

IBM Z OMEGAMON Monitor for z/OS
5.6

Troubleshooting Guide



Note

Before using this information and the product it supports, read the information in [“Notices” on page 301.](#)

Edition notice

This edition applies to Version 5 Release 6 of IBM Z OMEGAMON Monitor for z/OS for z/OS and to all subsequent releases and modifications until otherwise indicated in new editions.

© **Copyright International Business Machines Corporation 2021.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Figures

1. SDSF Print to Data Set panel.....	23
--------------------------------------	----

Tables

- 1. Locations of log and trace information for z/OS components..... 5
- 2. Log locations for distributed components..... 6
- 3. Trace members listed by sysplex-level workspace..... 16
- 4. Trace members listed by system-level workspace..... 18
- 5. Requirements for data..... 29
- 6. MFS background collection interval values (in seconds)..... 37
- 7. Identifiers for messages in this guide..... 43

Contents

Figures.....	iii
Tables.....	v
Chapter 1. Troubleshooting.....	1
Introduction to troubleshooting.....	1
Troubleshooting checklist.....	1
Troubleshooting a problem.....	2
Tools for troubleshooting.....	4
Finding information about known problems.....	4
Collecting diagnostic data.....	5
Analyzing data.....	9
Submitting problems to IBM Software Support.....	9
Setting up traces on a z/OS system.....	9
Communications tracing.....	10
RAS1 tracing for IBM Z OMEGAMON Monitor for z/OS.....	10
SYSPRINT tracing for the OMEGAMON Subsystem.....	22
Capturing z/OS logs to send to IBM Software Support.....	23
Understanding and using trace logs.....	26
Common problems and solutions.....	27
Preventing installation problems on Linux and UNIX systems.....	27
No data in z/OS Sysplex Enterprise Overview workspace.....	28
Selection list is empty when installing IBM Z OMEGAMON Monitor for z/OS application support on Windows.....	28
Unexpected interface behaviors in a mixed version environment.....	28
Data is missing for some attributes or workspaces.....	29
Data is missing from Sysplex workspaces.....	31
Data is missing from all workspaces.....	32
Information in a workspace is inconsistent or a table in a workspace has no rows.....	33
Coupling facility, cross-coupling facility, or system lock information is missing.....	33
Some UNIX System Services processes are missing from the UNIX workspaces.....	34
Take Action commands show return code 0 but are unsuccessful.....	34
UNIX Take Action commands are unsuccessful.....	34
z/OS Take Action commands fail	34
No IBM Z OMEGAMON Monitor for z/OS predefined situations are listed in the Situation Editor.....	35
Cross-product links do not function: message KFWITM081E.....	35
Cross-product links are missing from the link list.....	36
DASD MVS Devices workspace takes a long time to refresh and uses high CPU.....	36
Monitoring of UNIX System Services mounted file system affects AutoMount and UnMount.....	36
UNIX System Services mounted file systems data is not updated when refreshed.....	37
Portal server, monitoring server hang when UNIX System Services Overview workspace is selected.....	37
Troubleshooting the zAware appliance.....	38
Monitoring server prolonged startup and potential shutdown.....	39
Troubleshooting no data conditions on the OMEGAMON enhanced 3270 user interface.....	40
OMVS segment errors found in system log on z/OS v2.1 systems.....	40
Self-describing agent error messages.....	40
Collecting data for problem determination and save time resolving Problem Management Records (PMRs).....	42

Chapter 2. Messages.....	43
C Messages.....	44
D messages.....	77
E messages.....	87
I Messages.....	174
K and L Messages.....	184
OM Messages.....	247
VEB Messages.....	294
Support information.....	299
Notices.....	301
Trademarks.....	302
Privacy policy considerations	302
Index.....	303

Chapter 1. Troubleshooting

The first part of this guide describes the troubleshooting process and the tools available to help you collect and analyze diagnostic data for problems you encounter with IBM Z OMEGAMON Monitor for z/OS. Part 1 also provides instructions for setting up trace logging and locating the logs and describes problems commonly encountered with configuration and usage of the monitoring agent.

[“Introduction to troubleshooting” on page 1](#) describes the process of troubleshooting and addresses the issue of determining the source of a problem in a complex environment. In addition, this chapter describes tools available to assist in finding, collecting, and analyzing diagnostic information and provides the location of the z/OS® logs.

[“Setting up traces on a z/OS system” on page 9](#) describes how to set up tracing and how to capture logs to send IBM® Software Support. It also provides information to help you understand and use the trace logs.

[“Common problems and solutions” on page 27](#) describes problems that often arise while configuring or using IBM Z OMEGAMON Monitor for z/OS.

Part 2 of this guide documents the messages issued by the IBM Z OMEGAMON Monitor for z/OS product and the common components it uses.

Introduction to troubleshooting

In a complex environment such as the one in which IBM Z OMEGAMON Monitor for z/OS operates, identifying the source and cause of problems can be difficult.

A problem that you experience with IBM Z OMEGAMON Monitor for z/OS data in the Tivoli Enterprise Portal might ultimately be traced to a component such as a Tivoli Enterprise Monitoring Server or Tivoli Enterprise Portal Server, rather than to the monitoring agent.

The *IBM Tivoli Monitoring: Troubleshooting Guide* provides extensive information about resolving problems you might experience with Tivoli Management Services components and describes in detail the tools available to help you collect and analyze diagnostic data. This guide, in contrast, focuses on collecting and analyzing data specific to the IBM Z OMEGAMON Monitor for z/OS monitoring agent.

This chapter introduces a systematic approach to troubleshooting that can help you determine which problems are caused by those common components and which are associated with the monitoring agent. It also provides an overview of the tools available for collecting and analyzing diagnostic data and for documenting problems and reporting them to IBM Software Support.

Troubleshooting is not the same as problem solving, although during the process of troubleshooting, you can often obtain enough information to solve a problem. Sometimes, however, you might encounter a problem that you cannot solve by yourself, even after determining its cause. If you are unable to solve a problem on your own, you can contact IBM Software Support for a solution.

- [“Troubleshooting checklist” on page 1](#)
- [“Troubleshooting a problem” on page 2](#)
- [“Tools for troubleshooting” on page 4](#)
- [“Finding information about known problems” on page 4](#)
- [“Collecting diagnostic data” on page 5](#)
- [“Analyzing data” on page 9](#)

Troubleshooting checklist

Use this checklist to identify and eliminate any known problems:

1. Ensure that all applicable PTFs and fix packs have been applied to the monitoring agents, common z/OS components (like OMEGAMON Subsystem), and shared Tivoli Management Services components (such as Tivoli Enterprise Monitoring Server, Tivoli Enterprise Portal, and TMS:Engine):
 - Check the IBM Z OMEGAMON Monitor for z/OS and Tivoli Management Services on z/OS program directories for required PTFs and Fix Packs.
 - Check the PSP bucket for new information.
 - Check the README file and TechNotes for known problems or workarounds.
 - Consult IBM Support Assistant.
2. Check the *IBM Tivoli Monitoring: Troubleshooting Guide* for known problems.
3. Check [“Common problems and solutions” on page 27](#) for known IBM Z OMEGAMON Monitor for z/OS problems.

After you have eliminated any known problem as the source, set up tracing for affected components (see [“Setting up traces on a z/OS system” on page 9](#)) and use the tools available with IBM Support Assistant to correlate and analyze the logs (see [“Tools for troubleshooting” on page 4](#)).

For detailed suggestions on finding the source of problems, see [“Troubleshooting a problem” on page 2](#).

Troubleshooting a problem

Troubleshooting is a systematic approach to solving a problem. The goal of troubleshooting is to determine why something does not work as expected and explain how to resolve the problem.

The first step in the troubleshooting process is to describe the problem completely. Problem descriptions help you and the IBM Software Support person know where to start to find the cause of the problem. This step includes asking yourself basic questions:

- What are the symptoms of the problem?
- Where does the problem occur?
- When does the problem occur?
- Under which conditions does the problem occur?
- Can the problem be reproduced?

The answers to these questions typically lead to a good description of the problem, and that is the best way to start down the path of problem resolution.

What are the symptoms of the problem?

When starting to describe a problem, the most obvious question is "What is the problem?" This might seem like a straightforward question; however, you can break it down into several more-focused questions that create a more descriptive picture of the problem.

These questions can include:

- Who, or what, is reporting the problem?
- What are the error codes and messages?
- How does the system fail? For example, is it a loop, hang, crash, performance degradation, or incorrect result?
- What is the business impact of the problem?

Where does the problem occur?

Determining where the problem originates is not always easy, but it is one of the most important steps in resolving a problem. Many layers of technology can exist between the reporting and failing components.

Tivoli Management Services components, networks, disks, and drivers are only a few of the components to consider when you are investigating problems.

The following questions help you to focus on where the problem occurs to isolate the problem layer:

- Is the problem specific to one platform or operating system, or is it common across multiple platforms or operating systems?
- Is the current environment and configuration supported?

Remember that if one layer or component reports the problem, the problem does not necessarily originate in that layer or component. Part of identifying where a problem originates is understanding the environment in which it exists. Take some time to completely describe the problem environment, including the operating system and version, all corresponding software and versions, and hardware information. Confirm that you are running within an environment that is a supported configuration; many problems can be traced back to incompatible levels of software that are not intended to run together or have not been fully tested together.

When does the problem occur?

Develop a detailed timeline of events leading up to a failure, especially for those cases that are one-time occurrences. You can most easily do this by working backward: start at the time an error was reported (as precisely as possible, even down to the millisecond), and work backward through the available logs and information. Typically, you need to look only as far as the first suspicious event that you find in a diagnostic log; however, this is not always easy to do and takes practice. Knowing when to stop looking is especially difficult when multiple layers of technology are involved, and when each has its own diagnostic information.

To develop a detailed timeline of events, answer these questions:

- Does the problem happen only at a certain time of day or night?
- How often does the problem happen?
- What sequence of events leads up to the time that the problem is reported?
- Does the problem happen after an environment change, such as upgrading or installing software or hardware?

Responding to questions like this helps to provide you with a frame of reference in which to investigate the problem.

Under what conditions does the problem occur?

Knowing which systems and applications are running at the time that a problem occurs is an important part of troubleshooting.

These questions about your environment can help you to identify the root cause of the problem:

- Does the problem always occur when the same task is being performed?
- Does a certain sequence of events need to occur for the problem to surface?
- Do any other applications fail at the same time?

Answering these types of questions can help you explain the environment in which the problem occurs and correlate any dependencies. Remember that just because multiple problems might have occurred around the same time, the problems are not necessarily related.

Can the problem be reproduced?

From a troubleshooting standpoint, the ideal problem is one that can be reproduced. Typically, problems that can be reproduced have a larger set of tools or procedures at your disposal to help you investigate. Consequently, problems that you can reproduce are often easier to debug and solve. However, problems that you can reproduce can have a disadvantage: if the problem is of significant business impact, you do not want it to recur. If possible, re-create the problem in a test or development environment, which typically offers you more flexibility and control during your investigation.

Ask the following questions:

- Can the problem be recreated on a test system?
- Are multiple users or applications encountering the same type of problem?
- Can the problem be recreated by running a single command, a set of commands, or a particular application, or a stand-alone application?

Tools for troubleshooting

IBM Tivoli Monitoring provides a number of tools to help you troubleshoot problems with Tivoli Management Services components and monitoring agents. This guide contains information about one of these tools: the problem determination collector (pdcollect) tool. The *IBM Tivoli Monitoring: Troubleshooting Guide* describes other tools in detail and gives information on how to obtain them.

Problem determination collector tool

The problem determination collector (pdcollect) tool is used to gather log files, configuration information, version information, and other information. Technicians in IBM Software Support use this information to investigate a problem. You can also use the tool to manage the size of trace data repositories.

On z/OS, the pdcollect tool is called KMSPDCOL. KMSPDCOL is located in &thilev.TKANSAM and copied into &rhilev.RKANSAM of each runtime environment. To use the pdcollect tool on z/OS, run the following command from TSO:

```
EX '&rhilev.&rte.RKANSAM(KMSPDCOL)' 'JOBNAME(stc) JOBNO(nnnnn)'
```

where *stc* is the IBM Tivoli® Monitoring or OMEGAMON started task name and *nnnnn* is the Tivoli Monitoring or OMEGAMON started task number.

There are other parameters available: the SYS, RHILEV, RVHILEV, and BASEHLEV values can be obtained from the output of the job. These parameters are not needed unless you would like to override them. JOBNAME and JOBNO can be used instead of JOBOUT. JOBOUT can be used to if the output of the started task has been copied to a data set. The HELP parameter can be used to obtain instructions on using KMSPDCOL. Using JOBNAME and JOBNO is mutually exclusive with the JOBOUT parameter.

Following are the parameters for KMSPDCOL:

```
JOBNAME() JOBNO() JOBOUT() SYS(*) RHILEV(*) + BASEHLEV(*) HELP DEBUG
```

After execution of KMSPDCOL, a &userid.PDCOLLECT.DAT file is created, where &userid is the TSO user ID that executed KMSPDCOL. &userid.PDCOLLECT.DAT is a binary file that collects the output of *stc* and *job number* along with the contents of &rhilev.&rte, the output of the NETSAT command and a MANIFEST data set which contains a summary of everything that was collected.

For distributed components and products, the pdcollect tool is run using the tacmd pdcollect command. To use this tool, you must install the User Interface Extension. If you install or upgrade the Tivoli Enterprise Portal Server, the Tivoli Enterprise Services User Interface Extensions software is automatically installed in the same directory. The portal server extensions are required for some products that use the Tivoli Enterprise Portal, such as IBM Tivoli Composite Application Manager products. For more information about this command, see the *IBM Tivoli Monitoring Command Reference*.

After you collect the problem determination information with pdcollect, upload the information to IBM using the steps provided in Exchanging information with IBM Technical Support: <http://www-306.ibm.com/software/support/exchangeinfo.html>

Finding information about known problems

The *IBM Tivoli Monitoring: Troubleshooting Guide* contains a great deal of information about problems and solutions for Tivoli Management Services components on both distributed and z/OS platforms. This guide contains information on problems commonly encountered with IBM Z OMEGAMON Monitor for z/OS.

In addition, you can visit the IBM Z OMEGAMON Monitor for z/OS page on the IBM support portal to see the latest flashes and alerts.

Collecting diagnostic data

The primary resource for diagnostic data is logs. Logs are records of text messages and trace data generated by the software and written to an output destination, such as a console screen or a file. Typically, an Z OMEGAMON Monitor for z/OS monitoring agent does not display messages at the Tivoli Enterprise Portal. Instead, messages are sent to more typical z/OS output locations, such as SYSOUT data sets or spool files or, more rarely, to the z/OS system console. Logging is enabled on all monitoring agents by default.

Tracing is the recording of the processing of a computer program or transaction. Trace logs capture information about the operating environment to help you diagnose problems when component software fails to operate as intended. The principal log type for Tivoli Management Services and monitoring agents that share those services is the reliability, availability, and serviceability (RAS1) trace log. When the Tivoli Management Services z/OS components are initialized, RAS1 service initialization is one of the first processes started. The RAS1 trace log mechanism is available on the Tivoli Enterprise Monitoring Server, the Tivoli Enterprise Portal Server, and the monitoring agents. Most logs are located in a logs subdirectory on the host computer. RAS logs are in the English language only.

By default, an Z OMEGAMON Monitor for z/OS monitoring agent has minimal tracing enabled. The RAS1=ERROR setting means that only error messages are captured. When you report a problem, support might ask you to enable a more in-depth and detailed form of tracing, such as one of those discussed under [“Syntax for RAS1 traces” on page 11](#). IBM Software Support uses the information captured by trace logging to trace a problem to its source or to determine why an error occurred. The default configuration for trace logging, such as the level of trace logging, depends on the source of the trace logging. Trace logging is always enabled.

Note: There is CPU and I/O overhead associated with detailed RAS1 tracing that might degrade performance of the monitoring agent. Restore RAS1 tracing to the minimal KBB_RAS1=ERROR after problem diagnosis is completed.

Log files and trace information are provided in a common fashion across all monitoring agents on z/OS and the z/OS components of the Tivoli Management Services. [Table 1 on page 5](#) explains the location of log and trace files for the monitoring agent and the Tivoli Management Services components on z/OS.

Table 1. Locations of log and trace information for z/OS components	
Component	Component description and location
Z OMEGAMON Monitor for z/OS monitoring agent	<p>The RKLVLLOG for the monitoring agent started task is the single most helpful piece of service information for an Z OMEGAMON Monitor for z/OS monitoring agent. The RKLVL (R = runtime, KLV = the prefix associated with IBM Tivoli Monitoring Services:Engine or TMS:Engine) is the sysout data set or spool file that contains log and trace messages. Instructions on how to save the contents of this log to a dataset are provided under “Capturing z/OS logs to send to IBM Software Support” on page 23.</p> <p>These additional zSeries log files (if available) are also useful:</p> <ul style="list-style-type: none">• The RKLVSnap sysout data set or spool file contains formatted dump output.• The RKLVDLOG sysout data set or spool file contains the information and error messages related to the handling of the persistent datastore.• Some agents have other files defined to collect log and trace messages. <p>Refer to your started procedures for the locations of these serviceability log files.</p>
Tivoli Enterprise Monitoring Server on z/OS	<p>Because the monitoring server on z/OS runs under TMS:Engine just as an Z OMEGAMON Monitor for z/OS monitoring agent does, all logging under TMS:Engine is handled the same way, that is log and trace data are written to RKLVLLOGs and RKLVDLOGs.</p>

Table 1. Locations of log and trace information for z/OS components (continued)	
Component	Component description and location
IBM Tivoli Management Services:Engine (TMS:Engine)	<p>TMS:Engine is a collection of basic operating system and communication service routines built specifically for z/OS. All address spaces used by Z OMEGAMON Monitor for z/OS monitoring agent load and use the services of TMS:Engine.</p> <p>Successful initialization of TMS:Engine is noted by this message:</p> <pre>KLVIN408 IBM OMEGAMON PLATFORM ENGINE VERSION 400 READY</pre> <p>For troubleshooting information about TMS:Engine problems, refer to the z/OS initialization section of <i>IBM Tivoli Monitoring: Troubleshooting Guide</i>. Explanations for messages generated by TMS:Engine can be found in <i>IBM Tivoli Monitoring: Messages</i>.</p> <p>TMS:Engine writes messages to the same RKLVLLOG file as the product it is running. If you search the RKLVLLOG file for an Z OMEGAMON Monitor for z/OS monitoring agent, product-specific messages start with the product code (for example, KM5 or KM2 for IBM Z OMEGAMON Monitor for z/OS) but messages for the TMS:Engine start with that component prefix, KLV.</p>
OMEGAMON Subsystem	A z/OS subsystem, running in its own address space, that enables monitoring dynamic device activity and the coupling facility. In addition, one OMEGAMON Subsystem per sysplex will cache data from RMF Distributed Data Server. The OMEGAMON Subsystem does not allocate an RKLVLLOG. This component issues messages directly to the z/OS system console (or SYSLOG) or to the SYSPRINT job log.
Persistent datastore	The RKPDLLOG SYSOUT data set or spool file contains the information and error messages related to the handling of the persistent datastore. To dump this log, follow the procedures described for RKLVLLOG in the sections that follow.

See [“Setting up traces on a z/OS system”](#) on page 9 for detailed instructions on using traces.

You may also want to look at or submit logs for distributed components (see [Table 2 on page 6](#)).

Table 2. Log locations for distributed components		
Component	Windows	UNIX and Linux® systems
Tivoli Enterprise Portal browser client	<pre>C:\Documents and Settings\userid\ Application Data\IBM\Java\Deployment\ log\plugin150.trace</pre> <p>where <i>userid</i> is the user ID under which the browser was started.</p> <p>The plugin150.trace file contains the RAS1 tracing for the Tivoli Enterprise Portal browser client and any Java™ exceptions.</p>	<pre>userid/.java/deployment/log/plugin150.trace</pre> <p>where <i>userid</i> is the user ID under which the browser was started.</p> <p>The plugin150.trace file contains the RAS1 tracing for the Tivoli Enterprise Portal browser client and any Java exceptions.</p>

Table 2. Log locations for distributed components (continued)		
Component	Windows	UNIX and Linux® systems
Tivoli Enterprise Portal desktop client	<p><code>install_dir\CNP\logs\kcjras1.log</code></p> <p>where <i>install_dir</i> is the directory where the client was installed.</p> <p>Every time the Tivoli Enterprise Portal starts, it purges the <code>kcjras1.log</code>. If you want to preserve this log file, you must rename it or copy it to another directory before restarting the Tivoli Enterprise Portal.</p>	<p><code>install_dir/logs/kcjras1.log</code></p> <p>where <i>install_dir</i> is the directory where the client was installed.</p> <p>Every time the Tivoli Enterprise Portal starts, it purges the <code>kcjras1.log</code>. If you want to preserve this log file, you must rename it or copy it to another directory before restarting the Tivoli Enterprise Portal.</p>
Desktop client launched through Java Web Start ¹	<p><code>C:\Documents and Settings\userid\Application Data\IBM\Java\Deployment\log\javawsnnnnn.trace</code></p> <p>where <i>userid</i> is the user ID under which the client was started, and <i>nnnnn</i> is a unique, randomly generated numeric suffix to support generational logs (that is, the last generated log will not be overlaid by the most current execution of Tivoli Enterprise Portal using Java Web Start).</p>	<p><code>userid/.java/deployment/log/javawsnnnnn.trace</code></p> <p>where <i>userid</i> is the user ID under which the client was started, and <i>nnnnn</i> is a unique, randomly generated numeric suffix to support generational logs (that is, the last generated log will not be overlaid by the most current execution of Tivoli Enterprise Portal using Java Web Start).</p>
Tivoli Enterprise Portal Server	<p><code>install_dir\logs\hostname_cq_timestamp-nn.log</code></p> <p>where:</p> <p>install_dir Specifies the directory where Tivoli Enterprise Portal Server was installed.</p> <p>hostname Specifies the name of the system hosting the product.</p> <p>cq Specifies the product code, <i>cq</i> for the Tivoli Enterprise Portal Server.</p> <p>timestamp A hexadecimal representation of the time at which the process was started.</p> <p>nn Represents the circular sequence in which logs are rotated. Ranges from 1-5, by default, though the first is always retained, since it includes configuration parameters.</p>	<p><code>install_dir/logs/hostname_cq_timestamp-nn.log</code></p> <p>where:</p> <p>install_dir Specifies the directory where Tivoli Enterprise Portal Server was installed.</p> <p>hostname Specifies the name of the system hosting the product.</p> <p>cq Specifies the product code, <i>cq</i> for the Tivoli Enterprise Portal Server.</p> <p>timestamp A hexadecimal representation of the time at which the process was started.</p> <p>nn Represents the circular sequence in which logs are rotated. Ranges from 1-5, by default, though the first is always retained, since it includes configuration parameters.</p>

Table 2. Log locations for distributed components (continued)		
Component	Windows	UNIX and Linux® systems
Tivoli Enterprise Monitoring Server	<div><code>install_dir\logs\hostname_cms_timestamp-nn.log</code></div> <p>where:</p> <p>install_dir Specifies the directory where Tivoli Enterprise Monitoring Server was installed.</p> <p>timestamp A hexadecimal representation of the time at which the process was started.</p> <p>nn Represents the circular sequence in which logs are rotated. Ranges from 1-5, by default, though the first is always retained, since it includes configuration parameters.</p>	<div><code>install_dir/logs/hostname_cms_timestamp-nn.log</code></div> <p>where:</p> <p>install_dir Specifies the directory where Tivoli Enterprise Portal Server was installed.</p> <p>hostname Specifies the name of the system hosting the product.</p> <p>timestamp A hexadecimal representation of the time at which the process was started.</p> <p>nn Represents the circular sequence in which logs are rotated. Ranges from 1-5, by default, though the first is always retained, since it includes configuration parameters.</p>
Tivoli Enterprise Monitoring Server operations logs	<p>IBM Tivoli Monitoring operations logging replaces MSG2 logging. The new optional logs replace the Tivoli Enterprise Monitoring Server log files <code>install_dir\cms\kdsmain.msg</code> on Windows systems and <code>install_dir/logs/hostname_ms_timestamp.log</code> on UNIX-based systems.</p> <p>To use the new logging facility for the Tivoli Enterprise Monitoring Server, modify the <code>install_dir\cms\KBBENV</code> file on Windows systems or the <code>install_dir/config/hostname_ms_temsid.config</code> file and <code>install_dir/config/kbbenv.ini</code> file on UNIX-based systems. Add the following line to the file:</p> <div><code>MSG_MODE=kms</code></div> <p>To disable the new logging facility and return to original logging, either remove this line in the file or change it to:</p> <div><code>MSG_MODE=MSG2</code></div> <p>For more information, refer to the <i>IBM Tivoli Monitoring: Troubleshooting Guide</i>.</p>	
<p>Note: In order for a normal RAS1 trace file to be generated for a Web Start client, you need to ensure that the "Enable tracing" option is set using the IBM Java Control Panel (Advanced tab).</p>		

Note: Additional information about logs for distributed components is found in the *IBM Tivoli Monitoring: Troubleshooting Guide*.

The **pdcollect** tool allows you to collect the most commonly-used information from a system to troubleshoot on your own or to allow for IBM service to investigate a problem. It gathers log files, configuration information, version information, and the like. This tool also provides the ability to manage the size of trace data repositories. This tool is available for Windows, UNIX, Linux, and z/OS systems. It is located in the *ITM_Install/bin* directory on Windows, UNIX, and Linux systems. It is supplied as the KMSPDCOL member of the RKANSAM dataset on z/OS systems. It is also included in IBM Support Assistant, available at www.ibm.com/software/support/isa/. For more information on using **pdcollect**, see the *IBM Tivoli Monitoring: Troubleshooting Guide*.

Analyzing data

This guide contains explanations of the messages issued by IBM Z OMEGAMON Monitor for z/OS and the components it shares with other OMEGAMON monitoring agents on z/OS and provides suggested responses. You can use this documentation to help analyze the logs that you collect.

Submitting problems to IBM Software Support

If you have a problem that you are unable to solve by referring to this guide and to the *IBM Tivoli Monitoring: Troubleshooting Guide*, gather the following information about the problem and contact IBM Software Support for further assistance. The IBM Support Assistant can help you gather and submit the required information about the problem.

Be prepared to supply the following items:

- Monitored application file.
- Appropriate RAS1 trace output.
- Description of the operation scenario that led to the problem.
- Incorrect output, such as Tivoli Enterprise Portal screen prints or a description of what you observed, if applicable.
- Log files from failing systems. You can collect all logs or logs of a certain type, such as RAS trace logs or message logs.
- Application information, such as version number and patch level.
- Operating system version number and patch level.
- Messages and other information displayed on the screen.
- Version number of the following components of the monitoring environment:
 - Tivoli Enterprise Portal client
 - Tivoli Enterprise Portal Server and Tivoli Enterprise Monitoring Server on distributed systems. Also provide the IBM Tivoli Monitoring patch level, if available.
 - Tivoli Enterprise Monitoring Server on z/OS
 - Monitoring agent

Setting up traces on a z/OS system

Trace logs capture information about the operating environment to help you diagnose problems when components fail to operate as intended. The principal log types are the reliability, availability, and serviceability (RAS1) trace log and the SYSPRINT job log. When the monitoring agents and Tivoli Management Services components are initialized, RAS1 is one of the first processes started. You can set up RAS tracing for the monitoring agents, Tivoli Enterprise Monitoring Server, and Tivoli Enterprise Portal Server. When the OMEGAMON Subsystem is started, the SYSPRINT job log is opened for writing. RAS and SYSPRINT logs are in the English language only.

Trace logging is always enabled, but the default configuration for trace logging, such as the level of trace logging, depends on the source of the trace. For the monitoring agents on z/OS, the default level is KBB_RAS1=ERROR, which means that only error messages are captured. This is the setting for minimal tracing. Similarly, the default level of tracing for the OMEGAMON Subsystem is to write only error messages to SYSPRINT. When you report a problem, IBM Software Support might ask you to enable a more in-depth and detailed form of tracing, such as one of those discussed under [“Syntax for RAS1 traces”](#) on page 11.

Tip

Overhead (CPU and I/O) associated with detailed RAS1 tracing might degrade performance of the monitoring agent. Restore RAS1 tracing for the monitoring agent to the default level KBB_RAS1=ERROR after you complete problem diagnosis.

You can also use communications traces during TCP/IP initialization to help diagnose problems in connections between the monitoring agent and the monitoring server.

The topics in this chapter provide instructions for setting up traces on z/OS for your own use and to forward to IBM Software Support.

- [“Communications tracing” on page 10](#)
- [“RAS1 tracing for IBM Z OMEGAMON Monitor for z/OS” on page 10](#)
- [“SYSPRINT tracing for the OMEGAMON Subsystem” on page 22](#)
- [“Capturing z/OS logs to send to IBM Software Support” on page 23](#)
- [“Understanding and using trace logs” on page 26](#)

Communications tracing

Communications tracing during TCP/IP initialization is controlled by the KDC_DEBUG environment variable. To obtain the level of tracing required for the TCP/IP initialization messages to be recorded in the RAS1 log, add the string KDC_DEBUG=Y to *&rhilev.&rte.RKANPARU(KDSENV)*. (Because IBM Z OMEGAMON Monitor for z/OS runs in the Tivoli Enterprise Monitoring Server address space, its parameters are stored in the monitoring server ENV file.) You can also set the KDC_DEBUG variable dynamically using the Service Console **bss1** command

Possible values for KDC_DEBUG are:

Y

The data flow between the monitoring agent and the monitoring server during TCP/IP initialization is recorded, including data packages sent and received. When **KDC_DEBUG=Y** is active in the environment during initialization of TCP/IP services for this address space, you can confirm successful initialization of TCP/IP by looking for one of the following messages in RKLVLLOG:

```
"KDE1I_OpenTransportProvider") Transport opened: socket/ip.tcp  
"KDE1I_OpenTransportProvider") Transport opened: socket/ip.pipe  
"KDE1I_OpenTransportProvider") Transport opened: socket/ip.udp
```

N

The data flow between the monitoring agent and the monitoring server during TCP/IP initialization is not recorded. This is the default and the recommended setting for normal operation.

D

Full packet tracing plus STATE and FLOW tracing.

M

D plus INPUT and OUTPUT Help tracing

RAS1 tracing for IBM Z OMEGAMON Monitor for z/OS

RAS1 tracing is the primary diagnostic tool for product components. RAS1 tracing is provided by the KBB library service and is set either in the IBM Tivoli Monitoring Service Console interface or by a more direct method of modifying the KBB_RAS1 parameter in *&rhilev.&rte.RKANPARU(KDSENV)*. RAS1 messages are sent to STDOUT and redirected to the files shown in [Table 1 on page 5](#).

If you modify the KBB_RAS1 parameter by using the Configuration Tool or by directly editing the KDSENV file, you must stop and restart the monitoring server. To change the trace settings without having to recycle the monitoring server, use the Service Console interface **ras1** command.

RAS1 trace log files can grow very large depending on what you are tracing. Monitor the RAS1 trace log files so as not to fill up the JES spool.

Setting trace levels by editing RKANPARU(KDSENV)

One of the simplest ways to set trace levels for a Z OMEGAMON Monitor for z/OS monitoring agent is to edit the *&rhilev.&rte.RKANPARU(KDSENV)* member.

The text in bold is an example of what an IBM service representative might ask you to add to this member.

After you add the command, you must stop and restart the address space for the command to take effect. After that, the setting remains in effect for the life of the address space. To end the trace, you must edit the KDSENV file again to reset the trace level, and stop and restart the address space.

This syntax is used to specify a RAS1 trace in the `&rhilev.&rte.RKANPARU(KDSENV)` file. An IBM Software Support representative can tell you the values to set for the RAS1 trace parameters.

➤ KBB_RAS1= — *global_class* ————— (COMP: — *component_type*) —————
 ————— (ENTRY: — *entry_point*) ————— (UNIT: — *unit_name, class*) ————— ➤

Indicates the level of tracing that you want. This is a global setting that applies to all RAS1 filters in the process. If you set this global class by itself, it is global in scope and the trace cannot filter on any of the other keywords. Separate combined classes with a space. The following values are possible. Valid abbreviations are in parentheses.

- Indicates that the trace includes a component type. The COMP keyword is used to trace groups of routines related by function (or component). Use this keyword only at the explicit request of an IBM Software Support representative.

Identifies a component type. An IBM Software Support representative can tell you what value to specify.

ENTRY

Narrows a filtering routine to specify a specific ENTRY POINT. Since multiple entry points for a single routine are rare, use this keyword only at the explicit request of an IBM Software Support representative.

entry_point

Represents the name of the entry point. An IBM Software Support representative can tell you what value to specify.

UNIT

Indicates that the trace is to look for a match between the compilation unit dispatched and the fully or partially qualified compilation unit specified on the RAS1 statement. A match results in a trace entry.

unit_name

Represents the name of the compilation unit. In most instances, this name defines the component that is being traced. The value is likely to be the three-character component identifier for the monitoring agent (**KM5** for IBM Z OMEGAMON Monitor for z/OS).

class

One of the same values specified for *global_class*, but, because of its position inside the parentheses, narrowed in scope to apply only to the *unit_name* specified.

Note: The default setting for monitoring agents on z/OS is KBB_RAS1=ERROR, meaning that only error tracing is enabled. You can specify any combination of UNIT, COMP, and ENTRY keywords. No keyword is required. However, the RAS1 value you set with the global class applies to all components.

Example: tracing monitoring agent requests to and answers from the monitoring server

To show monitoring agent requests to and answers from the monitoring server, specify this trace:

```
KBB_RAS1=ERROR (UNIT:KRA ST ERR)
```

The unit values ST and ERR indicate collection of state and error information for a monitoring agent infrastructure component, KRA.

Note: Use this type of trace only for debugging a specific problem, because the settings greatly increase the number of messages generated by the monitoring agent. With this type of trace, messages include a detailed dump of all rows of data that pass filtering: attribute names and values, request names, table names, and collection intervals. Be sure to disable this resource-intensive form of tracing immediately after you complete the trace.

Setting trace levels using PARMGEN

There are several PARMGEN parameters that control RAS1 tracing. By editing these parameters in PARMGEN, your settings will be retained when you reconfigure the product..

Under “Customize PARMGEN configuration profiles”, select option 1, “RTE LPAR-specific CONFIG profile in WCONFIG (User copy)”. Modify the following parameters as needed:

KDS_TEMS_KGL_WTO

Set this parameter to **Y** if you want a SYSLOG message on the console to indicate when the monitoring server finishes initializing. The default is **Y**.

KDS_TEMS_KDC_DEBUG

Set this parameter to **Y** if you want KDC_DEBUG=Y generated in the KDSENV member of RKANPARU. Otherwise, the default setting of KDC_DEBUG=N is used. This default of **N** instructs the data communications layer to report communications problems using a minimal, summary format. This parameter is intended for stable applications in production. Note that the default KDC_DEBUG=N generates standard RAS1 trace data in the monitoring server RKLVLLOG, in addition to the summary information diagnosing possible timeout conditions

The following settings report on data communications problems:

- KDC_DEBUG=N: minimal tracing (default)

- KDC_DEBUG=Y: full-packet tracing
- KDC_DEBUG=D: KDC_DEBUG=Y plus STATE & FLOW tracing
- KDC_DEBUG=M: KDC_DEBUG=D plus INPUT & OUTPUT HELP tracing
- KDC_DEBUG=A: KDC_DEBUG=M plus all format tracing

Do not set KDC_DEBUG=A unless directed by an IBM Software Support representative.

KDS_TEMS_STORAGE_DETAIL_LOG_FLAG

Set this parameter to **Y** if you want detailed logging of storage allocations. You can use the storage detail command output to analyze storage use in the monitoring server address space. To disable storage detail logging, set this parameter to **N**. You can also dynamically start storage detail logging by issuing a modify command to the monitoring server started task:

```
==> /F <started task name>,STORAGE D
```

Issuing the modify command activates storage detail logging without recycling the monitoring server.

If you set this parameter to Y, you must also define the times for storage detail logging and flushing the VSAM buffers.

- KDS_TEMS_STORAGE_DETAIL_INT_HR
KDS_TEMS_STORAGE_DETAIL_INT_MIN
Specify in hours and minutes how often you want storage allocation details to be logged.
- KDS_TEMS_FLUSH_LSR_BUFR_INT_HR
KDS_TEMS_FLUSH_LSR_BUFR_INT_MIN
Specify in hours and minutes how often you want to force all deferred VSAM writes to DASD.

For more information see *IBM Tivoli Management Services on z/OS: Configuring the Tivoli Enterprise Monitoring Server on z/OS*.

Setting trace levels dynamically from the IBM Tivoli Monitoring Service Console

You can use the IBM Tivoli Monitoring Service Console to set trace levels for monitoring agents on z/OS, as well as for aTivoli Enterprise Monitoring Server monitoring server on z/OS or for distributed components. Using the service console, you can read logs and turn on traces for remote product diagnostics and configuration. If you use the Service Console, you can change trace levels without recycling the monitoring server.

The Service Console is uniquely identified by its service point name. All Service Consoles for a host are linked and presented on the IBM Tivoli Monitoring Service Index for that host. You can perform operations on a specific component process by selecting the service console associated with the service point name of the component.

Note: Enabling tracing may cause large amounts of trace data and degrade performance, so only turn on tracing for the minimal amount of time as required to do problem determination.

Starting the Service Console

You start the Service Console from a browser window.

Use the following procedure to start the service console:

1. Start Internet Explorer (version 5 or higher) or Mozilla Firefox.
2. In the **Address** field, type the URL for the Tivoli Enterprise Portal browser client:

```
http://hostname:1920
```

where *hostname* specifies the system where the process (monitoring server, portal server, Warehouse Proxy Agent, Tivoli Data Warehouse, or monitoring agent) is installed and 1920 is the HTTP port number. If the service console is not displayed, a system administrator might have blocked access to

it. Refer to the *IBM Tivoli Monitoring: Troubleshooting Guide* for information about blocking access to the service console.

3. On the **IBM Tivoli Monitoring Service Console** window, select the desired component process (service point name).
4. Click **OK**.

You need a valid user ID and password to proceed.

The IBM Tivoli Monitoring Service Console performs user authentication using the native OS security facility. If you use the IBM Tivoli Monitoring Service Console on z/OS systems, your user ID and password are checked by the z/OS security facility (RACF/SAF). If you use the IBM Tivoli Monitoring Service Console on Windows systems, then you must pass the Windows workstation user ID and password prompt. This is the rule except for instances of a NULL or blank password. The IBM Tivoli Monitoring Service Console never accepts a NULL or BLANK password.

A password is always required to access the service console. Blank passwords, even if correct, cannot access the service console. Even if a user ID is allowed to login to the operating system without a password, access to the service console is denied. Create a password for the user ID that is being used to login to the service console.

You can issue service console commands in the command input area. For a list of available commands, type a question mark (?) and click **Submit**.

Service Console commands

The Service Console supports the **ras1** command, which is especially useful for dynamically enabling and disabling RAS1 traces. The documentation requests from IBM Software Support may conflict with your availability requirements. The **ras1** command can be used to alter KBB_RAS1 tracing parameters dynamically without the need to recycle the product. The Service Console also supports the **bss1** command, which is also useful for troubleshooting.

For example, you can issue the following **ras1** command from the Service Console to enable the kpx trace, :

```
ras1 set (UNIT:kpx ALL)
```

After you capture this trace, you can disable it with the following service console command:

```
ras1 set (UNIT:kpx ANY)
```

The **ras1** command is paired with one of the following subcommands:

log

Display RAS1 log capture buffer.

list

List the RAS1 filters in effect.

ctbld

Display the resident CTBLD data.

set *serviceunit*

Control traces and filters for *serviceunit*

units

Display the registered compilation units.

To see what tracing is already in effect, submit the following command:

```
ras1 list
```

Note:

1. The information inside the parentheses may be case-sensitive. Use the values provided by IBM Software Support.

2. The settings set by Service Console commands remain in effect for the current activation of the product. After the product is recycled, the original trace settings are restored.

The **bss1** command manages BSS1 (Basic System Services). The command is paired with one of the following subcommands:

listenv

Display the resident TMS:Engine variables.

getenv envvar

Display environment variable, where *envvar* is any variable that can be returned from **listenv**.

setenv envvar

Assign an environment variable where *envvar* is any variable that can be returned from **listenv**

info

Display BSS1_Info() data

config debugenv

Modifies the settings of the TMS:Engine debug environment variables: RES1_DEBUG, KDH_DEBUG, KDC_DEBUG, and KDE_DEBUG. The possible values, from most to least tracing messages, are: M (Max), D (Detail), Y (Yes) and N (Nominal). For example, the following **config** command alters the setting of KDC_DEBUG:

```
BSS1 CONFIG KDC_DEBUG=Y
```

Redirecting output of RAS1 tracing

Nearly all diagnostic information for the z/OS components is delivered by the RAS1 component. This component is configured by the KBB_RAS1 environment variable in member KBBENV of RKANPARU. You can redirect the initialization member using the TMS:Engine INITLIST processing. INITLIST processing is always echoed to the RKLVLLOG with the KLVIN411 message.

This example shows a typical KBBENV override to a different member, KDSENV:

```
KLVIN410 INITLIST MEMBER KDSINIT BEING PROCESSED
KLVIN411 KLVINNAM=KDSINNAM
KLVIN411 KLVINTB=KDSINTB
KLVIN411 KLVINVLG=KDSINVLG
KLVIN411 KLVINNAF=KDSINNAF
KLVIN411 KLVINVPO=KDSINVPO
KLVIN411 KLVINSTG=KDSINSTG
KLVIN411 KLVINVAM=KDSINVAM
KLVIN411 KBBENV=KDSENV
```

In this example, configuration of KBB_RAS1 is recorded in member KDSENV of RKANPARU.

Dynamically altering RAS1 tracing for IBM Z OMEGAMON Monitor for z/OS

You can send commands to the monitoring server on z/OS to alter its RAS1 tracing dynamically while a process is running. You cannot issue these commands if RAS1 monitoring agent tracing is not enabled. Enable the RAS1 tracing first.

IBM Z OMEGAMON Monitor for z/OS includes *&rhilev.&rte*.RKANCMD members to turn tracing on/off for individual workspaces or views. There are two members for each command, one to turn tracing on, one to turn it off. In all cases, the “off” trace member name is the same as the “on” trace member name, except that it starts with “KM5F” instead of “KM5N”. This means that rather than entering multiple commands to get the desired trace information, you turn detailed tracing on and off simply by referencing the appropriate member name in a console command.

There is not a one-to-one correspondence between trace members and workspaces. In some cases, different workspaces use the same set of modules to generate data, so the set of commands to turn on and off the tracing for those modules might be the same for different workspaces.

To turn tracing for specific workspaces on and off, enter the following commands through a system console facility such as System Display and Search Facility (SDSF):

- To turn trace on:

```
/F stcname,KM5Nxxxx
```

- To turn trace off:

```
/F stcname,KM5Fxxxx
```

where *stcname* is the name of the started task for the Tivoli Enterprise Monitoring Server address space being traced, *KM5Nxxxx* is the name of the RKANCMD member that turns tracing on, and *KM5Fxxxx* is the name of the RKANCMD member that turns tracing off.

Issue the modify command,

```
"/F tems_name,FLUSH"
```

to flush data from the buffers to the trace output file after running the trace. Otherwise, the data may not appear for some time.



CAUTION: Remember to turn off tracing with the appropriate trace member. Failure to turn off tracing results in decreased performance, filling up of the trace output, and confusion if you need to start another trace.

If the trace output becomes rather large, it is more efficient to use the ISPF Edit command, **SE** instead of the default ISPF Browse command **S** to view the trace output.

If possible, stop situations from running while performing a trace. Situations can pop up at odd intervals, and they may cause their own trace entries to be generated and cause confusion in the trace output.

Some probes, such as RMF and coupling facility monitors generate a large volume of trace output. Others, such as DASD and Enclave monitors, are dependent on the number of objects that are being monitored and produce different volumes of trace output for different users.

Table 3 on page 16 lists the trace members that provide data for the sysplex-level workspaces.

Table 3. Trace members listed by sysplex-level workspace		
Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
Address Spaces Report for Report Class	KM5NASRC	KM5FASRC
Address Spaces Report for Service Class	KM5NASSC	KM5FASSC
Address Spaces Report for Service Class Period	KM5NASSC	KM5FASSC
Coupling Facility Policy Data for Sysplex	KM5NCPDS	KM5FCPDS
Coupling Facility Structures Data for Sysplex	KM5NCFS	KM5FCFS
Coupling Facility Systems Data for Sysplex	KM5NCFSD	KM5FCFSD
Cross-System Cryptographic Coprocessor Overview	KM5NCC	KM5FCC
Enterprise Enqueue and Reserve	KM5NEERR	KM5FEERR
Global Enqueue and Reserve	KM5NGE	KM5FGE
Global Enqueue Data for Sysplex (Global Enqueues view)	KM5NGE	KM5FGE
GRS Ring Systems Data for Sysplex	KM5NGRS	KM5FGRS
GRS Ring Systems Report	KM5NGRS	KM5FGRS

Table 3. Trace members listed by sysplex-level workspace (continued)

Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
Members Workspace for XCF Group	KM5NMXG	KM5FMXG
MVS™ Systems Workspace for CF Structure	KM5NMSCS	KM5FMSCS
Path Workspace for CF System	KM5NPCFS	KM5FPCFS
Periods Workspace for Service Class	KM5NPSC	KM5FPSC
Periods Workspace for Service Class System	KM5NSC	KM5FSC
Report Classes Data for Sysplex (Report Classes view)	KM5NRCDS	KM5FRCDS
Resource Groups Data for Sysplex (Resource Groups view)	KM5NRG	KM5FRG
Service Classes Data for Sysplex (Service Classes Report)	KM5NSC	KM5FSC
Service Classes Workspace for Resource Group	KM5NRG	KM5FRG
Service Definition Data for Sysplex (Service Definition Report)	KM5NSDDS	KM5FSDDS
Shared DASD Devices	KM5NSD	KM5FSD
Shared DASD Groups Data for Sysplex (Shared DASD Groups view)	KM5NSD	KM5FSD
Shared DASD Systems	KM5NSD	KM5FSD
Statistics for CF Cache Structure	KM5NCFS	KM5FCFS
Statistics for CF List or Lock Structure	KM5NCFS	KM5FCFS
Statistics Workspace for CF System	KM5NCFS	KM5FCFS
Subsystem Workflow Analysis for Service Class	KM5NWASC	KM5FWASC
Sysplex Enterprise Overview	KM5NSEO	KM5FSEO
Sysplex Level Overview	KM5NSLO	KM5FSLO
Systems Workspace for Service Class	KM5NSC	KM5FSC
Users Workspace for CF Structure	KM5NUCFS	KM5FUCFS
Workflow Analysis Enqueue Workspace for Service Class Period	KM5NWESC	KM5FWESC
Workflow Analysis Enqueue Workspace for Service Class Period System	KM5NWESC	KM5FWESC
Workflow Analysis Enqueue Workspace for Service Class Sysplex	KM5NWESC	KM5FWESC
Workflow Analysis Enqueue Workspace for Service Class System	KM5NWESC	KM5FWESC
Workflow Analysis I/O Workspace for Service Class	KM5NWAIO	KM5FWAIO
Workflow Analysis I/O Workspace for Service Class Period	KM5NWAIO	KM5FWAIO

Table 3. Trace members listed by sysplex-level workspace (continued)

Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
Workflow Analysis I/O Workspace for Service Class Period System	KM5NWAIO	KM5FWAIO
Workflow Analysis I/O Report for Service Class System	KM5NWAIO	KM5FWAIO
Workflow Analysis Workspace for Service Class	KM5NWASC	KM5FWASC
Workflow Analysis Workspace for Service Class Period	KM5NWASC	KM5FWASC
Workflow Analysis Workspace for Service Class Period System	KM5NWSCP	KM5FWSCP
Workflow Analysis Workspace for Service Class System	KM5NSC	KM5FSC
XCF Groups Data for Sysplex	KM5NXGR	KM5FGR
XCF Paths Data for Sysplex (XCF Paths view)	KM5NXDS	KM5FXDS
XCF Paths Workspace From System Device To	KM5NXPSD	KM5FXPSD
XCF System Statistics Data	KM5NXSSD	KM5FXSSD
XCF Systems Data for Sysplex (XCF Systems Report)	KM5NXDS	KM5FXDS

Table 4 on page 18 lists the trace members used to collect trace data for system-level workspaces.

Table 4. Trace members listed by system-level workspace

Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
Address Space Bottlenecks and Impact Analysis	KM5NABIA	KM5FABIA
Address Space Bottlenecks Detail	KM5NASB	KM5FASB
Address Space Bottlenecks in Service Class Period	KM5NASB	KM5FASB
Address Space Bottlenecks Summary	KM5NASB	KM5FASB
Address Space Common Storage - Active Users	KM5NACAU	KM5FACAU
Address Space Common Storage - Allocation Details	KM5NSCAD	KM5FACAD
Address Space Common Storage - Orphaned Elements	KM5NACOE	KM5FACOE
Address Space Common Storage - Trend Details	KM5NACTD	KM5FACTD
Address Space CPU Usage Class and Period	KM5NAS	KM5FAS
Address Space CPU Usage Details	KM5NAS	KM5FAS
Address Space CPU Usage Enclaves	KM5NAS	KM5FAS

Table 4. Trace members listed by system-level workspace (continued)

Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
Address Space CPU Utilization	KM5NAS	KM5FAS
Address Space Details for Job	KM5NACAD	KM5FACAD
Address Space Overview	KM5NASO	KM5FASO
Address Space Owning Selected Enclave	KM5NENC	KM5FENC
Address Space Storage	KM5NASS	KM5FASS
Address Space Storage – Subpools and LSQA	KM5NAK	KM5FAK
Address Space Storage - Subpools and LSQA: Monitored Address Spaces	KM5NAK	KM5FAK
Address Space Storage for Job	KM5NASS	KM5FASS
Agents using RMF Distributed Data Server	KM5NGPM1	KM5FGPM1
Agents using RMF Distributed Data Server	KM5NRMFS	KM5FRMFS
Channel Path Activity	KM5NCPA	KM5FCPA
Common Storage	KM5NCS	KM5FCS
Common Storage - Subpools	KM5NCK	KM5FCK
Cross-System Cryptographic Coprocessor Overview	KM5NCC	KM5FCC
Cryptographic Coprocessors (Cryptographic Services)	KM5NCC	KM5FCC
DASD MVS	KM5NDM	KM5FDM
DASD MVS Devices	KM5NDMD	KM5FDMD
Dubbed Address Spaces	KM5NUSSD	KM5FUSSD
Enclave Details	KM5NENC	KM5FENC
Enclave Information	KM5NENC	KM5FENC
Enclaves in Selected Service Class and Period	KM5NENC	KM5FENC
Enclaves Owned by Selected Address Space	KM5NENC	KM5FENC
Enqueue and Reserve Detail	KM5NERS	KM5FERS
Enqueue, Reserve, and Lock Summary	KM5NERS	KM5FERS
Historical Address Space storage delay details	KM5NSFAG	KM5FSFAG
Historical Details for all Address Spaces	KM5NAHAG	KM5FAHAG
Historical Job usage details for device	KM5NDJAG	KM5FDJAG
Historical delay details	KM5NDLAG	KM5FDLAG
Historical DASD device summary	KM5NDRAG	KM5FDRAG
Historical Details for an Address Space	KM5NSDAG	KM5FSDAG
Historical Details for a CPC	KM5NLDAG	KM5FLDAG

Table 4. Trace members listed by system-level workspace (continued)

Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
Historical Summary for a CPC	KM5NLHAG	KM5FLHAG
Historical Summary for a service class period	KM5NSHAG	KM5FSHAG
Historical System Delay Details	KM5NSQAG	KM5FSQAG
Historical System Memory objects and large pages	KM5NSOAG	KM5FSOAG
Inspect Address Space CPU Use	KM5NIACU	KM5FIACU
LPAR Clusters	KM5NLPC	KM5FLPC
LPARs Assigned to a Cluster	KM5NLPC	KM5FLPC
OMEGAMON for MVS - CSA Analyzer	KM5NXO	KM5FXO
OMEGAMON for MVS - Job Details	KM5NXO	KM5FXO
OMEGAMON for MVS - LPAR Processor Statistics	KM5NXO	KM5FXO
OMEGAMON for MVS - License Manager MSU and WLM Capping	KM5NXO	KM5FXO
Operator Alerts	KM5MOA	KM5FOA
Page Dataset Activity	KM5NPDA	KM5FPDA
Real Storage	KM5NRS	KM5FRS
Service Call Performance	KM5NSCP	KM5FSCP
Storage Shortage Alerts	KM5NSS	KM5FSS
Storage Shortage Alerts Details	KM5NSS	KM5FSS
Storage Shortage Alerts Trends	KM5NSS	KM5FSS
System CPU Utilization	KM5NSCU	KM5FSCU
System Paging Activity	KM5NSPA	KM5FSPA
Tape Drives	KM5NTD	KM5FTD
Top User Performance	KM5NTUP	KM5FTUP
UNIX BPXPRMxx Values	KM5NUSSB	KM5FUSSB
UNIX Files	KM5NUSSF	KM5FUSSF
UNIX Hierarchical File System ENQ Contention	KM5NUSSH	KM5FUSSH
UNIX Kernel	KM5NUSSK	KM5FUSSK
UNIX Logged On Users	KM5NUSSU	KM5FUSSU
UNIX Mounted File Systems	KM5NUSSM	KM5FUSSM
UNIX Processes	KM5NUSSP	KM5FUSSP
UNIX System Services Overview	KM5NUSSO	KM5FUSSO
UNIX Threads	KM5NUSST	KM5FUSST

Table 4. Trace members listed by system-level workspace (continued)

Workspace consuming data	RKANCMD trace member on	RKANCMD trace member off
User Response Time	KM5NURT	KM5FURT
WLM Service Class Information for Selected Address Space (Service Class Period Information)	KM5NWSCI	KM5FWSCI
WLM Service Class Resources (WLM Service Class Information for Selected Enclave)	KM5NWSCI	KM5FWSCI
zFS Overview	KM5NZFSO	KM5ZFSO
zFS User Cache	KM5NZFSO	KM5ZFSO
z/OS System Overview	KM5NERS	KM5FERS

An example of the trace output in RKLVLLOG from turning on the Resource Groups Data for Sysplex workspace using the KM5NRG member in RKANCMD is shown in the example below. The output is truncated beyond column 80 in this example. The prefix to the trace message consists of the date/time stamp, trace sequence number, probe name, source code line number, trace statement.

```

2006.072 14:13:11.69 (0288-EC879F23:kosrsqml,1540,"fetchWCL") Exit: 0x0
2006.072 14:13:11.69 (0289-EC879F23:kosrsqml,1441,"fetchWCL") Entry
2006.072 14:13:11.69 (028A-EC879F23:kosrsqml,2571,"Get_SQL") Entry
2006.072 14:13:11.69 (028B-EC879F23:kosrsqml,2583,"Get_SQL") Exit: 0x1
2006.072 14:13:11.69 (028C-EC879F23:kosrsqml,1482,"fetchWCL") fetchWCL: fetch r
2006.072 14:13:11.69 (028D-EC879F23:kosrsqml,1499,"fetchWCL") fetchWCL: fetch r
2006.072 14:13:11.69 (028E-EC879F23:kosrsqml,2601,"logRow") Entry
2006.072 14:13:11.69 (028F-EC879F23:kosrsqml,2833,"logRow") logRow: Dump of ret
2006.072 14:13:11.69 (0290-EC879F23:kosrsqml,2837,"logRow")          sdfname
2006.072 14:13:11.69 (0291-EC879F23:kosrsqml,2841,"logRow")          clsname
2006.072 14:13:11.69 (0292-EC879F23:kosrsqml,2845,"logRow")          resgname
2006.072 14:13:11.69 (0293-EC879F23:kosrsqml,2847,"logRow")          clpgindex
2006.072 14:13:11.69 (0294-EC879F23:kosrsqml,2850,"logRow")          wklnum
2006.072 14:13:11.69 (0295-EC879F23:kosrsqml,2855,"logRow")          clsdesc
2006.072 14:13:11.69 (0296-EC879F23:kosrsqml,2857,"logRow")          clpgflag
2006.072 14:13:11.69 (0297-EC879F23:kosrsqml,2860,"logRow")          clsperiods
2006.072 14:13:11.69 (0298-EC879F23:kosrsqml,2863,"logRow")          clsflag
2006.072 14:13:11.69 (0299-EC879F23:kosrsqml,2916,"logRow") Exit: 0x0
2006.072 14:13:11.69 (029A-EC879F23:kosrsqml,1530,"fetchWCL") fetchWCL: Load WC
2006.072 14:13:11.69 (029B-EC879F23:kosrsqml,1540,"fetchWCL") Exit: 0x0
2006.072 14:13:11.69 (029C-EC879F23:kosrsqml,1441,"fetchWCL") Entry
2006.072 14:13:11.69 (029D-EC879F23:kosrsqml,2571,"Get_SQL") Entry
2006.072 14:13:11.69 (029E-EC879F23:kosrsqml,2583,"Get_SQL") Exit: 0x1
2006.072 14:13:11.69 (029F-EC879F23:kosrsqml,1482,"fetchWCL") fetchWCL: fetch r
2006.072 14:13:11.69 (02A0-EC879F23:kosrsqml,1499,"fetchWCL") fetchWCL: fetch r
2006.072 14:13:11.69 (02A1-EC879F23:kosrsqml,2601,"logRow") Entry
2006.072 14:13:11.69 (02A2-EC879F23:kosrsqml,2833,"logRow") logRow: Dump of ret
2006.072 14:13:11.69 (02A3-EC879F23:kosrsqml,2837,"logRow")          sdfname
2006.072 14:13:11.69 (02A4-EC879F23:kosrsqml,2841,"logRow")          clsname
2006.072 14:13:11.69 (02A5-EC879F23:kosrsqml,2845,"logRow")          resgname
2006.072 14:13:11.69 (02A6-EC879F23:kosrsqml,2847,"logRow")          clpgindex
2006.072 14:13:11.69 (02A7-EC879F23:kosrsqml,2850,"logRow")          wklnum
2006.072 14:13:11.69 (02A8-EC879F23:kosrsqml,2855,"logRow")          clsdesc
2006.072 14:13:11.69 (02A9-EC879F23:kosrsqml,2857,"logRow")          clpgflag
2006.072 14:13:11.69 (02AA-EC879F23:kosrsqml,2860,"logRow")          clsperiods

```

The names of the modules being traced appear in the trace log immediately following the recording of the name of the trace member itself. You can scan the trace output to see if these modules are producing output. Not every module listed will necessarily produce output, but there should be output from at least one of the modules. For example, the following is the trace output from trace member KM5NASO, for the Address Space Overview workspace. You can see the trace being activated for modules KM3ACAG, KM3ASAG, KRAM3ACB, and KRAM3ASB. You can also see output from three of those modules.

```

KLVOP191 REPLY FROM *MASTER*:
KLVOP191 'KM5NASO'
KLVOP001 OPERATOR(*MASTER*) RKANCMD(KM5NASO) LINE(1) 'CTDS TRACE ADD FILTER ID=KM3ACAG
UNIT=KM3ACAG CLASS(ALL)'
```

```

KL VOP001 OPERATOR(*MASTER*) RKANCMD(KM5NASO) LINE(2) 'CTDS TRACE ADD FILTER ID=KM3ASAG
UNIT=KM3ASAG CLASS(ALL)'
KL VOP001 OPERATOR(*MASTER*) RKANCMD(KM5NASO) LINE(3) 'CTDS TRACE ADD FILTER ID=KRAM3ACB
UNIT=KRAM3ACB CLASS(ALL)'
KL VOP001 OPERATOR(*MASTER*) RKANCMD(KM5NASO) LINE(4) 'CTDS TRACE ADD FILTER ID=KRAM3ASB
UNIT=KRAM3ASB CLASS(ALL)'
(0000-E93B319B:kram3asb,137,"km3_assumry_base") Active RAS1 Classes: EVERYT EVERYE EVERYU
(0001-E93B319B:kram3asb,137,"km3_assumry_base") Entry
(0002-E93B319B:kram3asb,140,"km3_assumry_base") Exit
(0003-E93B319B:km3asag,252,"TakeSampleConstructor") Active RAS1 Classes: EVERYT EVERYE EVERYU
(0004-E93B319B:km3asag,252,"TakeSampleConstructor") Entry
(0005-E93B319B:km3asag,256,"TakeSampleConstructor") Exit
(0006-E978A01B:kram3acb,137,"km3_ascpuutil_base") Active RAS1 Classes: EVERYT EVERYE EVERYU
(0007-E978A01B:kram3acb,137,"km3_ascpuutil_base") Entry
(0008-E978A01B:kram3acb,140,"km3_ascpuutil_base") Exit

```

SYSPRINT tracing for the OMEGAMON Subsystem

SYSPRINT tracing is the primary diagnostic tool for the OMEGAMON Subsystem. SYSPRINT tracing is set either by adding or updating an environment variable in *&rhilev.&rte.RKANPARU(KOBENV)* or by issuing a modify command against the OMEGAMON Subsystem started task.

If you modify the KM5_NTH_CACHE_DEBUG environment variable, you must stop and restart the OMEGAMON Subsystem. To change the trace settings without having to recycle the OMEGAMON Subsystem, use a modify command.

SYSPRINT trace log files can grow large over time. Be careful with how long you run the OMEGAMON subsystem with tracing enabled.

Set tracing by editing RKANPARU(KOBENV)

One of the simplest ways to set tracing for an OMEGAMON Subsystem is to edit the *&rhilev.&rte.RKANPARU(KOBENV)* member. Add the following statement: KM5_NTH_CACHE_DEBUG=xxx where xxx = ON | OFF

After you add or update the statement, you must stop and restart the address space for the command to take effect. The setting remains in effect for the life of the address space or until a MODIFY command changes the trace setting.

Set tracing using PARMGEN

You may override the default trace setting for the OMEGAMON Subsystem by editing the KOB\$PENV member of WCONFIG. By setting this as an override parameter in PARMGEN, your setting will be in effect during OMEGAMON Subsystem address space initialization and will be retained when you reconfigure the product. Add the following statement to *&rte_plib_hilev.&rte_name.WCONFIG(KOB\$PENV)*:

```

KM5_NTH_CACHE_DEBUG=xxx
where xxx = ON | OFF

```

After you add or update the statement, you must stop and restart the address space for the command to take effect. The setting remains in effect for the life of the address space or until a MODIFY command changes the trace setting.

Set tracing using a MODIFY command

You can use a MODIFY command to set tracing for an OMEGAMON Subsystem.

```

/F <started task name>, DEBUG xxx
where xxx = ON | OFF

```

The setting remains in effect for the life of the address space or until a MODIFY command changes the trace setting.

Capturing z/OS logs to send to IBM Software Support

You may be asked by IBM Software Support to save a log and send it to them. To save a log to a file rather than viewing the log online, you need to know how to save the contents of the log and how to end one RKLVLOG file and start another. You may be asked to save the log to a file by

Saving the contents of a log

To save the information in your z/OS logs (such as RKLVLOG), use the System Display and Search Facility (SDSF).

Follow these instructions to use SDSF to capture (in this example) the RKLVLOG associated with any running task in your monitoring agent.

1. From ISPF, select the SDSF option.
2. Enter the following on the command line:

```
st taskname
```

where *taskname* is the name of the procedure whose log you are trying to display and capture. For example, entering `st cansdsst` on the command line results in display of the IBM Z OMEGAMON Monitor for z/OS monitoring agent job.

3. From the SDSF screen, enter ? next to the name of the started task to display a list of the output files. For example, the output files for the IBM Z OMEGAMON Monitor for z/OS monitoring agent task look like this:

```
JESMSG LG JES2
JESJCL   JES2
JESYSMSG JES2
SYSTSPRT CANSDSST
SYSPRINT CANSDSST
RKLVLOG  CANSDSST
RKLVSNAPE CANSDSST
RKPDLLOG CANSDSST
```

4. To print the RKLVLOG for this job to a data set, type **s** next to the RKLVLOG output file. Then, on the command line of SDSF, type:

```
print d
```

Press **Enter**. The **d** means that you want the file printed to a data set.

The **SDSF Print to Data Set** panel is displayed.

COMMAND INPUT ==>

Data set name ==> 'data_set_name'

Member to use ==>

Disposition ==> NEW (OLD, NEW, SHR, MOD)

If the data set is to be created, specify the following.

Volume serial will be used to locate existing data sets if specified.

Management class	==>	(Blank for default management class)	
Storage class	==>	(Blank for default storage class)	
Volume serial	==>	(Blank for authorized default volume)	*
Device type	==>	(Generic unit or device address)	*
Data class	==>	(Blank for default data class)	
Space units	==> TRKS	(BLKS, TRKS, CYLS, BY, KB, or MB)	
Primary quantity	==> 5	(In above units)	
Secondary quantity	==> 5	(In above units)	
Directory blocks	==> 0	(Zero for sequential data set)	
Record format	==> VBA		
Record length	==> 240		
Block size	==> 3120		

* Only one of these fields may be specified

Figure 1. SDSF Print to Data Set panel

- On this panel, type the data set name and characteristics for the file you want to print, and press **Enter**.
- You are returned to the RKLVLLOG output file. On the command line, specify the number of lines you want to print by entering a range large enough to include the entire file, such as:

```
print 1 99999999
```

Then press **Enter**. A message in the upper right corner of the panel tells you how many lines are printed.

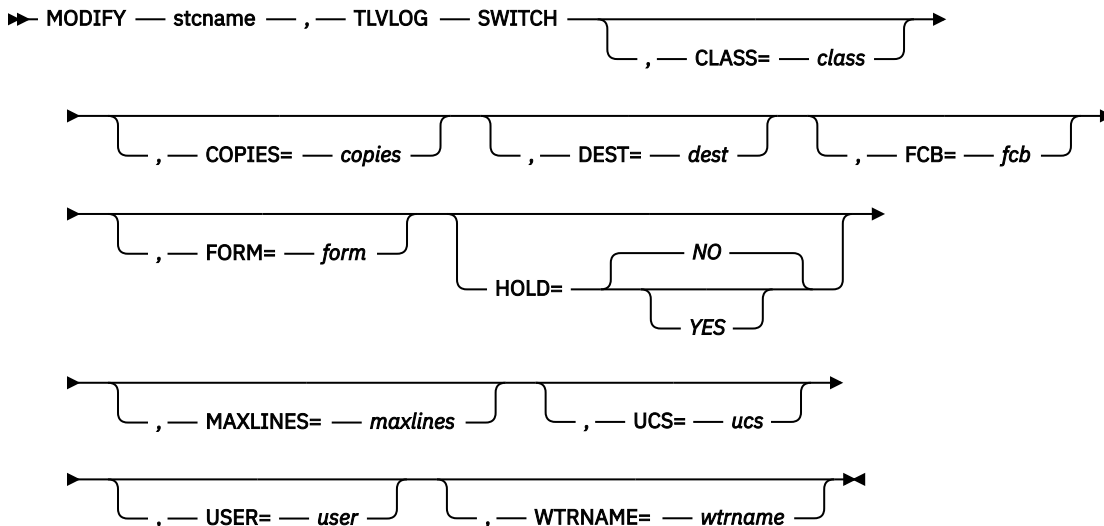
- Type `print close` on the SDSF command line to close the file. The log is now saved in the specified data set.

For more information about SDSF commands, see *z/OS SDSF Operation and Customization* (SA22-7670).

End one RKLVLLOG and start another

When you want to recreate a problem to send it to IBM Software Support, you can use a z/OS MODIFY command to close the current RKLVLLOG spool data set and open a new one. This command is issued from a z/OS console or from the Tivoli Enterprise Portal (by means of a Take Action command). The TLVLLOG command manages the recording of information to RKLVLLOG.

The syntax and usage of this command are shown in the following diagram:



where:

SWITCH

Dynamically allocates a new RKLVLLOG file using the current values, begins recording on the new file, and closes the current RKLVLLOG file, releasing it for processing by JES.

class

Is the one-character JES SYSOUT class. **CLASS=A** is the TMS:Engine startup value.

copies

Is the copy count. The valid range is 1-254. **COPIES=1** is the startup value.

dest

Is the 1-8 character JES SYSOUT destination. **DEST=()** is the startup value.

fcb

Is the 1-4 character FCB name to be used. **FCB=()** is the startup value.

form

Is the 1-4 character form name to be used. **FORM=()** is the startup value.

hold

Determines whether the SYSOUT is to be placed in a JES operator hold when spun off. Specify **YES** (operator hold is requested) or **NO**. **HOLD=NO** is the startup value.

Note: If **HOLD=YES** is specified, you must issue the appropriate JES release command for the SYSOUT dataset to be processed.

maxlines

Is the maximum number of lines to be written to RKLVLLOG, in thousands (for example, MAXLINES=2 means a maximum of 2000 lines). The valid range is 0 through 16000 (16 million lines). When this number is reached, an automatic TLVLOG SWITCH is performed, closing the current RKLVLLOG and allocating a new one. If the specified value is 0, there is no maximum; you must manually enter TLVLOG SWITCH to switch log files. **MAXLINES=0** is the startup value.

Note: Unlike the other values, MAXLINES takes effect immediately. If the new MAXLINES value is less than the number of lines that have already been written to the current RKLVLLOG, a switch is performed immediately.

ucs

Specifies the 1-4 character UCS name to be used. **UCS=()** is the startup value.

user

Is the 1-8 character user ID to which the SYSOUT is to be spooled. Ignored if **DEST** is blank. **USER=()** is the startup value.

wtrname

Is the 1-8 character external writer name to be used. **WTRNAME=()** is the startup value.

Note:

1. The TLVLOG command performs up to three functions, depending on the keywords specified. Assuming that you select all three functions, they are performed in the following order:
 - a. Updates the dynamic allocation values. With the exception of MAXLINES, these values are used when the next dynamic allocation is performed. Values are updated whenever they are coded on the command.
 - b. Lists the current dynamic allocation values. This is always done.
 - c. Switches RKLVLLOGs. This is done only when SWITCH is specified on the command.

You can update values and request a switch with the same command. The values are updated first, and then the switch is performed.

2. RKLVLLOGs can be closed automatically after a certain number of records have been written to them. Refer to the MAXLINES keyword for more information.
3. To set up an automatic RKLVLLOG switch whenever the TMS:Engine address space is started, add the following command to your RKANCMD startup CLIST:

```
TLVLOG MAXLINES=nnn
```

This command causes RKLVLLOG to be closed and released to JES whenever *nnn* thousands of lines have been written. If needed, you can add other values (for example, CLASS) to this command.

4. Many diagnostic messages are recorded in RKLVLLOG. If you set RKLVLLOG to spin off automatically, or if you explicitly switch RKLVLLOG, you must ensure that the SYSOUT files are kept at least for the life of the TMS:Engine run, in case they are required for problem solving.
5. You might want to issue a TLVLOG SWITCH command after a problem occurs. This spins off the RKLVLLOG data related to the problem into a separate spool data set, which can be included in the problem documentation. Be sure to include all previously spun-off RKLVLLOG files .
6. Because RKLVLLOG is managed with standard IBM data management routines, records are buffered before being written. If you are viewing the currently active RKLVLLOG with a product such as SDSF, you do not see the latest messages. Issue the command FLUSH TLVLOG to force the current data management buffer to be written. Do not use the TLVLOG SWITCH to spin off the current RKLVLLOG for this purpose, as it fragments the messages recorded in RKLVLLOG.

7. Unless you explicitly set a non-zero MAXLINES value, RKLVLLOG never switches automatically.
8. If an error occurs when writing to RKLVLLOG, TMS:Engine issues a message and disables RKLVLLOG recording. However, messages are still written to VIEWLOG and to all active operator interfaces. Depending on the error, you might be able to restart RKLVLLOG by issuing a switch request.

Here are some example of ways to use this command:

- To list the current RKLVLLOG destination and values:

```
tlvlog
```

- To establish class X and destination SYSPROG as default SYSOUT attributes, and the maximum number of lines as 20,000:

```
tlvlog class=x dest=sysprog maxlines=20
```

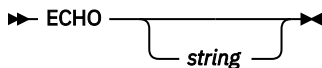
- To switch to a new RKLVLLOG:

```
tlvlog switch
```

Flushing the log buffers

After a TLVLOG is switched, issuing an ECHO command can flush the log buffers and ensure that new messages are written to the new RKLVLLOG. The ECHO command echoes any text entered back to the screen.

The syntax of the ECHO command is shown in the following diagram:



where *string* is a character string to be echoed back to the operator screen where the ECHO command was entered.

Note:

1. Use ECHO to verify that the TMS:Engine operator facility is functioning properly and to force all buffered messages to the log.
2. Even after an ECHO, log output might not be visible in JES3 systems, because of the way JES3 manages spool buffers.
3. Enclosing *string* in single quotes is necessary only if you want to preserve leading blanks.

Understanding and using trace logs

Trace logs contain a mix of status lines and numbered product messages. Most messages with IDs are documented in the troubleshooting guide for each monitoring agent or in the IBM Tivoli Monitoring messages manual. You can also determine the meaning of a message by entering the message number into an Internet search engine such as Google. The information that follows helps you interpret the messages and status lines in a z/OS log.

Format of messages in a RAS1 log

A RAS1 log for a monitoring agent contains environmental information, component information, and formatted output.

A RAS1 log for a monitoring agent on z/OS includes the following information:

- Environmental information
 - Operating system and CPU data. This information is prefaced with the following string:

```
pppaxmmmm
```

where:

ppp

Is the component prefix.

xx

Is the component code.

mmm

Is the module name.

- Initial command line settings
- Component summary:
 - Name of the module
 - Information about where the library was loaded from
 - Date and time the module was compiled
 - Version (if this detail was specified)
- Formatted output, including entry and exit points and text strings. Entry and exit points show flow into and out of a given function. The exit shows the return code, if applicable. The text depends on the kind of trace specified. Here is an example:

```
(00D41 F9C-1{99%}:KppMAIN.CPP,953,"MainWnd:MainWnd") Entry
(00D41 FD3-1{99%}:KppMAIN.CPP,959,"MainWnd:MainWnd") Exit
Time,Thread,{%stack avail},pgm_name,Line#,function,text
```

As noted earlier, not all functions are RAS1-enabled, and trace level might exclude some paths.

Common problems and solutions

This section contains information about problems that might arise while you are using the Tivoli Enterprise Portal user interface to monitor your z/OS systems or to issue Take Action commands. Some of the symptoms described may be traced to installation, configuration, or security problems, but they are typically experienced as usage problems. It also contains information that can help you avoid problems.

Preventing installation problems on Linux and UNIX systems

Installing application support on the Tivoli Enterprise Portal installs the files that the portal server and clients require to present IBM Z OMEGAMON Monitor for z/OS workspaces and help.

Installing application support on the hub Tivoli Enterprise Monitoring Server installs product-provided situations, templates, and other product-specific data in the Enterprise Information Base (EIB) tables. On Linux and UNIX systems, problems often arise because application support for IBM Z OMEGAMON Monitor for z/OS is not installed on Tivoli Management Services components, or because support is not installed correctly.

Installing application support on a Linux or UNIX system is a looped procedure, with up to four iterations:

- Installing application support on the browser client framework.
- Installing application support on the desktop client.
- Installing application support on the portal server.
- Installing application support on the monitoring server (if the hub is on the local Linux or UNIX system).

Application support can be installed on only one component at a time.

After application support has been installed, the Tivoli Enterprise Monitoring Server must be stopped and then restarted. The Tivoli Enterprise Portal Server and the desktop client must be reconfigured.

For detailed instructions for installing application support, see *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*

No data in z/OS Sysplex Enterprise Overview workspace

If you have a hub monitoring server on a Linux or AIX® computer and you are not getting data z/OS Sysplex Enterprise Overview workspace, the IBM Z OMEGAMON Monitor for z/OS *meta-probes* may not have been installed. IBM Z OMEGAMON Monitor for z/OS uses meta-probes on distributed hubs to collect sysplex-level data from remote Tivoli Enterprise Monitoring Servers.

To see if the meta-probes have been installed or not, issue the following command from <itmhome>/bin directory:

```
> cinfo -i
```

Look for the **m5** product code. For example:

```
m5   IBM Z OMEGAMON Monitor for z/OS
arch Version: 05.06.00.00      <----metaprobes installed here
tms   Version: 05.06.00.07
tps   Version: 05.06.00.07
tpw   Version: 05.06.00.00
```

where the value of *arch* is the UNIX platform where the monitoring server is installed.

If the meta-probes are installed, try reconfiguring the hub monitoring server using the following commands:

```
> itmcmd server stop temsname
> itmcmd config -S -t temsname
> itmcmd server start temsname
```

Selection list is empty when installing IBM Z OMEGAMON Monitor for z/OS application support on Windows

If you attempt to install IBM Z OMEGAMON Monitor for z/OS application support on a Windows system and find an empty selection list on the **Select Features** window of the InstallShield, make sure that the Tivoli Enterprise Portal Server is already installed on the workstation.

This is the required order for installing distributed components:

1. DB2 Universal Database (DB2® UDB) Workgroup Server Edition

You can install DB2 UDB from the installation CDs included in the IBM Z OMEGAMON Monitor for z/OS product package.

2. Tivoli Enterprise Portal Server

You can install the portal server from the *IBM Tivoli Monitoring* CDs included in the IBM Z OMEGAMON Monitor for z/OS product package. If you want to install the Tivoli Enterprise Portal desktop client on the same system as the Tivoli Enterprise Portal Server, you can install them at the same time.

3. IBM Z OMEGAMON Monitor for z/OS application support

You can install IBM Z OMEGAMON Monitor for z/OS application support from the *IBM Tivoli OMEGAMON Data Files for z/OS* CD included in the product package.

For detailed instructions on installing and configuring the product components, see the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide* and the *IBM Tivoli Monitoring: Installation and Setup Guide*.

Unexpected interface behaviors in a mixed version environment

If you are in the middle of a staged upgrade, you might have a combination of monitoring agents of different versions operating in your environment. For example, you might have an IBM Z OMEGAMON Monitor for z/OS V5.6 monitoring agent and an OMEGAMON XE for CICS® on z/OS V5.1.0 monitoring agent running on the same system.

In a staged upgrade environment, you should expect the following behaviors:

- If you use a cross-product workspace link to navigate directly from an IBM Z OMEGAMON Monitor for z/OS workspace to an OMEGAMON XE for CICS on z/OS V5.1.0 or IBM Z OMEGAMON Network Monitor workspace, the link resolves as long as the target workspace exists in the V5.1.0 product and the Tivoli Enterprise Portal user ID is authorized to access OMEGAMON XE for CICS or IBM Z OMEGAMON Network Monitor .

If the target workspace does not exist or is unavailable (for example, if the OMEGAMON XE on CICS monitoring agent is installed but the monitoring agent is not running), the Tivoli Enterprise Portal issues a **Target Not Found** message (KFWITM081E).

- When an operator sitting at a Tivoli Enterprise Portal monitors a system running a V5.6 monitoring agent, the workspaces and attributes available for monitoring and for creating situations reflect V5.6.

When this same operator monitors a system running a monitoring agent of the previous version, the product information reflects the V5.6 code running on the Tivoli Enterprise Portal, not the code from the previous version running in the monitoring agent. This potentially misleading information can be seen in flyovers, online help, and information provided in the Situation editor. Support of a mixed-version environment is meant as an upgrade aid, but operators working in such a transitional environment might encounter unexpected user interface behavior.

- IBM Z OMEGAMON Monitor for z/OS V5.6 provides some new attribute groups and attributes not provided in previous versions. In an enterprise configuration containing IBM Z OMEGAMON Monitor for z/OS monitoring agents of more than one version level, the navigation tree does not show the same workspaces for all z/OS systems. When sysplex-level table views are built by combining data from all members of the sysplex, the value **Unavailable** is displayed in columns where a monitoring agent of an earlier version does not provide data for the column.

Data is missing for some attributes or workspaces

Some attributes and workspaces display data only when specific conditions are met. If you are missing data for some attributes or workspaces, ensure that the prerequisite conditions are met. Note that if you have enabled RMF collection of coupling facility data, the Path Workspace for CF Systems will contain no data.

Table 5 on page 29 list the requirements for data collection for workspaces and attributes.

Table 5. Requirements for data	
Data is available for	Only if
4 Hour MSUs attribute in the System CPU Utilization attributes group	A defined capacity is used as a basis for pricing and the z/OS system is <i>not</i> running as a guest on z/VM®.
Channel Path attributes	The Resource Measurement Facility (RMF) has been started.
Common Storage attributes	The Common Storage Area Analyzer (CSA Analyzer) is started. Note: The CSA Analyzer is shipped and installed with IBM Z OMEGAMON Monitor for z/OS. It is started as a separate started task.
Coupling facility and cross coupling facility (XCF) data collected by the Resources Management Facility (RMF) Distributed Data Server (DDS)	<ul style="list-style-type: none"> • You are running z/OS V1.8 or higher with the following RMF components activated: <ul style="list-style-type: none"> – RMF Control Task (RMF)—one instance on each system – RMF Monitor III Gatherer (RMFGAT)—one instance on each system – RMF Distributed Data Server (GPMSEVER)—one instance per sysplex • You have enabled RMF data collection as described in <i>IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide</i>.

Table 5. Requirements for data (continued)

Data is available for	Only if
Cryptographic attributes	At least one IBM cryptographic coprocessor is installed and configured and the KM5EXIT3 exit is installed in the Integrated Cryptographic Service Facility (ICSF). Note: The KM5EXIT3 exit is shipped and installed with IBM Z OMEGAMON Monitor for z/OS. See <i>IBM Z OMEGAMON Monitor for z/OS: Configuration and Planning Guide</i> for more information.
DASD MVS workspace and DASD MVS Devices attributes	The Resource Measurement Facility (RMF) has been started.
Dynamically-bound PAV aliases	The system you are monitoring is running z/OS V1.8 or later.
GRS Ring Systems attributes	The global resource serialization (GRS) complex is in ring mode. (If the complex is in star mode, only the name, status, and ring acceleration of each system are available.)
HiperDispatch Management and HiperDispatch Logical Processors attributes	HiperDispatch Management mode is On.
Integrated Facility for Applications (IFA) on CP resource times at the address space and service class period level	Either <ul style="list-style-type: none"> z/Series Application Assist Processors are configured on the systems, or Java applications are started using a switch (-Xifa:force)
LPAR cluster attributes	The z/OS system is not running as a guest on z/VM.
Model Permanent Capacity ID and Rating and Model Temporary ID and Rating	System hardware is z10 or later.
Near Term History data	<ul style="list-style-type: none"> You are running z/OS V1.10 or higher with the following RMF components activated: <ul style="list-style-type: none"> RMF Control Task (RMF)—one instance on each system RMF Monitor III Gatherer (RMFGAT)—one instance on each system RMF Distributed Data Server (GPMSEVER)—one instance per sysplex You have enabled RMF data collection as described in <i>IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide</i>. Lock data collection is enabled on RMF.
Promoted Percent	The z/OS V1.9 Workload Manager blocked workload capability is enabled.
Sysplex DASD attributes (Sysplex DASD Device, Sysplex DASD Group, Sysplex DASD)	A DASD filter situation is enabled.

Table 5. Requirements for data (continued)

Data is available for	Only if
Suspend lock and spin lock data	<ul style="list-style-type: none"> You are running z/OS V1.10 or higher with the following RMF components activated: <ul style="list-style-type: none"> RMF Control Task (RMF)—one instance on each system RMF Monitor III Gatherer (RMFGAT)—one instance on each system RMF Distributed Data Server (GPMSEVER)—one instance per sysplex You have enabled RMF data collection as described in <i>IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide</i>. Lock data collection is enabled on RMF.
zAware attributes	<p>The following prerequisites must be completed:</p> <ul style="list-style-type: none"> You must configure every LPAR that drives the zAware agent as enabled for AT-TLS encryption. ICSF must be enabled to support zAware user ID and password encryption. A valid zAware user ID and password must be specified so that the IBM Z OMEGAMON Monitor for z/OS agent can authenticate with the zAware server. <p>For more information about completing these prerequisite steps, see the <i>IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide</i></p>
zFS attributes	<p>zFS is specified as the file system on the monitored system (that is, FILESYSTYPE TYPE(ZFS) is specified in SYS1.PARMLIB(BPXPRMxx).)</p> <p>Note: On z/OS 1.10, IBM Z OMEGAMON Monitor for z/OS uses an address space name of ZFS, unless the parameter KM3KZFSASN=xxxxxxx (where xxxxxx is the started task (STC) name of the zFS address space) has been added to the &rhilev.&rte.RKANPARU(KDSENV). For z/OS 1.11 and later, the zFS name is obtained from the system, so this parameter does not need to be coded.</p>
z/OS UNIX System Services attributes	<p>The address space where the IBM Z OMEGAMON Monitor for z/OS product is running has SUPER USER authority. This level of authority is equivalent to root (UID=0).</p>

Data is missing from Sysplex workspaces

If you are upgrading in stages, all of the monitoring servers eligible to be the sysplex proxy should be upgraded concurrently. If the proxy is on a monitoring server that has not been upgraded, or switches to one, some or all of the Sysplex workspaces contain no data and the workspace views show SQL errors.

You can verify this problem by looking at the monitoring server RKLVLG file. You should see errors like the following:

```
Workflow Analysis for Service Class Period
TEP error: "KFWITM217E Request error: SQL1_CreateRequest failed, rc=202 + SQL1_DistReqError"
TEMS rklvlog messages:
kdsruc1.c,5801,"CreateRequest") Cannot create request, status = 67109066
kdsruc1.c,5228,"SetupRequest") Cannot create request, status = 67109066
kdsruc1.c,4672,"CreateDistRuleTree") Cannot setup request, status = 67109066
kdsruc1.c,1135,"CreateDistributedSituation") Cannot create the RULE tree
```

```
kdspmou1.c,705,"PM1_CompilerOutput") Cannot set root table, status = 67109066
kdspmcv.c,1063,"CreateTable") VPM1_Output Failed status: 67109066
kdspmcv.c,1064,"CreateTable") Compiler output error, status = 67109066
kdsvws1.c,1368,"CreateServerView") Bad status from VPM1_CreateTable, 67109066
kdspac1.c,1979,"VPA1_CreateRequest") Create request failed with return code 6710
```

```
Coupling Facility Policy Data for Sysplex
TEP error: "KFWITM217E Request error: SQL1_CreateRequest failed, rc=209 + SQL1_DistReqError"
TEMS rklvlog messages:
kdsruc1.c,5228,"SetupRequest") Cannot create request, status = 67109073
kdsruc1.c,4672,"CreateDistRuleTree") Cannot setup request, status = 67109073
kdssnc1.c,1135,"CreateDistributedSituation") Cannot create the RULE tree
kdspmou1.c,705,"PM1_CompilerOutput") Cannot set root table, status = 67109073
kdspmcv.c,1063,"CreateTable") VPM1_Output Failed status: 67109073
kdspmcv.c,1064,"CreateTable") Compiler output error, status = 67109073
kdsvws1.c,1368,"CreateServerView") Bad status from VPM1_CreateTable, 67109073
kdspac1.c,1979,"VPA1_CreateRequest") Create request failed with return code 6710
```

To resolve the problem, identify and upgrade any proxy-eligible monitoring servers to the current version of the Tivoli Enterprise Portal Server.

Data is missing from all workspaces

If a monitoring agent is not installed in the same consolidated software inventory (CSI) as a z/OS hub monitoring server, its catalog (CAT) and attribute (ATR) files must be manually transferred to the RKANDATV data set of the hub monitoring server. For example, you might have a Windows agent reporting to a z/OS hub, or you might have an OMEGAMON XE for CICS on z/OS agent installed in another Sysplex, but none on the hub system. The CAT and ATR files for these agents would need to be copied to the hub. Similarly, if you are using a z/OS hub, and you want to aggregate and prune historical data for any agent, you must transfer the CAT and ATR files for the Summarization and Pruning agent to the hub.

If these files are not located on the hub, all the workspaces for that type of agent contain no data. The workspaces show KFWITM217E Request error: SQL1_CreateRequest failed, rc=209, and the RKLVLG shows many errors building situations.

The required CAT and ATR files are installed on the Tivoli Enterprise Portal Server when you install application support for an agent. From there you can then transfer them to the hub. There are a number of ways to transfer these files. If the Tivoli Enterprise Portal Server is installed on a Windows system, you can use the Manage Tivoli Monitoring Services utility as follows:

1. Launch Manage Tivoli Monitoring Services. For example, **Start > All Programs > IBM Tivoli Monitoring > Manage Tivoli Monitoring Services**.
2. Right-click the Tivoli Enterprise Portal Server entry and select **Advanced > Utilities > FTP Catalog and Attribute files** from the pop-up menu.

The Select attribute and catalog data for transfer dialog box is displayed.

3. Select the files you want to transfers, holding down the Ctrl key to select multiple files. For example, for a Windows agent, select Attribute data for Windows OS Support, then hold down the Ctrl key, scroll to the right of the list in the dialog box, and select Catalog data for Windows OS Support, then click OK.
4. In the FTP TEMS data to z/OS dialog box, provide the following information:
 - The name or IP address of the hub Tivoli Enterprise Monitoring Server
 - A valid FTP user ID and password
 - The fully qualified name of the RKANDATV data set (DSN)
5. After you have completed these fields, click OK to transfer the files. Click **OK** again to dismiss the completion confirmation popup.

Information in a workspace is inconsistent or a table in a workspace has no rows

It is important to keep in mind that the workspaces displayed in the Tivoli Enterprise Portal are static, while the z/OS data is dynamic. When you view a workspace, you see data values from the most recent data collection. Data can change between the time it is collected and the time it is displayed on the workstation, and you might see inconsistencies caused by different times of data collection for different data items in the workspace.

For example, in the **UNIX Processes** workspace, you might see a process running in an address space with a certain ASID but not find a dubbed address space with the same ASID. Such a discrepancy is possible when data collection occurs just as a process is being created or terminated. Inconsistencies of data are more likely when you use links, because data in a workspace might have been collected seconds or even minutes before you click the link.

You might also see a workspace table with no rows in it. For example, in the **UNIX Processes** workspace, if you are viewing the data for a process and you select a link to its children, the resulting table has no rows if no children are found, even though there might have been children earlier. Because the link navigates to a workspace containing two tables (one for the parent process you linked from, and the other for the child processes), both tables can be empty if the parent process has terminated.

Coupling facility, cross-coupling facility, or system lock information is missing

IBM Z OMEGAMON Monitor for z/OS can be configured to obtain coupling facility data from the Resource Measurement Facility (RMF) Distributed Data Server (DDS) instead of collecting its own data. If the monitoring agent is configured to obtain data from RMF, but the necessary RMF components have not been started, no data is displayed.

In order for data to be available, the following RMF components be activated:

- RMF Control Task (RMF)--one instance on each monitored system
- RMF Monitor III Gatherer (RMFGAT)--one instance on each monitored system
- RMF Distributed Data Server (GPMSSERVE)--one instance per sysplex.

The z/OS system that is running the DDS (the GPMSSERVE address space) must be at the 1.8 level. Monitor III address spaces running on lower-level z/OS systems are compatible with the DDS as long as the DDS itself is on the 1.8 system. The z/OS system that is running the sysplex proxy monitoring server must be at the 1.7 or above level.

By default, RMF data collection is disabled. Enabling RMF data collection involves three steps:

- Defining RACF® IDs for the address spaces that will be using RMF data.
- Enabling the RACF secured signon PassTicket function for the DDS.
- Activating RMF collection on the Tivoli Enterprise Monitoring Server.

If RMF data collection is activated, but there are problems with the secure logon, you may see empty coupling facility workspace views in the Tivoli Enterprise Portal. The following diagnostic message in the RKLVLLOG indicates that secure signon using PassTickets is not working:

```
RMF request failed using PassTicket
```

If this message appears, verify that the RACF rules have been activated and that any issue with RACF user exit has been addressed. For complete information about configuring IBM Z OMEGAMON Monitor for z/OS to use RMF data collection, see *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*.

Some UNIX System Services processes are missing from the UNIX workspaces

The IBM Z OMEGAMON Monitor for z/OS monitoring agent can collect UNIX System Services data only if it has UNIX superuser authority; that is, if the started task of the monitoring server (CANSDSST) is associated with UNIX System Services uid(0). Without this authority, the UNIX Processes workspace might appear to be functioning correctly, but some processes are missing from the workspace tables.

If you suspect that UNIX System Services data is missing, ensure that the Tivoli Enterprise Monitoring Server address spaces are identified to the SAF as UNIX System Services users with superuser authority as documented in *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*.

Take Action commands show return code 0 but are unsuccessful

If you submit a Take Action command from the Tivoli Enterprise Portal (which is always on a distributed system) to a z/OS system, a return code of zero displayed in the portal interface indicates successful submission of the command but gives no indication of the result.

You can find the command output in the z/OS SYSLOG.

UNIX Take Action commands are unsuccessful

By default, any command issued on behalf of IBM Z OMEGAMON Monitor for z/OS is issued as a z/OS command. However, by prefixing a command with one of three prefixes (UNIX:, Unix:, or unix:) you can cause the command to be issued as a UNIX command. The Tivoli Enterprise Portal user IDs that issue UNIX commands must be authorized as UNIX System Services users and the environment in which the commands are issued must have certain characteristics. If UNIX commands are failing, ensure that the required authorization and environment are in effect.

If UNIX commands are failing, perform the following checks:

- Verify the syntax of the commands and that an appropriate prefix has been appended.
- Verify that the environment in which the commands are issued is appropriate, as described in the *IBM Z OMEGAMON Monitor for z/OS: User's Guide*.
- Check the authorization of the Tivoli Enterprise Portal user ID under which the command is being issued, as discussed in the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*.

Optional parameters in the `&shlev.&rtename.RKANPARU(KDSENV)` file change the authorization level required for Tivoli Enterprise Portal users to enter UNIX commands. These parameters do not persist across reconfiguration and need to be reinstated after a configuration change. See the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide* or the *IBM Z OMEGAMON Monitor for z/OS: User's Guide* for details.

z/OS Take Action commands fail

Authorization for z/OS Take Action commands can be restricted to a limited number of trusted users by routing the commands to IBM Tivoli NetView® on z/OS for execution. Take Action commands issued in NetView make full SAF calls for authorization. If forwarding of z/OS Take Action commands to NetView is enabled, the commands may fail to execute because forwarding has been incorrectly configured or Tivoli Enterprise Portal user IDs have not been correctly defined to NetView.

Forwarding or authorization of commands may fail for several reasons:

- The PPI receiver specified during configuration does not match the receiver specified on the NetView APSERV command or is incorrectly specified.

If the specified name is incorrect or the receiver is not active on NetView, default command routing is performed and commands are not authorized.

Confirm that the name of the NetView PPI receiver specified during configuration of the Tivoli Enterprise Monitoring Server (the `KGLHC_PPI_RECEIVER` parameter in the `KDSENV` member of the

`&rhilev.&rtename.RKANPARU` library) is correctly specified and matches the receiver name that is specified on the NetView APSERV command.

The receiver must be a 1-8 character, unique identifier for the receiver program. It can contain alphabetic characters A-Z or a-z, numeric characters 0-9, and the following special characters: dollar sign ('\$'), percent sign ('%'), ampersand ('&'), at sign ('@'), and number sign ('#'). This value must match the value specified in the NetView DSIPARM initialization member, CNMSTYLE. For more information, see the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*.

- The Tivoli Enterprise Monitoring Server cannot locate the NetView CNMLINK data set.

To connect to NetView, the monitoring server needs to reference the NetView CNMLINK data set. This data set must be concatenated to the RKANMODL statement in the monitoring server started task (by default, CANSDSST). For more information, see the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*.

- The Tivoli Enterprise Portal user IDs forwarded with the commands are not defined to NetView.

If Tivoli Enterprise Monitoring Server address spaces are configured to forward z/OS Take Action commands to NetView, NetView must also be configured to receive and execute the commands. You enable NetView by defining the Tivoli Enterprise Portal user IDs. For instructions, see the section on "Defining operators for the NetView for z/OS Tivoli Enterprise Portal agent" in the *Tivoli NetView on z/OS: Security Reference*. You can find the NetView documentation in the Tivoli Netview for z/OS documentation knowledge center.

- NetView is not at the correct level.

Take Action forwarding requires NetView on z/OS V5.2 with APAR OA18449 applied.

No IBM Z OMEGAMON Monitor for z/OS predefined situations are listed in the Situation Editor

If the list of predefined situations listed in the Situation Editor does not include any IBM Z OMEGAMON Monitor for z/OS situations, verify that application support has been installed on the Tivoli Management Services components, that the Tivoli Enterprise Portal Server has been reconfigured, and the Tivoli Enterprise Monitoring Server has been recycled.

For instructions on installing application support, see the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*. For the required order of steps on Linux and UNIX systems, see [“Preventing installation problems on Linux and UNIX systems”](#) on page 27.

Cross-product links do not function: message KFWITM081E

Cross-product links from IBM Z OMEGAMON Monitor for z/OS workspaces to workspaces in other IBM Z Monitoring Suite products function only if a monitoring agent (V3.1 or higher) of the target type is installed and running on the target system. If no agent is installed, the message **KFWITM081E The link target can not be found** is displayed when you attempt to link to the workspace. If you see this message even though the target monitoring agent is installed on the z/OS system, check to make sure the agent is running.

If you installed application support for monitoring agents that you have not installed, links to these agents' workspaces appear as valid destinations for dynamic cross-product links. To prevent the inclusion of misleading links, install application support only for the monitoring agents that you have installed.

Unless your environment is configured so that all monitoring agents are running on all z/OS systems being monitored, the KFWITM081E message does not necessarily indicate a problem.

Cross-product links are missing from the link list


Cross-product workspace links to workspaces for other OMEGAMON monitoring agents are displayed in the link list only if the product you are linking to has been installed and your Tivoli Enterprise Portal user ID is authorized to access that product.

If a cross-product link is missing from the link list, verify that your user ID is authorized to access the IBM Z OMEGAMON Monitor for z/OS product and that you have installed application support for both IBM Z OMEGAMON Monitor for z/OS and the targeted product.

DASD MVS Devices workspace takes a long time to refresh and uses high CPU

To speed up refresh of the DASD MVS Devices workspace and reduce CPU consumption in the monitoring server, specify filter criteria in the queries that are used by this workspace. Specifying stricter filter criteria will reduce the number of devices selected for processing and display at the Tivoli Enterprise Portal.

To edit the filter criteria, complete the following procedure:

1. Log on to the Tivoli Enterprise Portal and launch the Query editor  from the toolbar, or type Ctrl+Q.
2. Expand the MVS System entry, then the DASD MVS Devices entry, and click the DASD MVS Devices query.
3. Click the Create Another Query icon.
4. Enter a name for the query (for example, DASD MVS Devices Filtered).
5. Specify filter criteria for the Response or Percent Busy columns, or both.
Note: Filter criteria can be specified for other columns, but the two are the only attributes that will have a noticeable effect on refresh time and CPU consumption.
6. Save the query.
7. Select **Edit > Administer Users**, and click your user ID.
8. Scroll to the end of the Permissions window and click **Workspace Administration**.
9. Make sure that both **Workspace Administration Mode** and **Workspace Author Mode** are checked.
10. Click the **Apply** button, then the **OK** button.
11. Select the DASD MVS Devices workspace.
12. After the workspace opens, right-click the table display and select **Properties**.
13. Click the button that says "Click here to assign a query" and select your new filter query, then click the **Apply** button.
14. Repeat step 13 for each of the Bar Chart views.
15. Select **File > Save Workspace As** and enter a new name for the workspace, such as DASD MVS Devices Filtered.
16. Click the button to save the workspace as the default for this Navigator item.
17. Repeat steps 7-10 to reset your permissions to their previous settings, if appropriate.

Monitoring of UNIX System Services mounted file system affects AutoMount and UnMount

IBM Z OMEGAMON Monitor for z/OS monitoring of UNIX System Services mounted file systems issues the `statvfs (BPX1STV) api` call to obtain buffer and storage statistics for the file system. It is appropriate for the monitoring server task (OMDSCMS) to touch all mounted file systems in this way; however, the frequency of this monitoring can cause a problem with Automount/UN-Mount being slow or Automount/UN-Mount failing altogether.

Frequency of the monitoring can be controlled by the `KOE_MFSB_WUI`, `KOE_MFSB_TBI` and `KOE_MFSB_MDI` parameters in the `&rhilev.&rte.RKANPARU(KDSENV)` file (see [Table 6 on page 37](#)).

Set the values closer to their maximum and monitor over time to see if the AutoMount or UnMount problem is resolved.

Table 6. MFS background collection interval values (in seconds)					
Parameter	Controls	Default	Min	Max	Description
KOE_MFSB_WUI	Wake-up interval	90	10	600	Specifies how often the background collection will make a determination on whether to collect new data.
KOE_MFSB_TBI	Throttle-back interval	300	240	3600	Specifies the period after which collection is skipped if data is not referenced.
KOE_MFSB_MDI	Maximum-dormant interval	600	300	3600	Specifies the period after which new data will be collected, whether or not it has been referenced by an agent.

UNIX System Services mounted file systems data is not updated when refreshed

To avoid disrupting other agent work in the Tivoli Enterprise Monitoring Server in cases where MFS collection has many file systems to process or may be hung due to system work on HFS files, all data collection is done in the MFS background process at specific intervals as specified by or defaulted to through the KOE_MFSB_WUI, KOE_MFSB_TBI and KOE_MFSB_MDI parameters in `&rhilev.&rte.RKANPARU(KDSENV)` file.

If more regularly updated MFS statistics are needed, the maximum-dormant interval (KOE_MFSB_MDI) may need to be lowered. The wake-up interval (KOE_MFSB_WUI) value may also be lowered, but lowering the value will only be effective if the data is being referenced by the workspaces or situations.

Portal server, monitoring server hang when UNIX System Services Overview workspace is selected

On z/OS systems with RACF data bases defined before OS/390® v2.10, or with databases not at stage 3 of application identity mapping, if VLF caching and the UNIXMAP class are not used, significant performance degradations may result as user IDs and group names are associated with UIDs and GIDs for UNIX processes. As a result, when the UNIX System Services Overview workspace is selected, the portal server hangs. The proxy hub and remote monitoring server hangs or slows down with a high CPU condition. KDSTMDTE messages may be seen in the monitoring server log.

The following items are indications of this problem condition:

- The IRRIRA00 utility outputs the message "IRR66017I The system is currently operating in stage 0".
- The COFVLFxx member of SYS1.PARMLIB does not contain definitions for the IRRGMAP and IRRUMAP VLF classes or VLF is not active, or both.
- The UNIXMAP class is not defined and active in RACF.
- The system trace table from a dump taken during the hang or slowdown shows many SVC 84s, which each issue ENQs and EXCPVRs. There may be a WAIT for the ENQ as well as multiple I/Os for each SVC 84.
- When the remote monitoring server is run with KBB_RAS1=(UNIT:KOE04* ALL) tracing and the UNIX System Services Overview workspace is referenced, the RKLVLLOG will show moderate to severe delays between some instances of the following messages:
 - KOE04A - About to call BPX1GPS; token is nnnnnnnnn.
 - KOE04A - PS_WORKA:

Refer to the RACF and UNIX System Services documentation to set up the appropriate VLF caching and UNIXMAP classes.

Troubleshooting the zAware appliance

The zAware appliance monitors LPAR message traffic. zAware establishes a standard traffic level for each monitored LPAR, and can be configured to issue notifications when the level of message traffic exceeds pre-defined thresholds. IBM Z OMEGAMON Monitor for z/OS and the Enhanced 3270 user interface both have workspaces from which you can view zAware monitoring data. If an error occurs in zAware, it is likely to have been caused during the initial configuration process. For more information about the zAware configuration process, see the *IBM Z OMEGAMON Monitor for z/OS: Planning and Configuration Guide*. There are several common causes for errors in the zAware appliance.

Confirm that the zAware appliance is receiving LPAR data

When you troubleshoot the zAware appliance, it might become necessary to confirm that LPAR data is being received. Follow these steps to confirm that the zAware appliance is receiving LPAR data, and that the zAware workspace is receiving zAware data.

Procedure

First, use the zAware browser interface to verify the LPARs that feed data to zAware

1. Start the logon process to zAware (<https://zaware.url/zAware/>). Use the appropriate URL address for your local zAware server. The IBM zAware login screen opens:
2. Go to the **Analysis** page.
3. Verify that zAware is receiving data from the table of LPARs on display.

If the zAware appliance is receiving LPAR data, the next step is to verify that the zAware workspace is receiving data from the zAware appliance.

1. Using either the Tivoli Enterprise Portal, or the Enhanced 3270 User Interface (enhanced 3270UI), open the zAware workspace.
2. In the **zAware Information** pane, check the values in the **Client Status** and **Server Status** fields
3. If the **Client Status** field displays a result other than Active Client, or the **Server Status** displays a result other than Available, data is not displayed in the zAware workspace.
4. Consult the *Situations* section of the *IBM Z OMEGAMON Monitor for z/OS: User Guide* for more information about the **Client Status** and **Server Status** values.

AT-TLS configuration errors after successful connection to zAware

AT-TLS configuration errors occur some time after you successfully connected to zAware.

Problem description

If after a period of successful connection to a zAware server, AT-TLS configuration errors occur, a possible cause is that the zAware appliance was updated with a new security certificate.

Symptoms of this problem are

- In the **zAware Analysis** workspace, the **zAware Server Status** shows a value of AT-TLS Configuration Error.
- The KM5_zAware_Server_Status situation raises an alert.
- You see an error message similar to the following in the RKLVLLOG file:

```
(0000-E0F0378B:kdebvtt.c,56,"KDEB_VerifyTTLS") <0x1F217400,0x38> EZBZTLSP QUERY failure, rc=-1, errno=89
```

Solution

Use RACF commands for AT-TLS to update the zAware certificate. For more information, see the AT-TLS Configuration task in the *IBM Z OMEGAMON Monitor for z/OS Planning and Configuration Guide*.

zAware cryptographic support

Your system must have cryptographic support recognized by the zAware server.

Problem description

The zAware Analysis workspace in either the OMEGAMON enhanced 3270 user interface or Tivoli Enterprise Portal presents a zAware Server Status of "AT-TLS Configuration Error".

Symptoms of this problem are that after completing the post PARMGEN configuration steps for IBM Z OMEGAMON Monitor for z/OS to define an AT-TLS policy supporting zAware you still see the zAware Server Status as AT-TLS Configuration Error.

Solution

If after ruling out possible problems with AT-TLS policy definitions, and zAware appliance certificate problems this condition persists you could be missing required cryptographic support modules. If running z/OS 1.13, check that FMID JCPT3D1 is applied. If running z/OS 2.1, check that FMID JCPT411 is applied. Look at your running pdsname.SIEALNKE (usually SYS1.SIEALNKE) for module names GSKSUS31, GSKS31F, GSKS64F, GSKC31F, GSKC64F and GSKSUS64.

The problem is fixed by installing the missing FMID. Then refresh LLA and recycle your PAGENT started task.

zAware error messages in system console and RKLVLLOG file

If zAware situations are exported to LPARs that are not being monitored by zAware, error messages are seen on the system console and in the RKLVLLOG file.

Messages such as the following are seen on the system console:

```
IXG231I IXGCONN REQUEST=CONNECT TO LOG STREAM zAware.LOG.STREAM DID 769
NOT SUCCEED FOR JOB M570DSST. RETURN CODE: 00000008 REASON CODE:
0000080B DIAG1: 00000000 DIAG2: 00000000 DIAG3: 00000000 DIAG4:
00000000
```

Messages such as the following are seen in the RKLVLLOG file:

```
KM5ZAI010I IXGQUERY Return code 00000008 Reason code 00000840
KM5ZAI012E zAware environment error.
(0000-D7288783:km5zaag,679,"TakeSample") km5zaag: KM5ZAIQY call failed, rc=8
```

To prevent these errors, do not distribute zAware situations to LPARs that are not being monitored by zAware.

Monitoring server prolonged startup and potential shutdown

This problem can occur if you upgrade to IBM Z OMEGAMON Monitor for z/OS (and later versions) and the OMEGAMON Management Console (HKHL410 FMID) component has a HL410 Agent that is configured in the same RTE as the IBM Z OMEGAMON Monitor for z/OS (M5) Agent.

About this task

Duplicate occurrences of the following message in the monitoring server RKLVLLOG file are an indication of this problem condition:

```
"Catalog information error, status = 202"
```

If obsolete ODI files KHLATR and KHLCAT from the OMEGAMON Management Console are present in the RKANDATV library, the z/OS monitoring server attempts to read them and this problem occurs.

Procedure

- If you used PARMGEN to configure and the problem is present, the RKANDATV library was not accessible to the **DELRUN** step in the PARMGEN WKANSAMU (KCIJPL0D) job. You must run this portion of the RTE Load job again when the RKANDATV library is available.

Troubleshooting no data conditions on the OMEGAMON enhanced 3270 user interface

You observe an empty or partially empty workspace/display when you log on to the OMEGAMON enhanced 3270 user interface (enhanced 3270UI).

Symptom: The enhanced 3270UI is installed and configured. The address space is started and users are able to log on, but the interface is displaying an empty workspace/display; for example, indicating No Sysplex Data, No Data, No MSN Found.

For more information about troubleshooting this problem, see [Troubleshooting no data conditions on the OMEGAMON Enhanced 3270 User Interface](#)

OMVS segment errors found in system log on z/OS v2.1 systems

You recently migrated to z/OS v2.1 and find errors similar to these in the system log when you launch the IBM Z OMEGAMON Monitor for z/OS monitoring agent:

```
ICH408I messages indicating OMVS SEGMENT INCOMPLETELY DEFINED
IST1926I SNAMGMT SERVER IS UNABLE TO ACCEPT CONNECTION REQUESTS
IST1927I SOCKET SELECT CALL FAILED - RC = 156 RSN = 0B0C00FA
```

As of z/OS V2R1, the ability to use default OMVS segments has been removed.

All z/OS UNIX users or groups must now have OMVS segments defined for user and group profiles with unique user IDs (UIDs) and group IDs (GIDs). One solution is to use RACF support to automatically generate unique UIDs and GIDs on demand for users and groups that do not have OMVS segments defined. Support for automatic unique UID and GID generation has been available since z/OS V1R11.

Verify your security definitions for the Communication Server Network Monitoring Interfaces (NMIs) and ensure that these interfaces initialize properly for both TCP/IP and VTAM® when running z/OS 2.1 and later.

To correct the RACF security definitions pertaining to these z/OS Communications Server network management interfaces (NMIs), use the RACF and z/OS Communications Server documentation to update old values for the following NMIs.

- EZBNMIFR
- SNAMGMT
- SYSTCPSM

Self-describing agent error messages

If errors occur during self-decription updates, console messages are issued by the agent.

Background

The IBM Z OMEGAMON Monitor for z/OS agent issues the following console messages when a self-description update completes successfully. The KRAA0001 message in the IBM Z OMEGAMON Monitor for z/OS RKLVL0G output indicates when self-description starts:

```
KRAA0001, Self-Describing Agent
Installation started for PRODUCT "M5", with TEMS "BVTREM1:CMS", VERSION_INFO
"product_vrmf=05100000;tms_package_vrmf=05100000;tps_package_vrmf=
05100000;tpw_package_vrmf=05100000;"., Producer(SDA_Install)
```


The KFASD101 message in the Tivoli Enterprise Monitoring Server hub or remote Tivoli Enterprise Monitoring Server RKLVLLOG output displays only if there are self-description updates. The messages display only if self-description operations completed successfully:

```
KFASD101 Self-Describing Install Completed Successfully for PRODUCT <M5>,  
VER <05100000>, ID <TMS>, IDVER 05100000
```

You might see more console messages as follows:

```
KFASD001 Detected that product <M5> version <05100000> id <TMS> id version  
<05100000> support files manually installed.
```

This message occurs when a hub or remote Tivoli Enterprise Monitoring Server finds that manually installed application data is already present.

Unsuccessful self description updates and suggested actions

The following conditions and associated console messages indicate that a self-description update did not complete successfully:

A hub or remote Tivoli Enterprise Monitoring Server finds that a previous attempt to retrieve self-description data from the agent failed when the monitoring server restarted.

```
KFASD007 Detected failure STATE <ME>, STATUS <1005>, SEEDSTATE < >, in a prior auto  
install of PRODUCT <M5> VERSION <05100000> ID <TMS> IDVER 05100000
```

Action:

1. Use the **tacmd login** command to authenticate with a hub monitoring server.
2. Use the **tacmd listappinstallrecs** command to check for the self-description update failure.
3. Use the **tacmd deleteappinstallrecs** command to delete the application data. This command resets the error and enables the self-describing enabled agent to retry.

Note: See the *IBM Tivoli Monitoring Command Reference* for the full syntax of **tacmd** commands.

Agent errors occur because the agent is unable to write to RKANDATV data set because of security authorization problems.

```
KRAA0003, Self-Describing Agent  
Register/Install failed with STATUS (1014/Unknown Error) for PRODUCT "M5", with TEMS  
"BVTREM1:CMS", VERSION_INFO  
"product_vrmf=05100000;tms_package_vrmf=05100000;tps_package_vrmf=05100000;tpw_package_  
rmf=05100000;"., Producer(SDA_Install)
```

Action: For more details, review the RKLVLLOG output of the hub Tivoli Enterprise Monitoring Server.

Tivoli Enterprise Monitoring Server errors occur during the propagation of self-description data.

```
KRAA0003, Self-Describing Agent  
Register/Install failed with STATUS (1011/System Error) for PRODUCT "M5",  
with TEMS "BVTREM1:CMS", VERSION_INFO  
"product_vrmf=0510 0000;tms_package_vrmf=05100000;tps_package_vrmf=  
05100000;tpw_package_vrmf=05100000;".,Producer(SDA_Install)
```

Action: For more details, review the RKLVLLOG output of the hub Tivoli Enterprise Monitoring Server.

Tivoli Enterprise Monitoring Server errors occur because an invalid Java path is specified during monitoring server configuration

```
KFASD102 Self-Describing Install Failed with STATUS <1011> for PRODUCT <M5>,  
VER <05100000>, ID <TMS>, IDVER <05100000>
```

Action: Check the Java path that you specified in the UNIX System Services directory: `/usr/lpp/RTE_USS_RTEDIR/&rtename/kds/support/TEMS/KDSDPROF`. Also check the `&hilev..&rtename.RKANDATV(KDSDPROF)` allocated to the Tivoli Enterprise Monitoring Server

where the SDA error is occurring. Be sure that you can locate the Java path by using the directory specification (remember, it is case-sensitive).

The following warning messages are expected behavior and can be ignored.

```
KRAA0016, Ignoring TEMA_SDA Configuration! Agent SDA package not found for  
PRODUCT "I5"., Producer(Self-Describing Agent Status)  
KRAA0016, Ignoring TEMA_SDA Configuration! Agent SDA package not found for  
PRODUCT "OB"., Producer(Self-Describing Agent Status)
```

Action: None required.

Collecting data for problem determination and save time resolving Problem Management Records (PMRs)

This technote details the data-gathering steps to follow before you contact IBM Support with a problem.

Collecting data early, even before opening the PMR, helps IBM Support quickly determine if:

- Symptoms match known problems (rediscovery).
- There is a non-defect problem that can be identified and resolved.
- There is a defect that identifies a workaround to reduce severity
- Locating root cause can speed development of a code fix.

For more information, see <http://www-01.ibm.com/support/docview.wss?uid=swg21287268>.

Chapter 2. Messages

The messages documented in this guide are issued by the IBM Z OMEGAMON Monitor for z/OS monitoring agent, including its OMEGAMON for MVS component, and EPILOG historical data reporter.

These messages use several different formats. Typically, the format is:

```
ccccnnnn
```

where

ccc

is the message identifier, consisting of two to four characters.

nnnn

is the message number

Some messages also contain a character appended to either the message identifier or the message number indicating the message type (Informational, Warning, Error). Other messages take the form of the product code (KPP) followed by a component identifier, followed by a message number (for example, KM2EXP00) or identifier (for example KM2EXPPFF).

Table 7 on page 43 lists the identifiers or product codes listed in for the products covered in this guide. Messages for the components of Tivoli Enterprise Monitoring Server are documented in the *IBM Tivoli Monitoring: Troubleshooting Guide*.

Table 7. Identifiers for messages in this guide.	
Prefix	Component
CI	common interface (OMNIMON base)
CNDL	OMEGAMON Subsystem (OMNIMON base)
CSAA, KCS	Common Storage Area Analyzer
DX	Degradation Exception Analyzer (DEXAN)
EA	OMNIMON Base batch reporter
EB	EPILOG base
ED, KED	DELTAMON
EP	EPILOG product
IA®, KIA	Impact Analysis
IN	Inspect
KEB	EPILOG base
KJI	JES2 interface
KM3	IBM Z OMEGAMON Monitor for z/OS
KM5	IBM Z OMEGAMON Monitor for z/OS
KMR	EPILOG batch reporter
KOE	IBM Z OMEGAMON Monitor for z/OS
KOM	OMEGAMON classic
KOS	IBM Z OMEGAMON Monitor for z/OS
KPM	EPILOG SAS interface

Table 7. Identifiers for messages in this guide. (continued)

Prefix	Component
KSB	Shared probes
OM, OM2, OMV, OM0	Classic OMEGAMON

This book provides additional information about these messages, including:

- Message text which appears on the same line as the message number
- A description of the system conditions that generated the message
- Suggested responses to the message

C Messages

CI0410 **INVALID COMMAND - ENTER ‘?’ FOR LIST**

Explanation

The command you entered is not an interface command.

System action

OMEGAMON ignores the command.

User response

Enter a proper interface command.

CI0411 **PARM MEMBER NAME MISSING**

Explanation

An EXEC command was issued but the member name was omitted.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying correct member name.

CI0412 **‘ID=’ MISSING - REENTER**

Explanation

A STOP command was issued but did not specify an ID, or had the wrong MODIFY ID to stop a subtask.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying the correct ID.

CI0413 **TASK ID TO STOP OR MODIFY MISSING - REENTER**

Explanation

A STOP command was entered without specifying an ID.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying the correct ID.

CI0414 **MISSING TASK TYPE TO START**

Explanation

A START command was entered without specifying a task, such as KM2CICS or OMVTAM.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying the correct task.

CI0415 **EXPECTED TASKID MISSING - REENTER**

Explanation

A Common Interface command requiring a task ID was entered without the task ID.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying the task ID.

CI0416 **'=' MISSING - REENTER**

Explanation

A parameter that requires a value was entered with the value omitted, for example:

```
START KM2CICS,ROWS,COLS=80,...
```

rather than

```
START KM2CICS,ROWS=24,COLS=80,...
```

System action

OMEGAMON ignores the command.

User response

Re-enter the command with an = and a value after the parameter name.

CI0417 **CUU ADDRESS MISSING - REENTER**

Explanation

A Common Interface start command with a unit keyword was issued without the required unit address.

System action

OMEGAMON ignores the command.

User response

Re-enter the command with a unit address.

CI0418 **VALUE MISSING - OR INVALID**

Explanation

A parameter requires a valid value which was not supplied.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying a valid value.

CI0419 **USER DATA NAME MISSING - REENTER**

Explanation

A Common Interface start command with a user keyword was issued without the required user module suffix.

System action

OMEGAMON ignores the command.

User response

Re-enter the command with a user module suffix.

CI0420 **SYSTEM ID MISSING - REENTER**

Explanation

A Common Interface start command with a SYS keyword was issued without the required system ID.

System action

OMEGAMON ignores the command.

User response

Re-enter the command with a system ID.

CI0421 **SYSTEM MODE MISSING - REENTER**

Explanation

A Common Interface start command with a MODE keyword was issued without the required ID.

System action

OMEGAMON ignores the command.

User response

Re-enter the command with a system mode.

CI0425 **YES OR NO REQUIRED - REENTER**

Explanation

YES or NO was not specified in a parameter where it is required.

System action

OMEGAMON ignores the command.

User response

Re-enter the command, specifying YES or NO.

CI0510 **ATTACH PROCESSING - TASK**
 ID=cccccccc

Explanation

A Common Interface EXEC or START command has initiated a process to start a new task. The task identifier is cccccccc.

System action

Attach processing continues.

User response

None. This message is informational only.

CI0530 **DUPLICATE TASK ID - TASK NOT**
 STARTED

Explanation

This message follows CI0510. It indicates that a task with the identifier named in the CI0510 message is already active. The ID associated with a Common Interface task must be unique.

System action

Attach processing for the new task terminates.

User response

Add the 'ID' keyword to the task's START command, or terminate the executing task and start the new task again.

CI0531 **ID=cccccccc PROGRAM=aaaaaaaa**

Explanation

The Common Interface also issued message CI0530. This message displays the task ID (cccccccc) and program name (aaaaaaaa) associated with message CI0530.

System action

None.

User response

Use this task ID (cccccccc) to STOP the task.

CI0532 **TASK AREA NOT AVAILABLE -**
 TASK NOT STARTED

Explanation

This message follows CI0510. It indicates that memory is not available to build a work area needed by the Common Interface to start a new task.

System action

Attach processing for the new task terminates.

User response

If the problem persists, restart the Common Interface with a larger REGION size, or eliminate any currently executing tasks that are no longer needed.

CI0533 **REQUESTED LOAD MODULE NOT**
 FOUND - cccccccc

Explanation

Module cccccccc was not found in a JOB, STEP, or LPA library.

System action

Attach processing terminates.

User response

Place a copy of the appropriate module in a JOB, STEP, or LPA library. An IPL with CLPA is required for LPA library placement to activate the module.

CI0534 **ATTACH FAILED FOR TASK**
 cccccccc

Explanation

This message follows CI0510. Attach processing failed for the cccccccc task.

System action

Attach processing for the new task terminates.

User response

Contact IBM Software Support.

CI0535 **DUPLICATE ID - TASK NOT**
 STARTED

Explanation

An attempt was made to start a task with an ID identical to that of another task already running under the Common Interface.

System action

The new task does not start.

User response

Re-enter the command with a unique task ID.

CI0536 **ID=cccccccc PROGRAM=aaaaaaaa**

Explanation

The Common Interface also issued message CI0535. This message displays the task ID (cccccccc) and program name (aaaaaaaa) associated with message CI0535.

System action

The new task does not start.

User response

Re-enter the command with a unique task ID.

CI0537 **Common Interface - UNABLE TO
OBTAIN TASK AREA**

Explanation

There is insufficient storage for the Interface to obtain a work area for the starting task.

System action

OMEGAMON ignores the Common Interface start command.

User response

Check for error messages on the system console that might provide a reason for the failure. Once the source of the storage constraint is corrected, retry the START command. If this problem persists, increase the region size.

CI0542 **STOP ID NOT FOUND**

Explanation

The STOP command specified an ID that is not active.

System action

Processing terminates.

User response

Use the DISPLAY or LIST command to display the active task IDs.

CI0543 **THE FOLLOWING TASK IDS ARE
ACTIVE:**

Explanation

The DISPLAY or LIST command shows which tasks are active.

System action

None.

User response

None. This is an informational message only.

CI0544 **JSCB BUILD FAILED - TASK NOT
STARTED**

Explanation

This message follows CI0510. A JSCB control block needed by the Common Interface to start a new task could not be built.

System action

Attach processing for the new task terminates.

User response

Check the system console for related error messages and contact support.

CI0545 **CSCB BUILD FAILED - TASK NOT
STARTED**

Explanation

This message follows CI0510. A CSCB control block needed by the Common Interface to start a new task could not be built.

System action

Attach processing for the new task terminates.

User response

Check the system console for related error messages and contact IBM Software Support.

CI0546 **GETMAIN FAILED FOR SP230
PARAMETER WORK AREA**

Explanation

The Common Interface was unable to acquire a parameter work area in subpool 230 that is used by subtasks attached with a system key specification.

System action

The subtask creation request is ignored.

User response

Contact IBM Software Support.

CI0550	TASK BUSY - MODIFY MESSAGE NOT SENT TO TASK
---------------	--

Explanation

A request was made to the Common Interface to issue an MVS modify command to a subtask, but the subtask is not currently accepting modify commands.

System action

OMEGAMON ignores the modify request.

User response

Retry the command.

CI0551	MODIFY MESSAGE SENT TO TASK
---------------	------------------------------------

Explanation

The Common Interface honored a MODIFY command.

System action

The Common Interface issues the modify command to the subtask.

User response

None. This is an informational message only.

CI0552	TASK TO MODIFY NOT FOUND
---------------	---------------------------------

Explanation

A request was made to the Common Interface to issue a modify command to a subtask whose ID (specified in the MODIFY command) cannot be found among the currently active subtasks.

System action

OMEGAMON ignores the modify request.

User response

Use the LIST command to determine which tasks are active to the Common Interface. Correct the task ID and reissue the MODIFY command.

CI0553	DYNAMIC ALLOCATION FOR SNAP FILE FAILED, ERROR=aaaaa, REASON=bbbbbb, RI5=cccc.
---------------	---

Explanation

When the DSNAPON command is presented to the Common Interface, it attempts to dynamically allocate the response time collector SNAP debugging file. Should an error occur during the allocation process, this message displays showing the error codes returned by the supervisor allocation routines. Note that the Common Interface only uses dynamic allocation for the response time collector SNAP file in the absence of a DSNAPDD data definition statement.

System action

The response time collector SNAP debugging file does not allocate or open.

User response

The error, reason, and return codes in this message are described in the IBM *MVS Job Management Manual*. Correct the source of the error message and retry the allocation. Alternatively, a DSNAPDD data definition statement can be included in the Common Interface JCL stream, thereby avoiding the need to use dynamic allocation.

CI0560	RKANPAR DATASET OPEN ERROR
---------------	-----------------------------------

Explanation

The *rhilev*.RKANPAR dataset could not be opened.

System action

EXEC processing terminates.

User response

Check that the RKANPAR DD statement is in the JCL for this region. Check that the dataset has the proper attributes (see the installation documentation). Contact IBM Software Support for assistance.

CI0561	INVALID LRECL OF RKANPAR - NOT LRECL=80
---------------	--

Explanation

The *rhilev*.RKANPAR dataset does not have an LRECL of 80.

System action

EXEC processing terminates.

User response

Check and correct the LRECL of the *rhilev*.TOBDATA dataset.

CI0562 **MEMBER NOT FOUND IN DATASET**

Explanation

A member name was specified in the EXEC command, but that member does not exist in the *rhilev*.RKANPAR dataset.

System action

EXEC processing terminates.

User response

Check the member name entered and re-enter the correct name.

CI0563 **ERROR OBTAINING A BUFFER FOR READING RKANPAR**

Explanation

The Common Interface was unable to obtain an I/O buffer for reading the *rhilev*.RKANPAR dataset. This is probably the result of a severe storage shortage in the system.

System action

EXEC processing terminates.

User response

Try the command later when storage use lessens. Increase the region size if this condition persists.

CI0564 **ERROR OBTAINING AN INPUT AREA FOR RECORD**

Explanation

The command processor could not obtain an input cell for a record from the *rhilev*.RKANPAR dataset. EXEC processing terminates.

User response

Try the command later when core use lessens. Increase the region size if this condition persists.

CI0565 **EXEC LIMIT EXCEEDED**

Explanation

You reached the limit of ten EXEC members to be processed per command invocation. This limit prevents a possible loop in the EXEC process where member A EXECs B and member B EXECs A.

System action

EXEC processing terminates.

User response

Check that the EXEC members do not cause EXEC loops. Reorganize the commands to be executed to fewer than ten members total.

CI0567 **KEY VALUE OUT OF RANGE, MUST BE 0-7**

Explanation

The KEY= keyword may only specify keys 0-7. Key 8 is used by V=V problem programs and keys 9-15 are reserved for V=R problem programs.

System action

OMEGAMON ignores the request.

User response

Specify a valid KEY= keyword value.

CI0580 ***** NO TASKS ARE ACTIVE *****

Explanation

OMEGAMON issues this message in response to a DISPLAY or LIST command when no tasks are active.

System action

None.

User response

None. This is an informational message only.

CI0585 **ERROR READING RKANPAR MEMBER - SYNAD MESSAGE:**

Explanation

A system error occurred while processing a member of the *hilev*.RKANPAR dataset. A SYNAD message follows.

System action

Command processing terminates.

User response

Check the SYNAD message for cause of the error.

CI0586	FREEMAIN FAILED FOR SP230 PARAMETER WORK AREA FOLLOWING ATTACH FAILURE
---------------	---

Explanation

The Common Interface was unable to freemain the parameter work area in subpool 230 that is used by subtasks attached with a system key specification. This occurred after the subtask attach attempt failed.

System action

None.

User response

Contact IBM Software Support.

CI0587	FAILURE TO FREE CSCB
---------------	-----------------------------

Explanation

The command scheduling control block used by tasks that run under the Common Interface could not be unallocated.

System action

The CSCB storage, if any, is not freed.

User response

None. This is an informational message only.

CI0588	FAILURE TO FREE JSCB
---------------	-----------------------------

Explanation

The job step control block acquired by the Common Interface on behalf of one of its subtasks could not be released.

System action

The JSCB storage, if any, is not freed.

User response

None. This is an informational message only.

CI0592	TASK ID=XXXXXXXX HAS BEEN STOPPED VIA POST
---------------	---

Explanation

The Common Interface honored a STOP command.

System action

The Common Interface requests the subtask to stop.

User response

None. This is an informational message only.

CI0593	TASK ID=XXXXXXXX HAS BEEN STOPPED VIA DETACH (STAE=YES)
---------------	--

Explanation

The Common Interface processed a STOP command where the DETACH=Y parameter was specified.

System action

The Common Interface detaches the subtask which may result in an ABEND 33E.

User response

None. This is an informational message only.

CI0594	ID=cccccccc PROGRAM=aaaaaaaa
---------------	-------------------------------------

Explanation

The Common Interface also issued message CI0592. This message displays the task ID (cccccccc) and program name (aaaaaaaa) associated with message CI0592.

System action

None.

User response

None. This is an informational message only.

CI0603	SYMBOL NOT DEFINED: ccccccccc
---------------	--------------------------------------

Explanation

The symbol displayed is not known to the command processor.

System action

Command processing terminates.

User response

Check the input for spelling.

CI0604 **AMBIGUOUS SYMBOL: cccccccccc**

Explanation

The symbol entered cannot be uniquely identified.

System action

Command processing terminates.

User response

Spell out the command operand more fully.

CI0605 **INVALID INPUT VALUE:**

Explanation

The input value received is not valid for the symbol.

System action

Command processing terminates.

User response

Check to see if the value is correct or respecify differently, for example, as 43 instead of 0043 in number of ROWS on the terminal screen.

CI0606 **EXPECTED CONTINUATION NOT RECEIVED**

Explanation

An input statement had a continuation indication but was the last statement input to the command processor.

System action

This command processing terminates.

User response

Add a continuation statement or remove the continuation indicator.

CI0607 **EXPECTED INPUT NOT RECEIVED**

Explanation

A command is expecting some input options but they were not specified (for example, ROWS=).

System action

Command processing terminates.

User response

Specify the required options.

CI0608 **ERROR IN FREE CELL ROUTINE**

Explanation

The parser had an error trying to free an input command cell.

System action

Processing terminates.

User response

Contact IBM Software Support for assistance.

CI0609 **ERROR IN FREE POOL ROUTINE**

Explanation

The parser had an error trying to free the input command pool.

System action

Processing terminates.

User response

Contact IBM Software Support for assistance.

CI0698 **ERROR CARD FOLLOWS**

Explanation

Issued together with CI0699 and other CI0nnn error messages to show the invalid input.

System action

Command processing terminates.

User response

Refer to the User Response on the accompanying CIInnn error message.

CI0699 **INPUT CARD**

Explanation

Issued together with CI0698 and other CI0nnn error messages to show the invalid input.

System action

Command processing terminates.

User response

Refer to the User Response on the accompanying CIInnn error message.

**CI0700 OMEGAMON Common Interface
READY FOR COMMANDS**

Explanation

The Interface enters a WAIT state to wait for commands to process.

System action

The Interface waits.

User response

The Interface is now ready to accept commands via MODIFY.

CI0715 MODIFY IGNORED

Explanation

The Interface is not in a state where it accepts the MODIFY command.

System action

Command processing terminates.

User response

Reissue the command.

CI0720 PROCESS MESSAGES FOLLOW

Explanation

Informational and error messages generated during command processing follow.

System action

None.

User response

None. This is an informational message only.

**CI0722 SUBTASK LOOP IDENTIFICATION
AND ANALYSIS IN PROGRESS**

Explanation

The Common Interface detected a looping condition in one of its subtasks.

System action

The Common Interface attempts to identify the looping subtask. The Common Interface will not accept any commands while task-level loop checking is in progress.

User response

Determine why the subtask was looping. Correct the problem and restart the subtask.

**CI0723 LOOPING Common Interface
SUBTASK SCHEDULED FOR
TERMINATION**

Explanation

The Common Interface identified a looping subtask and scheduled it for termination. Message CI0724 accompanies this one.

System action

OMEGAMON forcibly detaches the looping subtask and generates a SNAP dump (ddname: SNAPFILE).

User response

See accompanying message CI0724 for the name and ID of the looping program. Examine the SNAP dump to determine why the subtask was looping. Correct the problem and restart the subtask. If necessary, contact IBM Software Support with the dump information.

CI0724 ID=cccccccc PROGRAM=aaaaaaaa

Explanation

The subtask specified by the task ID (cccccccc) and program name (aaaaaaaa) is scheduled for termination because of a suspected looping condition. This message accompanies CI0723.

System action

Processing continues.

User response

This is an informational message only. See accompanying message CI0723.

CI0725 ZERO POINTER TO CIB FOUND

Explanation

An unexpected condition occurred and an abend may result.

System action

Processing tries to continue.

User response

If an abend occurs, let the Interface retry. Contact IBM Software Support for assistance.

CI0726 SUBTASK LOOP IDENTIFICATION AND ANALYSIS COMPLETED SUCCESSFULLY

Explanation

The Common Interface completed its analysis of subtask CPU utilization. Commands will now be accepted normally.

System action

None.

User response

None. This is an informational message only.

CI0727 SUBTASK LOOP IDENTIFICATION AND ANALYSIS TERMINATED WITHOUT RESOLUTION

Explanation

The Common Interface terminated its analysis of subtask CPU utilization. This occurred because a subtask terminated (normally or abnormally), or the Common Interface was unable to isolate the errant subtask.

System action

None.

User response

None. This is an informational message only.

CI0730 TERMINATION REQUEST ACKNOWLEDGED

Explanation

The Common Interface acknowledges the user's stop command.

System action

The Common Interface begins termination processing.

User response

None. This is an informational message only.

CI0731 COMMAND PARSE COMPLETED WITH CRITICAL ERRORS

Explanation

The parsing of the command results in a failure of the parser.

System action

OMEGAMON ignores the command.

User response

Contact IBM Software Support for assistance and have a copy of the input available.

CI0732 FREE INPUT CELL CRITICAL ERROR

Explanation

Command processing is complete but the Interface is unable to release the input message cell.

System action

Processing continues.

User response

Contact IBM Software Support for assistance.

CI0734 FREE INPUT POOL CRITICAL ERROR

Explanation

Command processing is complete but the Interface was unable to release the input message pool.

System action

Command processing continues.

User response

Contact support for assistance.

CI0735 KOBICIIPn LOAD ERROR

Explanation

The Common Interface was unable to load the parser and command processing routines. *n* is an operating system identifier from 1–4.

System action

The Common Interface terminates the command.

User response

Make sure KOBICIIPn is in a load library accessible to the Common Interface.

CI0736 FREE MESSAGE CELL CRITICAL ERROR

Explanation

Command processing is complete but the Interface is unable to release the output message cell.

System action

Command processing continues.

User response

Contact IBM Software Support for assistance.

CI0738 FREE MESSAGE POOL CRITICAL ERROR

Explanation

Command processing is complete but the Interface is unable to release the output message pool.

System action

Command processing continues.

User response

Contact IBM Software Support for assistance.

CI0740 UNABLE TO OBTAIN STORAGE FOR COMMAND

Explanation

Common Interface is unable to obtain the storage required to process a command.

System action

None.

User response

Increase the region available to the Common Interface.

CI0741 PROCESS GET CELL ERROR: CMD IGNORED

Explanation

The Interface is unable to get an input command cell in which to place the command to process.

System action

OMEGAMON ignores the command.

User response

The lack of available virtual storage may cause the error. Reissue the command when storage usage lessens. If the problem persists, increase the region size. Contact IBM Software Support for assistance.

CI0750 MESSAGES PRIOR TO ERROR

Explanation

After an error is detected and retry started, the messages that resulted appear.

System action

None.

User response

Note which processes completed. Contact IBM Software Support for assistance.

CI0756 ATTACH FAILED

Explanation

An attach of a Common Interface subtask failed.

System action

None.

User response

Check for messages on the system console, and contact IBM Software Support.

CI0759	TASK-LEVEL LOOP CHECKING IN PROGRESS
---------------	---

Explanation

The Common Interface is monitoring individual subtasks for excessive CPU utilization. No commands will be accepted while task-level loop checking is in progress.

System action

OMEGAMON ignores the request.

User response

Retry the request after task-level loop checking has completed.

CI0760	PROCESSING COMMAND
---------------	---------------------------

Explanation

The processing of the command entered using the MODIFY begins.

System action

Command processing starts.

User response

None. This is an informational message only.

CI0762	FREE MESSAGE CELL CRITICAL ERROR
---------------	---

Explanation

Cleanup routine after an error is unable to free up message cells.

System action

Cleanup continues.

User response

Contact IBM Software Support for assistance.

CI0764	FREE MESSAGE POOL CRITICAL ERROR
---------------	---

Explanation

Cleanup routine after an error is unable to free up message pool.

System action

Cleanup continues.

User response

Contact IBM Software Support for assistance.

CI0770	INPUT AT TIME OF ERROR **
---------------	----------------------------------

Explanation

OMEGAMON displays the command processing at the time of the error.

System action

Cleanup continues.

User response

Contact support for assistance.

CI0772	FREE MESSAGE CELL CRITICAL ERROR
---------------	---

Explanation

The input message cells could not be freed.

System action

Cleanup continues.

User response

Contact IBM Software Support for assistance.

CI0774	FREE MESSAGE POOL CRITICAL ERROR
---------------	---

Explanation

The input message pool could not be freed.

System action

Cleanup continues.

User response

Contact IBM Software Support for assistance.

CI0787	FAILURE TO FREE CSCB
---------------	-----------------------------

Explanation

This message indicates either an internal error or storage corruption.

System action

The subtask termination cleanup continues.

User response

Contact IBM Software Support for a problem number and instructions for forwarding the following documentation: a log of the debug screen space sequence and any dumps produced by the Common Interface address space or related TSO address space.

CI0788 FAILURE TO FREE JSCB

Explanation

This message indicates either an internal error or storage corruption.

System action

The subtask termination cleanup continues.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

**CI0789 FREEMAIN FAILED FOR
SP230 PARAMETER WORK
AREA FOLLOWING SUBTASK
TERMINATION**

Explanation

The Common Interface was unable to freemain the parameter work area in subpool 230 that is used by subtasks attached with a system key specification. This occurred after the subtask terminated normally or abnormally.

System action

None.

User response

Contact IBM Software Support.

**CI0798 INVALID RETURN FROM
TERMINATION CALL**

Explanation

Internal error. This message should be accompanied by abend U798.

System action

The Common Interface abnormally terminates.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

**CI0799 UNABLE TO LOCATE RECOVERY
HEADER**

Explanation

Internal error. This message should be accompanied by abend U799.

System action

The Common Interface abnormally terminates.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

**CI0900 Common Interface
INITIALIZATION**

Explanation

The Common Interface is beginning initialization.

System action

Initialization continues.

User response

None. This is an informational message only.

**CI0901 GLOBAL ADDRESS SPACE VECTOR
TABLE BUILD FAILED**

Explanation

The GETMAIN for the LSQA to hold the vector table failed.

System action

The Common Interface terminates.

User response

Contact IBM Software Support.

**CI0931 SUBTASK ERROR RECOVERY
DETECTED INVALID ISDA**

Explanation

This error is caused either by an internal error or by the corruption of virtual storage.

System action

The subtask terminates.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

**CI0935 RETRY FROM Interface A ERROR
RECOVERY**

Explanation

Interface D abnormally terminated and control has passed back to Interface A.

System action

System action is dependent on the response made to message CI0995, which always immediately follows this message.

User response

Respond to message CI0995.

**CI0938 ERROR ENCOUNTERED
ATTEMPTING TO SERIALIZE NON-
SWAPPABILITY**

Explanation

The Common Interface was unable to successfully enqueue upon a step-level resource used to regulate non-swapability.

System action

The Common Interface terminates.

User response

Contact IBM Software Support.

CI0940 MODULE KOBCCIIDn NOT FOUND

Explanation

The Common Interface could not find module KOBCCIIDn. n is an operating system identifier from 1–4.

System action

The Common Interface does not initialize.

User response

Verify that KOBCCIIDn is installed in the Common Interface's JOBLIB/STEPLIB, and restart the Common Interface.

CI0941 LINK FAILED - Interface D

Explanation

The link to OBCIID was unsuccessful.

System action

The Common Interface terminates.

User response

Check the JES job log for messages. The most Common reason for this failure is that OBCIID is not available from the STEPLIB of the Common Interface.

**CI0951 PLACE MODULE cccccccc IN A
JOB/STEP/LPA LIBRARY**

Explanation

An error (that was logged in a message preceding this one) is caused by the absence of the indicated module.

System action

It depends on the error logged in the previous message.

User response

Respond as indicated in the previous message.

**CI0952 REPLY GO, STOP (TERMINATES
Common Interface OPERATION),
OR HELP**

Explanation

See System Action and User Response.

System action

Interface retries, or termination of the Common Interface, depending on the response to the message.

User response

A response of GO retries initiation of the Interface. Precede this response with corrective action to address the cause of the problem, such as placing a new, good copy of a program in a library. STOP terminates the Common Interface. HELP produces an explanatory message and reissues the WTOR.

CI0960	ENVIRONMENT MISMATCH, SYSTEM MUST BE MVS/SP 1.3 OR HIGHER
---------------	--

Explanation

The Common Interface was started in an operating system that does not support its functions.

System action

The Common Interface does not initialize.

User response

None. This is an informational message only.

CI0961	ENVIRONMENT MISMATCH, 370 VERSION IN XA, OR XA VERSION IN 370
---------------	--

Explanation

The Common Interface was started in an incompatible operating system.

System action

The Common Interface does not initialize.

User response

Verify that the correct version of the Common Interface is installed.

CI0968	Common Interface REQUIRES APF-AUTHORIZATION
---------------	--

Explanation

The Common Interface determined that it did not possess APF authorization.

System action

The Common Interface terminates with a U0968 abend.

User response

Make sure the Common Interface load modules reside in an APF-authorized library.

CI0969	Common Interface MUST EXECUTE AS PRIMARY NON-SYSTEM JOB STEP TASK
---------------	--

Explanation

The Common Interface must run as the primary non-system job step task in the address space. Typically, this requirement is satisfied when the Common Interface is attached by IEESB605 (started task control) when run as a started task, or by IEFIIC (initiator Interface control) when run as a batch job. The Common Interface is not designed to run in a TSO environment under the TMP (terminal monitor program).

System action

The Common Interface terminates.

User response

Contact IBM Software Support.

CI0970	OMEGAMON SUBTASK ABEND CODE=cccccccc PSW=aaaaaaaaaaaaaaaa TCB=bbbbbbbb
---------------	---

Explanation

A subtask of the Common Interface abended. This message displays the abend code, the PSW at time of abend, and the address of the abending task's TCB display.

System action

The subtask produces a system termination dump.

User response

Contact IBM Software Support.

CI0971	PROGRAM NAME=cccccccc
---------------	------------------------------

Explanation

This message follows CI0970 when a subtask abend occurs, and identifies the program that was given control when the subtask was started.

System action

The subtask abnormally terminates.

User response

Restart the failing subtask.

CI0985	SUBTASK ID=XXXXXXXXX FORCIBLY DETACHED
---------------	---

Explanation

A Common Interface module (KOBICRT0) detected that a subtask of the Common Interface was detached by its mother task while the subtask was still active.

System action

None.

User response

This may or may not be an error. If the subtask's mother task was requested to stop, then no error occurred.

CI0995	Interface A ERROR RECOVERY RETRY - ENTER 'GO', 'STOP', OR 'HELP'
---------------	---

Explanation

The Common Interface has abended and requests a response from the operator.

System action

The Interface restarts or the Common Interface terminates, depending on the response to the message.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

CI0997	INVALID RETURN FROM TERMINATION CALL
---------------	---

Explanation

Internal error. This message should be accompanied by abend U997.

System action

The Common Interface abnormally terminates.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

CI0998	UNABLE TO LOCATE RECOVERY HEADER
---------------	---

Explanation

Internal error. This message should be accompanied by abend U998.

System action

The Common Interface abnormally terminates.

User response

Follow the instructions given in the Preface, then contact IBM Software Support.

CI0999	LOAD OF OBCIGL FAILED
---------------	------------------------------

Explanation

The Common Interface was unable to load the global address space vector table service routine.

System action

The Common Interface terminates.

User response

Make sure OBCIGL is in a load library accessible to the Common Interface.

CNCADBG08	<i>area type</i> CURRENT SIZE(<i>current</i>) NEW SIZE(<i>new</i>)
------------------	---

Explanation

area type is either CF or STR. An IXCQUERY macro failed because the answer area is too small. The answer area is being reallocated.

System action

An attempt will be made five times to reissue the IXCQUERY macro.

User response

None required.

CNCADBG09	when FLIP FLOP typeADR(new address) typeLEN(new length),typeADRO(old address),typeLENO(old length)
------------------	---

Explanation

when is either PRE or POST. *type* is either CF or STR. OMEGAMON is switching (“flip-flopping”) the new and old address and length fields. This is an informational message.

System action

Processing continues.

User response

None required.

CNCADBG10	COMPARE RESULTS D\$CFLG(results)
------------------	---

Explanation

results will be either ‘20’ (a STOP command was received) or ‘10’ (the answer area addresses are valid). This is only an informational message.

System action

Processing continues.

User response

None required.

CNDL001I	OMEGAMON Subsystem V999” INITIALIZATION - SSID = cccc
-----------------	--

Explanation

OMEGAMON subsystem address space initialization processing has begun. The subsystem version number is “999”, and the MVS subsystem identifier is cccc.

System action

OMEGAMON subsystem processing continues.

User response

None. This message is informational only.

CNDL002I	CANDLE SUBSYSTEM V999 TERMINATED - SSID = cccc
-----------------	---

Explanation

OMEGAMON subsystem address space termination processing has completed. The subsystem version number is “999”, and the MVS subsystem identifier is cccc.

System action

The OMEGAMON subsystem address space terminates.

User response

None. This message is informational only.

CNDL003A	CANDLE SUBSYSTEM INITIALIZATION FAILED - REGION TOO SMALL
-----------------	--

Explanation

The OMEGAMON subsystem address space could not obtain enough private-area storage to complete initialization.

System action

The OMEGAMON subsystem address space terminates.

User response

Increase the REGION specification included in the address space start-up JCL.

CNDL004A	CANDLE SUBSYSTEM REQUIRES APF AUTHORIZATION
-----------------	--

Explanation

The OMEGAMON subsystem address space must execute from an APF-authorized library.

System action

The OMEGAMON subsystem address space terminates.

User response

APF-authorize the OMEGAMON subsystem’s load library.

CNDL005A	CANDLE SUBSYSTEM RECEIVED CONTROL IN AN AUTHORIZED KEY
-----------------	---

Explanation

The OMEGAMON subsystem address space received control in execution key 0–7. The Subsystem must be installed to receive control in a non-authorized key. Only APF-authorization is required.

System action

The OMEGAMON subsystem address space terminates.

User response

Use the correct procedure to install the OMEGAMON subsystem.

CNDL006A **cccccccc KEYWORD VALUE
INVALID**

Explanation

The value of the ccccccc keyword is not valid.

System action

The request associated with the keyword is rejected. The nature of the request determines the action taken. For example, if a OMEGAMON subsystem start parameter is found in error, the Subsystem address space terminates. If an operator command keyword is in error, the command is rejected.

User response

Correct the keyword specification.

CNDL007A **cccccccc KEYWORD OCCURS
MULTIPLE TIMES**

Explanation

The ccccccc keyword occurs multiple times in a single Subsystem request.

System action

The request associated with the keyword is rejected. The nature of the request determines the action taken. For example, if a OMEGAMON subsystem start parameter is found multiple times, the Subsystem address space terminates. If an operator command keyword is found multiple times, the command is rejected.

User response

Correct the keyword specification.

CNDL009I **SSCVT CHAIN ENTRY INVALID -
ADDRESS X'xxxxxxxx'**

Explanation

The SSCVT chain entry at storage location X'xxxxxxxx' is not formatted correctly. During initialization, the OMEGAMON subsystem found the invalid entry while looking for its own SSCVT entry. The Subsystem cannot complete initializing without its SSCVT entry.

System action

The OMEGAMON subsystem address space terminates.

User response

Correct the cause of the SSCVT entry formatting error and correct the entry.

CNDL010A **CANDLE SUBSYSTEM IS NOT
DEFINED - SSID = cccc**

Explanation

The OMEGAMON subsystem identifier cccc has not been defined as an MVS subsystem. The identifier must be defined to MVS during Subsystem installation. A system IPL is required before the new definition becomes effective.

System action

The OMEGAMON subsystem address space terminates.

User response

Review the OMEGAMON subsystem installation procedures. Verify that subsystem definition statements have been added to the appropriate IEFSSNcc member in SYS1.PARMLIB.

CNDL013I **CANDLE SUBSYSTEM INITIALIZED
WITH "RESTART=FORCE"**

Explanation

The OMEGAMON subsystem address space start parameter included the keyword RESTART=FORCE. This keyword causes Subsystem initialization to continue even if another OMEGAMON subsystem address space is active. RESTART=FORCE should not be used unless repeated attempts to start the Subsystem result in message CNDL018I and it is known that no other OMEGAMON subsystem address space is active.

System action

The OMEGAMON subsystem address space remains active.

User response

None. This message is informational only.

CNDL014A	SUBSYSTEM INITIALIZATION MODULE KCNDLINT DID NOT RUN SUCCESSFULLY
-----------------	--

Explanation

OMEGAMON subsystem initialization module KCNDLINT did not run successfully during the system IPL.

System action

The OMEGAMON subsystem address space terminates.

User response

An IPL is needed to complete the installation of the OMEGAMON subsystem. If an IPL was done, check the SYSLOG for messages to determine why KCNDLINT did not execute. Make sure you complete all OMEGAMON subsystem installation steps and perform an IPL before starting the OMEGAMON subsystem address space.

CNDL018I	CANDLE SUBSYSTEM ALREADY ACTIVE - nnnnnnnn iiii
-----------------	--

Explanation

The address space producing this message has determined that the OMEGAMON subsystem address space is already active. The name of the already-active address space is *nnnnnnnn*; its address space identifier is *iiii*.

System action

The address space producing this message terminates.

User response

None. This message is informational only.

CNDL019W	CONDITIONAL STORAGE REQUEST FAILED - cccccccc
-----------------	--

Explanation

The Subsystem has attempted and failed to obtain private-area storage. The name of the requesting routine is *ccccccc*.

System action

The OMEGAMON subsystem address space remains active.

User response

No immediate action is necessary. However, other messages requiring specific action may appear as a result of the failed storage request. If this message appears frequently, it may be necessary to increase the value of the REGION parameter for the Subsystem address space.

CNDL020A	START PARAMETER STRING SYNTAX ERROR
-----------------	--

Explanation

The syntax of the parameter string passed to the Subsystem during initialization is in error.

System action

The OMEGAMON subsystem address space terminates.

User response

Correct the parameter string error and restart the Subsystem address space.

CNDL021I	RKANPAR FILE OPEN ERROR - RC = X'xxxxxxxx'.
-----------------	--

Explanation

The RKANPAR file failed to open. The error code returned by IBM OPEN processing was X'xxxxxxxx'.

System action

The OMEGAMON subsystem address space remains active. Depending on the severity of the error, additional Subsystem messages may appear.

User response

Check the console for any additional Subsystem or IBM-component messages. If the error's cause cannot be determined, contact IBM Software Support.

CNDL022I	RKANPAR FILE FAILED TO OPEN
-----------------	------------------------------------

Explanation

The RKANPAR file failed to open. There was no error code returned by IBM OPEN processing.

System action

The OMEGAMON subsystem address space remains active. Depending on the severity of the error, additional Subsystem messages may appear.

User response

Check the console for any additional Subsystem or IBM-component messages. If the cause of the error cannot be determined, contact IBM Software Support.

CNDL024I **cccccccc MEMBER mmmmmmmm NOT FOUND**

Explanation

The mmmmmmmm PDS member could not be found. The ddname associated with the PDS is cccccccc.

System action

The OMEGAMON subsystem address space remains active.

User response

Verify that the PDS member name was specified correctly and retry the Subsystem request.

CNDL027I **FUNCTION cccccccc STARTED**

Explanation

Function cccccccc has been started by the Subsystem. The function is now available for use by other IBM Tivoli products.

System action

The OMEGAMON subsystem address space remains active.

User response

None. This message is informational only.

CNDL030I **FUNCTION cccccccc STOPPED**

Explanation

Function cccccccc has been stopped by a user request. The function is no longer available for use by other IBM Tivoli products.

System action

The OMEGAMON subsystem address space remains active.

User response

None. This message is informational only.

CNDL032I **FUNCTION cccccccc STOPPED BY THE SUBSYSTEM**

Explanation

Function cccccccc has been stopped by the Subsystem. The function is no longer available for use by other IBM Tivoli products. The Subsystem has stopped the function as a result of an error or Subsystem address space termination.

System action

The OMEGAMON subsystem address space remains active.

User response

None. This message is informational only.

CNDL034I **SUBSYSTEM START MEMBER cccccccc**

Explanation

RKANPAR member cccccccc was used as the Subsystem initialization member during Subsystem start-up.

System action

The OMEGAMON subsystem address space remains active.

User response

None. This message is informational only.

CNDL100I **I/O SERVICES NOT AVAILABLE**

Explanation

An error has occurred causing the termination of the dynamic I/O configuration subsystem. This message should be accompanied by another message explaining the error.

System action

The routine terminates.

User response

Follow the response for the accompanying message.
Contact IBM Software Support if necessary.

CNDL101A	UNABLE TO OBTAIN PRIVATE STORAGE, DYNAMIC I/O SERVICES NOT AVAILABLE
-----------------	---

Explanation

The dynamic I/O configuration monitor initialization routine was unable to obtain private area storage for its work area.

System action

The routine terminates without initializing dynamic I/O monitoring.

User response

Contact IBM Software Support.

CNDL102A	DSPSERV RC = X'xx' REASON CODE = yyyyyyyy
-----------------	--

Explanation

The dynamic I/O configuration monitor initialization routine was unable to create a SCOPE=COMMON dataspace for its use. The return code from the DSPSERV macro invocation was X'xx', the reason code was yyyyyyyy.

System action

The routine terminates without initializing dynamic I/O monitoring.

User response

Check the return codes for the DSPSERV macro create function to determine if the failure was due to an installation option. If not, contact IBM Software Support.

CNDL103A	ALESERV RC = X'xx'
-----------------	---------------------------

Explanation

The dynamic I/O configuration monitor initialization routine was unable to add an entry for a SCOPE=COMMON data space to all PASN-ALs in the system. The return code from the ALESERV macro invocation was X'xx'.

System action

The routine terminates without initializing dynamic I/O monitoring.

User response

Check the return codes for the ALESERV macro add function to determine if the failure was due to an installation option. If not, contact IBM Software Support.

CNDL104I	SVC DUMP TAKEN FOR DYNAMIC I/O CONFIGURATION SUBSYSTEM
-----------------	---

Explanation

An abend has occurred and an SVC dump has been successfully produced.

System action

The routine attempts to recover from the abend. If more than one abend has occurred, then the routine will terminate.

User response

Retain the dump. Contact IBM Software Support.

CNDL105I	DYNAMIC I/O CONFIGURATION UNABLE TO OBTAIN CSA STORAGE
-----------------	---

Explanation

An attempt to obtain CSA failed.

System action

The dynamic I/O configuration monitor will function without I/O configuration change exits.

User response

Contact IBM Software Support.

CNDL106W	UNABLE TO INSTALL I/O RECONFIGURATION COMPLETION EXIT, RC=X'xx'
-----------------	--

Explanation

An attempt to install an I/O reconfiguration completion exit failed with return code X'xx'.

System action

The dynamic I/O configuration monitor will function without the I/O configuration completion exit.

User response

Contact IBM Software Support.

CNDL107W	UNABLE TO INSTALL I/O RECONFIGURATION REQUEST EXIT, RC=X'xx'
-----------------	---

Explanation

An attempt to install an I/O reconfiguration request exit failed with return code X'xx'.

System action

The dynamic I/O configuration monitor will function without the I/O configuration request exit.

User response

Contact IBM Software Support.

CNDL108A	UNABLE TO BUILD UCB TABLE, RC = X'xx'
-----------------	--

Explanation

An attempt to build a table of UCB addresses failed with return code X'xx'.

System action

The dynamic I/O configuration monitor will terminate.

User response

Contact IBM Software Support.

CNDL109A	UCBSCAN RETURN CODE = X'xx'
-----------------	------------------------------------

Explanation

An invocation of the UCBSCAN macro service failed with return code X'xx'.

System action

The dynamic I/O configuration monitor will terminate.

User response

Contact support.

CNDL110A	UCB TABLE REBUILD FAILED WITH RC = X'xx'
-----------------	---

Explanation

An attempt to rebuild the UCB address table failed with return code X'xx'.

System action

The dynamic I/O configuration monitor will terminate.

User response

Contact IBM Software Support.

CNDL112I	OPERATING SYSTEM DOES NOT SUPPORT SCOPE=COMMON DATA SPACES
-----------------	---

Explanation

The z/OS system on which this program is running does not support Common Data Spaces.

System action

Processing continues.

User response

None required.

CNDL150A	UNABLE TO OBTAIN STORAGE, DYNAMIC I/O RECONFIGURATION EXIT INOPERATIVE
-----------------	---

Explanation

An I/O reconfiguration exit attempted to obtain private storage and failed.

System action

The dynamic I/O configuration exit terminates.

User response

Contact support.

CNDL151A	INVALID ALET, UNABLE TO ACCESS DATA SPACE, DYNAMIC I/O RECONFIGURATION EXIT INOPERATIVE
-----------------	--

Explanation

The ALET for the SCOPE=COMMON data space has been found to be invalid.

System action

The dynamic I/O configuration exit terminates.

User response

Contact IBM Software Support.

CNDL152A	INVALID DATA SPACE, DYNAMIC I/O RECONFIGURATION EXIT INOPERATIVE
-----------------	---

Explanation

The ALET for the SCOPE=COMMON data space has accessed a data space that can not be validated.

System action

The dynamic I/O configuration exit terminates.

User response

Contact IBM Software Support.

CNDL153A	UNEXPECTED FUNCTION ENCOUNTERED BY I/O REQUEST EXIT
-----------------	--

Explanation

The dynamic I/O configuration request exit has encountered an unknown function code.

System action

The dynamic I/O configuration exit terminates.

User response

Contact IBM Software Support.

CNDL154A	I/O aaaaaaaaaa EXIT UNABLE TO ACCESS DATA SPACE IN RECOVERY ROUTINE.
-----------------	---

Explanation

An abend has caused entry to the recovery routine, and the data space cannot be accessed to notify potential users that the exit has abended. aaaaaaaaaa identifies the exit as either request or completion.

System action

The dynamic I/O configuration exit terminates.

User response

Contact IBM Software Support.

CNDL155A	I/O aaaaaaaaaa EXIT ALET INVALID
-----------------	---

Explanation

An abend has caused entry to the recovery routine and the data space cannot be accessed to notify potential users that the exit has abended due to an invalid ALET. aaaaaaaaaa identifies the exit as either request or completion.

System action

The dynamic I/O configuration exit terminates.

User response

Contact support.

CNDL156A	I/O aaaaaaaaaa EXIT UNABLE TO ACCESS WORK AREA IN RECOVERY ROUTINE
-----------------	---

Explanation

An abend has caused entry to the recovery routine and the exit work area cannot be accessed. aaaaaaaaaa identifies the exit as either request or completion.

System action

The dynamic I/O configuration exit terminates.

User response

Contact IBM Software Support.

CNDL157I	SVC DUMP TAKEN FOR I/O aaaaaaaaaa ROUTINE
-----------------	--

Explanation

An abend has caused entry to the recovery routine and an SVC dump was produced. aaaaaaaaaa identifies the exit as either request or completion.

System action

The dynamic I/O configuration exit terminates.

User response

Retain the SVC dump. Contact IBM Software Support.

CNDL175W	UNABLE TO OBTAIN PRIVATE STORAGE, SUBSYSTEM INITIALIZATION ROUTINE TERMINATING
-----------------	---

Explanation

OMEGAMON subsystem initialization routine KCNDLINT cannot obtain working storage.

System action

The routine terminates without performing any functions.

User response

Contact support.

CNDL176W	UNABLE TO ESTABLISH RECOVERY, SUBSYSTEM INITIALIZATION ROUTINE TERMINATING
-----------------	---

Explanation

subsystem initialization routine KCNDLINT cannot establish a recovery environment.

System action

The routine terminates without performing any functions.

User response

Contact IBM Software Support.

CNDL177W	aaaa SUBSYSTEM UNABLE TO OBTAIN ECSA STORAGE RC=X'xx'
-----------------	--

Explanation

OMEGAMON subsystem initialization routine KCNDLINT cannot obtain ECSA storage for subsystem *aaaa*.

aaaa
name of the subsystem

X'xx'
return code from the STORAGE macro

System action

The routine terminates without obtaining or formatting the control block anchor for the OMEGAMON subsystem.

User response

If you cannot address the problem indicated by the return code, contact IBM Software Support.

CNDL178W	aaaa SUBSYSTEM UNABLE TO START ADDRESS SPACE bbbbbbbb, RETURN DATA = xxyy
-----------------	--

Explanation

The OMEGAMON subsystem initialization routine KCNDLINT failed to start the subsystem address space.

aaaa
name of the subsystem

bbbbbbbb
name of the procedure specified by the SSPROC keyword

X'xx'
return code from the ASCRE macro

yy
reason code from the ASCRE macro

System action

The routine terminates without starting the subsystem address space.

User response

If the return information does not indicate an installation addressable problem, contact IBM Software Support.

CNDL179A	INVALID PARAMETER STRING FOR SUBSYSTEM aaaa
-----------------	--

Explanation

The OMEGAMON subsystem initialization routine KCNDLINT found a syntax error in the parameter string passed to it using the IEFSSNcc member of SYS1.PARMLIB. *aaaa* is the name of the subsystem.

System action

The routine terminates without starting the subsystem address space.

User response

Correct the parameter string in the appropriate IEFSSNcc member of SYS1.PARMLIB.

CNDL180A	aaaa SUBSYSTEM INPUT PARAMETER bbbbbbbb OCCURS MULTIPLE TIMES
-----------------	--

Explanation

The OMEGAMON subsystem initialization routine KCNDLINT found a keyword parameter to have been entered more than once in the input parameters obtained from the IEFSSNcc member of SYS1.PARMLIB.

aaaa

name of the subsystem.

bbbbbbbb

keyword parameter occurring multiple times.

System action

The routine terminates without starting the subsystem address space.

User response

Correct the parameter string in the appropriate IEFSSNcc member of SYS1.PARMLIB.

CNDL181I SVC DUMP TAKEN FOR CANDLE SUBSYSTEM aaaa

Explanation

The OMEGAMON subsystem initialization routine KCNDLINT abended and an SVC dump was produced to gather diagnostic information. *aaaa* is the name of the subsystem.

System action

The routine terminates.

User response

Retain the dump and contact IBM Software Support.

CNDL182A CANDLE SUBSYSTEM aaaa, VALUE FOR KEYWORD SSPROC IS INVALID

Explanation

The OMEGAMON subsystem initialization routine KCNDLINT has determined that the value coded for keyword SSPROC in the IEFSSNcc member of SYS1.PARMLIB is invalid. *aaaa* is the name of the subsystem.

System action

The routine terminates without attempting to start the OMEGAMON subsystem address space.

User response

Start the subsystem address space manually, or correct the appropriate member of SYS1.PARMLIB and re-IPL.

CNDL183A CANDLE SUBSYSTEM aaaa, VALUE FOR RKANPAR KEYWORD MUST BE 2 BYTES LONG

Explanation

OMEGAMON subsystem initialization routine KCNDLINT has determined that the value coded for keyword RKANPAR in the IEFSSNcc member of SYS1.PARMLIB is not 2 bytes long. *aaaa* is the name of the subsystem.

System action

The routine terminates without attempting to start the OMEGAMON subsystem address space.

User response

Start the subsystem address space manually, or correct the appropriate member of SYS1.PARMLIB and re-IPL.

CNDL184I CANDLE SUBSYSTEM aaaa INITIALIZATION ROUTINE COMPLETED

Explanation

The initialization routine specified in the IEFSSNcc member of SYS1.PARMLIB for subsystem *aaaa* has completed successfully. *aaaa* is the name of the subsystem.

System action

The routine has successfully completed without error.

User response

None. This message is informational only.

CNDL185I CANDLE SUBSYSTEM aaaa INITIALIZATION ROUTINE RECOVERY SUCCESSFUL

Explanation

The initialization routine specified in the IEFSSNcc member of SYS1.PARMLIB for subsystem *aaaa* has successfully recovered from an abend. *aaaa* is the name of the subsystem.

System action

The initialization routine terminates cleanly and returns control to the system.

User response

None. This message is informational only. However, there should be other messages which will require action.

CNDL186W	UNABLE TO OBTAIN PRIVATE STORAGE SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE TERMINATING
-----------------	--

Explanation

While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON was unable to obtain temporary storage.

System action

Processing continues under the system address space.

User response

None required.

CNDL187W	UNABLE TO ESTABLISH RECOVERY SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE TERMINATING
-----------------	--

Explanation

While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON was unable to establish an ESTAE routine.

System action

Processing continues under the system address space.

User response

None required.

CNDL188W	SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE CONTROL BLOCK UNAVAILABLE
-----------------	---

Explanation

While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON found that the pointer to the CSCB from its Address Space Control Block (ASCB) was zero.

System action

Processing continues under the system address space.

User response

None required.

CNDL189W	SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE VALIDATION FAILURE
-----------------	--

Explanation

The OMEGAMON subsystem routine that runs during OMEGAMON subsystem address space initialization did not complete successfully.

System action

The OMEGAMON subsystem address space continues processing; however, the console operator command D A,L will not display the Subsystem address space as an active job on the system. To display the job, you must use the command D A,ssssssss, where ssssssss is the name of the subsystem started task.

User response

Gather SYSLOG and possible SVC dump information, and contact IBM Software Support.

CNDL190I	SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE COMPLETED SUCCESSFULLY
-----------------	--

Explanation

OMEGAMON successfully changed its subsystem address space from a “system address space” to a “normal started task”.

System action

Processing continues.

User response

None required.

CNDL191I	SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE RECOVERY SUCCESSFUL
-----------------	---

Explanation

While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON encountered a problem and its recovery routine was driven. Recovery was successful.

System action

Processing continues under the system address space.

User response

None required.

CNDL192W	SUBSYSTEM ADDRESS SPACE INITIALIZATION ROUTINE SVC DUMP TAKEN
-----------------	--

Explanation

While attempting to change the OMEGAMON subsystem address space from a “system address space” to a “normal started task”, OMEGAMON encountered a problem and its recovery routine was driven. A user dump was taken.

System action

Processing continues under the system address space.

User response

None required.

CS075	UNABLE TO ESTABLISH VIRTUAL SESSION FOR <i>sid</i>. MAKE SURE THE SPECIFIED APPLICATION IS AVAILABLE AND A VALID LOGMODE IS BEING USED.
--------------	--

Explanation

An attempt was made to establish a session using the identified session ID, but the attempt failed.

System action

None.

User response

Follow the message instructions.

CSAA000I	CSAA SUBSYSTEM INITIALIZATION IN PROGRESS
-----------------	--

Explanation

The CSA Analyzer (CSAA) subsystem initialization started.

System action

Initialization processing continues.

User response

None.

CSAA001I	CSAA SUBSYSTEM INITIALIZATION COMPLETED SUCCESSFULLY
-----------------	---

Explanation

The CSAA subsystem initialization processing completed successfully.

System action

The CSAA subsystem is ready to capture and report common storage usage.

User response

None.

CSAA010E	UNABLE TO OBTAIN ECSA FOR RESOURCE MANAGER
-----------------	---

Explanation

ECSA storage for the Resource Manager could not be obtained.

System action

The Resource Manager is not initiated.

User response

Determine why storage is not available.

CSAA020E	UNABLE TO INSTALL RESOURCE MANAGER
-----------------	---

Explanation

The RESMGR macro returned a non-zero return code.

System action

The Resource Manager is not initiated.

User response

Contact IBM Support.

CSAA030E	RESOURCE MANAGER PROBLEM REMOVING HOOKS
-----------------	--

Explanation

While cleaning up, the OMEGAMON Resource Manager removes hooks for monitoring CSA and SQA GETMAIN and FREEMAIN calls. One or more of the hooks could not be removed.

System action

Processing continues.

User response

None required.

CSAA040E	RESOURCE MANAGER NOT PASSED A VALID CSAAVT
-----------------	---

Explanation

While cleaning up, the OMEGAMON Resource Manager discovered that an invalid address for the CSAAVT was passed internally.

System action

Processing continues.

User response

Contact Product Support.

CSAA050I	RESOURCE MANAGER CLEANUP IN PROGRESS
-----------------	---

Explanation

OMEGAMON is installing a dynamic Resource Manager to clean up when the CSAA address space is forced or killed.

System action

Processing continues.

User response

None required.

CSAA055I	RESOURCE MANAGER COMPLETED
-----------------	-----------------------------------

Explanation

OMEGAMON installed a dynamic Resource Manager to clean up when the CSAA address space is forced or killed.

System action

Processing has been completed.

User response

None required.

CSAA100E	CSAA SUBSYSTEM ALREADY RUNNING
-----------------	---------------------------------------

Explanation

The CSAA subsystem was already running when this CSAA subsystem address space tried to initialize. Only one CSAA subsystem address space can be active at a time.

System action

The second CSAA subsystem address space terminates.

User response

Stop the CSAA subsystem before starting another CSAA subsystem.

CSAA200E	PREMATURE END OF INPUT PARAMETERS
-----------------	--

Explanation

The input parameters for the CSAA subsystem ended before expected.

System action

The CSAA subsystem terminates.

User response

Check the input parameters for proper syntax.

CSAA210E	INPUT PARAMETER SYNTAX ERROR AT POSITION xx
-----------------	--

Explanation

CSAA detected an error at the specified position of the input parameter.

System action

The CSAA subsystem terminates.

User response

Check the input parameters for proper syntax.

CSAA299E	CSAA SUBSYSTEM TERMINATING DUE TO PARAMETER ERROR.
-----------------	---

Explanation

CSAA detected an error in the input parameter.

System action

The CSAA subsystem terminates.

User response

Check the input parameters for proper syntax; then restart the CSAA subsystem.

CSAA300E	UNABLE TO LOAD CSAA MODULE cccccccc, ABEND=xxxx RC=yyyy
-----------------	--

Explanation

The CSA Analyzer™ could not load the specified CSAA module cccccccc into virtual storage.

System action

The CSAA subsystem terminates.

User response

Ensure that the CSA Analyzer can access the CSAA load modules through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA320E	UNABLE TO ATTACH CONSOLE COMMUNICATION TASK
-----------------	--

Explanation

The CSA Analyzer could not attach the console communication subtask.

System action

The CSAA subsystem terminates.

User response

Ensure that the CSA Analyzer can access the KCSCOMM load module through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA330E	UNABLE TO ATTACH SYSTEM TREND TASK
-----------------	---

Explanation

The CSA Analyzer could not attach the system trend subtask.

System action

The CSAA subsystem terminates.

User response

Ensure that the CSA Analyzer can access the KCSSTRN load module through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA340E	UNABLE TO START JOB TREND TIMER
-----------------	--

Explanation

The CSA Analyzer could not start the job trend timer.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA341E	JOB TREND PROCESSING ERROR
-----------------	-----------------------------------

Explanation

Job trend processing routine encountered an error.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA350E	UNABLE TO START ORPHAN PROCESSING TIMER
-----------------	--

Explanation

The orphan processing routine timer could not be started.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA351E	ORPHAN PROCESSING ERROR
-----------------	--------------------------------

Explanation

Orphan processing routine encountered an error.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA352E	UPDATE PROCESSING ERROR; CSAA SUBSYSTEM SUSPENDED
-----------------	--

Explanation

The CSA Analyzer has experienced an error while processing.

System action

The CSAA subsystem is suspended from collecting new data and a system dump is produced.

User response

Save the system dump and SYSLOG and contact IBM Software Support for assistance.

CSAA399E	UNABLE TO LOCATE AND/OR LOAD ALL MODULES
-----------------	---

Explanation

During CSAA initialization, the CSA Analyzer could not locate or load one or more CSAA load modules into virtual storage.

System action

The CSAA subsystem terminates.

User response

Ensure that the CSA Analyzer can access the CSAA load modules through LPALST, LINKLST, JOBLIB or STEPLIB concatenation.

CSAA700E	SSCVT CHAIN IS INVALID, UNABLE TO ADD CSAA SSCVT
-----------------	---

Explanation

The CSA Analyzer encountered an error while trying to add the CSAA SSCVT dynamically to the SSCVT chain.

System action

The CSAA subsystem terminates.

User response

Define the CSAA subsystem in the SYS1.PARMLIB(IEFSSNxx) and IPL the system.

CSAA710E	UNABLE TO ESTABLISH ERROR RECOVERY ENVIRONMENT
-----------------	---

Explanation

The CSA Analyzer could not establish the CSAA subsystem error recovery environment.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA720E	UNABLE TO INSTALL THE EXTRACTOR
-----------------	--

Explanation

The CSA Analyzer could not install its extraction routine.

System action

The CSAA subsystem terminates.

User response

The CSA Analyzer cannot co-exist with some common storage monitors from other vendors. Call IBM Software Support.

CSAA730E	CSAA EXTRACTOR IN ERROR, EXTRACTOR REMOVED
-----------------	---

Explanation

The CSAA data extraction routine encountered an error. The CSA Analyzer removes the extraction routine from the system.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA740E	UNABLE TO LOCATE THE DATA BUFFER
-----------------	---

Explanation

The CSA Analyzer could not locate the CSAA extraction routine's data buffer.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA800E	UNABLE TO OBTAIN FIXED ECSA STORAGE FOR SSCVT
-----------------	--

Explanation

The CSA Analyzer could not obtain storage for the CSAA SSCVT from extended CSA.

System action

The CSAA subsystem terminates.

User response

Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA801E	UNABLE TO OBTAIN FIXED ECSA STORAGE FOR CSAVT
-----------------	--

Explanation

The CSA Analyzer could not obtain storage for the CSAA vector table from extended CSA.

System action

The CSAA subsystem terminates.

User response

Check if all of extended CSA is in use. If not call support.

CSAA802E	UNABLE TO OBTAIN FIXED ECSA STORAGE FOR CACHE BUFFER
-----------------	---

Explanation

The CSA Analyzer could not obtain storage for the cache buffer from extended CSA.

System action

The CSAA subsystem terminates.

User response

Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA804E	UNABLE TO OBTAIN FIXED ECSA STORAGE FOR DATA BUFFER
-----------------	--

Explanation

The CSA Analyzer could not obtain storage for the data buffer from extended CSA.

System action

The CSAA subsystem terminates.

User response

Check if all of extended CSA is in use. If not call IBM Software Support.

CSAA805E	UNABLE TO OBTAIN ESQA STORAGE FOR SRB
-----------------	--

Explanation

The CSA Analyzer was unable to obtain storage for an SRB.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA810E	UNABLE TO OBTAIN PAGABLE ECSA STORAGE
-----------------	--

Explanation

The CSA Analyzer could not obtain storage for the CSAA data areas from extended CSA.

System action

The CSAA subsystem terminates.

User response

Check if all of extended CSA is in use. If not call support.

CSAA811E	UNABLE TO OBTAIN DATA ELEMENT STORAGE IN PAGABLE ECSA
-----------------	--

Explanation

The CSA Analyzer could not obtain storage for the data elements from extended CSA.

System action

The CSAA subsystem terminates.

User response

Increase the value for the PAGE= parameter. If the problem persists, call IBM Software Support.

CSAA820E	UNABLE TO OBTAIN EXTENDED PRIVATE STORAGE
-----------------	--

Explanation

The CSA Analyzer could not obtain extended private storage.

System action

The CSAA subsystem terminates.

User response

Increase the region size for the CSAA address space. If the problem persists, call IBM Software Support.

CSAA850I	MONITORING ACTIVE FOR aaa/aaaa
-----------------	---------------------------------------

Explanation

The CSA Analyzer found that the MVS Common Storage Tracking function has been enabled and monitoring is now active for the indicated Common Storage Areas. The possible values for aaa/aaaa are

- CSA/ECSA - Common Service Area and Extended Common Service Area
- SQA/ESQA - System Queue Area and Extended System Queue Area

System action

The CSAA subsystem is available to report on common storage usage.

User response

None.

CSAA851I	MONITORING INACTIVE FOR aaa/aaaa
-----------------	---

Explanation

The CSA Analyzer found that the MVS Common Storage Tracking function has been disabled and common storage usage information is unavailable for the indicated Common Storage Areas. The possible values for aaa/aaaa are:

- CSA/ECSA - Common Service Area and Extended Common Service Area

- SQA/ESQA - System Queue Area and Extended System Queue Area

System action

The indicated common storage area will not be reported on.

User response

Enable the MVS Common Storage Tracking function. See the *MVS/ESA Initialization and Tuning Reference* for further information on enabling the VSM Storage Tracking function.

CSAA852I	PROGRAM - pppppppp VERSION - vvvvvvvv MAINTENANCE - mmmmmmmm
-----------------	---

Explanation

The CSAA program pppppppp is at version vvvvvvvv. The current maintenance level is mmmmmmmm.

System action

This diagnostic message may be issued with other CSAA messages.

User response

See other CSAA messages for further information. This diagnostic message may provide useful information in determining current maintenance level.

CSAA860E	MVS COMMON STORAGE TRACKING LEVEL NOT SUPPORTED - nnnn
-----------------	---

Explanation

The CSA Analyzer found that the MVS Common Storage Tracking function is at LEVEL nnnn, a level that is not supported due to maintenance or release level. The MVS Common Storage Tracking function is at LEVEL nnnn. All common storage usage information is unavailable.

System action

The CSAA subsystem address space terminates.

User response

Contact IBM Software Support.

CSAA861E	FAILURE DETECTED IN MVS COMMON STORAGE TRACKING
-----------------	--

Explanation

The CSA Analyzer found that the MVS Common Storage Tracking function has been disabled due to internal problems with the IBM virtual storage management component. All common storage usage information is unavailable.

System action

The CSAA subsystem address space terminates.

User response

Contact your system programmer. If an SVC dump was produced by the CSAA address space, this may provide additional diagnostics for IBM support personnel.

CSAA890E	USE THE STOP COMMAND TO TERMINATE THE CSAA SUBSYSTEM
-----------------	---

Explanation

The CSA Analyzer has experienced an error, described by a previous message. The MVS STOP command should be issued to stop the CSAA address space.

System action

The CSAA subsystem is suspended from collecting new data.

User response

Examine the CSAA message which appears before this message in the SYSLOG; it will describe the reason the CSAA has been suspended. OMEGAMON commands may be used before the CSAA is stopped to examine the current CSAA data. The MVS STOP command should then be issued to stop the CSAA address space. The MVS START command can then be issued to restart the CSAA address space.

CSAA899E	CSAA SUBSYSTEM TERMINATED DUE TO INSUFFICIENT STORAGE
-----------------	--

Explanation

The CSA Analyzer could not obtain the storage required by the CSAA subsystem. The accompanying CSAA8xxE message identifies the type of storage that could not be obtained.

System action

The CSAA subsystem terminated.

User response

Follow the directions in the accompanying CSAA8xxE messages.

CSAA900E	CSAA SUBSYSTEM VERSION DOES NOT MATCH KCSEXTR VERSION
-----------------	--

Explanation

The CSAA subsystem version does not match the initialization routine version.

System action

The CSAA subsystem terminates.

User response

Ensure that all CSAA load modules are of the same version. Check the LPALST and LINKLST concatenation for duplicate modules. If the problem cannot be resolved, call IBM Software Support.

CSAA901E	CSAA SUBSYSTEM VERSION DOES NOT MATCH KCSEXTR VERSION
-----------------	--

Explanation

The CSAA subsystem version does not match the extraction routine version.

System action

The CSAA subsystem terminates.

User response

Ensure that all CSAA load modules are of the same version. Check the LPALST and LINKLST concatenation for duplicate modules. If the problem cannot be resolved, call IBM Software Support.

CSAA902E	CSAA SUBSYSTEM VERSION DOES NOT MATCH KCSMGR VERSION
-----------------	---

Explanation

The CSAA subsystem version does not match the CSAA manager version.

System action

The CSAA subsystem terminates.

User response

Ensure that all CSAA load modules are of the same version. Check the LPALST and LINKLST concatenation

for duplicate modules. If the problem can not be resolved, call IBM Software Support

CSAA910W	CSAA <i>via</i> WILL EXPIRE ON <i>mm/dd/yy</i>
-----------------	---

Explanation

This message indicates the expiration date of the CSAA product. It displays each time you start the CSAA subsystem, 30 days prior to the actual expiration date.

System action

Processing continues.

User response

Call IBM Software Support.

CSAA911E	CSAA <i>vvvv</i> HAS EXPIRED, CALL IBM CORPORATION
-----------------	---

Explanation

The specified version of the CSAA expired.

System action

The CSAA subsystem is terminated.

User response

Call IBM Corporation to order the latest version of the CSA Analyzer.

CSAA990E	CSAA SUBSYSTEM INITIALIZATION FAILED
-----------------	---

Explanation

A failure was encountered while issuing the LOAD macro. See message CSAA852I for the module name.

System action

Processing continues.

D messages

DX0000	Vvvv running. Cycles= <i>ccc</i>STIM=<i>ii</i> Elap=<i>ss</i> SEC (or <i>mm:ss</i> MN)
---------------	---

Explanation

You have issued BEGN to start the DEXAN collector (version *vvv*). STIM (sample time) shows the sample

User response

Verify the procedure STEPLIB datasets. Contact IBM support.

CSAA997E	CSAA SUBSYSTEM ABNORMAL TERMINATION
-----------------	--

Explanation

The CSAA subsystem encountered an error and terminates abnormally.

System action

The CSAA subsystem terminates.

User response

Call IBM Software Support.

CSAA998I	CSAA STOP COMMAND ACCEPTED
-----------------	-----------------------------------

Explanation

The CSAA subsystem accepted the stop command.

System action

The CSAA subsystem terminates.

User response

None.

CSAA999I	CSAA SUBSYSTEM TERMINATION IN PROGRESS
-----------------	---

Explanation

The CSAA subsystem is terminating.

System action

The CSAA subsystem terminates.

User response

None.

interval (*i.i*) in seconds and tenths. Cycles (*ccc*) shows how long (in STIM intervals) the collector has been running. Elap shows the total elapsed collection time in seconds (*ss*) or minutes and seconds (*mm:ss*).

System action

None.

User response

None.

DX0001 Collector has not been started

Explanation

You have issued the DEX command, but have not started the DEXAN data collector.

System action

None.

User response

Issue the BEGN command to start the collector.

DX0002 Collector being suspended

Explanation

You have suspended data collection without losing any data that DEXAN has already collected.

System action

None.

User response

None.

DX0003 Collector being resumed

Explanation

You have resumed data collection after suspending it.

System action

None.

User response

None.

**DX0004 Collector suspended since
 hh:mm:ss Cycles=nnn Elap=mm:ss
 MN**

Explanation

You suspended data collection by issuing the SUSP command. If you want to resume data collection, issue

the RESM command. Cycles (*nnn*) shows how long (in sample intervals) the collector has been running. Elap shows the total elapsed collection time in minutes and seconds.

System action

None.

User response

None.

**DX1000 The data collector started
 Workarea size= nnnnnn bytes.
 (Also displays, for MVS SP4 or
 later, either) Collector monitoring
 devices defined as dynamic (or)
 Collector not monitoring latest I/O
 configuration**

Explanation

You have started data collection. DEXAN has allocated *nnnnnn* bytes of storage for its collector tables. For MVS SP4 or later, the collector can gather data from dynamic I/O devices that your site has defined to the OMEGAMON Subsystem.

System action

None.

User response

None.

DX1050 Entry will be deleted

Explanation

You have requested that DEXAN remove a job or address space (STC name or TSO user ID) from job analysis.

System action

None.

User response

None.

DX1060 Deletion pending

Explanation

After requesting that DEXAN remove a job or address space (STC name or TSO user ID) from job analysis,

you have tried to display that job while the collector is still monitoring it.

System action

None.

User response

None.

DX1100 **DEXAN to support up to *nnn* address space analyses**

Explanation

You have specified a maximum of *nnn* address spaces for DEXAN analysis.

System action

None.

User response

None.

DX1200 **Collector to monitor period 1 of up to *nnn* performance groups**

Explanation

You have specified a maximum of *nnn* performance groups for DEXAN period one monitoring.

System action

None.

User response

None.

DX1300 **Collector to collect data on up to *nnn* performance groups**

Explanation

You have specified a maximum of *nnn* performance groups for DEXAN monitoring.

System action

None.

User response

None.

DX1500 **Collection has not yet started**

Explanation

One of the following entities is not yet available for DEXAN analysis:

- a job
- an address space (STC name or TSO user ID)
- the period one performance groups

When the entity becomes active, DEXAN will start to analyze it.

System action

None.

User response

None.

DX1600 **Collection started *hhhh*, elap=*ss*, items=*nn***

Explanation

DEXAN has started to analyze one of the following entities that has become active:

- a job
- an address space (STC name or TSO user ID)
- the period one performance groups

DEXAN started data collection at *hhhh* hours. Collection has been running for *ss* seconds or *mm:ss* minutes and seconds. DEXAN has made *nn* observations. Elap shows the total elapsed collection time in seconds (*ss*) or minutes and seconds (*mm:ss*)

System action

None.

User response

None.

DX1700 **No active entries**

Explanation

You have not selected any job, address space (STC name or TSO user ID), or DEXAN slot number, for DEXAN analysis.

System action

None.

User response

None.

DX1800 **Entry added**

Explanation

You have selected a job, address space (STC name or TSO user ID), or DEXAN slot number, for DEXAN analysis.

System action

None.

User response

None.

DX1900 **COMMAND NOT APPLICABLE IN GOAL MODE**

Explanation

The system is currently running in Work Load Manager goal mode and the entered command is a compatibility mode oriented command and therefore not applicable to goal mode. Generally, DEXAN does not support Workload Manager goal mode.

System action

The command terminates completely.

User response

None.

DX2000 **Command valid only when collector not running**

Explanation

You have issued a command that is not valid while the collector is running.

System action

None.

User response

Either stop the collector or issue a command that is valid while the collector is running.

DX2010 **Entry busy; retry later**

Explanation

You have tried to delete from analysis a job or address space (STC name or TSO user ID) for which DEXAN is processing an earlier request.

System action

None.

User response

Try deleting the job or address space later.

DX2020 **Entry already exists in table**

Explanation

You have tried to select a job or address space (STC name or TSO user ID) that DEXAN is already analyzing.

System action

None.

User response

Select a different job or address space.

DX2040 **No room in table to add entry**

Explanation

You have tried to select a new address space (STC name or TSO user ID) for analysis while DEXAN is already monitoring its maximum specified number of address spaces.

System action

None.

User response

After stopping the collector, specify a larger maximum by using one of the following commands:

- NUMAnnn for more address spaces
- NUMFnnn for more period one performance groups
- NUMPnnn for more performance groups

DX2050 **Period one monitoring inactive**

Explanation

You have set NUMF to zero.

System action

None.

User response

None.

DX2060 Entry inactive

Explanation

You have tried to display a job in a job table for which no job has been selected.

System action

None.

User response

None.

**DX2065 Performance group not selected
 for collection**

Explanation

You have tried to display or plot wait reasons for a performance group that DEXAN has not selected for data collection.

System action

None.

User response

Use the PONnnnn command to force DEXAN to select a performance group for collection. Collection starts at the next interval. If you want collection to start immediately, issue the CLR command.

DX2070 Address space monitoring inactive

Explanation

You have set NUMA to zero.

System action

None.

User response

None.

**DX2080 Valid range for period one entry
 number is 1 thru nn**

Explanation

You have tried to display a period one table entry that is greater than NUMF.

System action

None.

User response

Plot a valid performance group.

**DX2090 Valid range for address space
 entry is 1 thru nn**

Explanation

You have tried to display a period one table entry that is greater than NUMA.

System action

None.

User response

Plot a valid job.

DX2100 Value cannot be 0

Explanation

You have tried to enter zero where DEXAN prohibits it.

System action

None.

User response

Enter a non-zero operand.

DX2110 Operand must be numeric

Explanation

You have entered a non-numeric operand.

System action

None.

User response

Enter a numeric operand.

**DX2120 Operand must be "on," "off," or
 "null"**

Explanation

You have entered an operand that is not on, off, or null.

System action

None.

User response

Enter an on, off, or null operand.

DX3000 Collection counters will be cleared

Explanation

You have requested that DEXAN clear its data collection counters.

System action

None.

User response

None.

DX3001 The collection counter for *aaa* is now on

Explanation

You have added a collection counter to the displayed list of collection counters.

System action

None.

User response

None.

DX3002 The collection counter for *aaa* is now off

Explanation

You have removed a collection counter from the displayed list of collection counters.

System action

None.

User response

None.

DX3003

Invalid counter ID (see BLST help for valid IDs)

Explanation

You have used an invalid collection counter ID while trying to add a counter to or remove a counter from the displayed list of collection counters.

System action

None.

User response

Use a valid collection counter ID. For more information, see the *OMEGAMON II for MVS: Command Language Reference Manual*.

DX4000 Enqueue data collection enabled, CYCLE= *nn*

Explanation

You have enabled enqueue wait collection to take samples every *nn* cycles.

System action

None.

User response

None.

DX4001 Enqueue data collection disabled

Explanation

You have disabled enqueue wait collection.

System action

None.

User response

None.

DX4002 Value must be between 0 and 10

Explanation

You cannot specify taking enqueue samples less often than every 10 sampling cycles.

System action

None.

User response

Enter an *nn* value between 1 and 10.

DX4100	Reserve data collection disabled/enabled
---------------	---

Explanation

You have enabled or disabled reserve data collection on a pre-SP2 system.

System action

None.

User response

None.

DX5000	Offset table cccccccc loaded
---------------	-------------------------------------

Explanation

You have loaded JES2 offset table cccccccc.

System action

None.

User response

None.

DX5001	Offset table cccccccc has invalid format
---------------	---

Explanation

You have tried to load a JES2 offset table that has an invalid format.

System action

None.

User response

Use the J2LD command to load an offset table that has a valid format.

DX5002	Offset table cccccccc initialization failed
---------------	--

Explanation

You have loaded a JES2 offset table that could not initialize.

System action

None.

User response

Use the J2LD command to load an offset table that can initialize.

DX5003	Offset table cccccccc not available
---------------	--

Explanation

You have tried to load a JES2 offset table that has not been installed at your site.

System action

None.

User response

Install the JES2 offset table at your site, then use the J2LD command to load that offset table.

DX5100	JES2 service analysis active suppressed
---------------	--

Explanation

You have turned off JES2 service analysis.

System action

None.

User response

None.

DX5200	JES2 analysis active, offset table – cccccccc
---------------	--

Explanation

You have requested JES2 service status while it is on.

System action

None.

User response

None.

DX5201	JES2 analysis inactive
---------------	-------------------------------

Explanation

You have turned off JES2 analysis.

System action

None.

User response

None.

DX6001	Performance groups for forced selection
---------------	--

Explanation

DEXAN will start analyzing the displayed performance groups at the next collection interval.

System action

None.

User response

None.

DX6002	Performance groups for forced rejection
---------------	--

Explanation

DEXAN will not analyze the displayed performance groups at the next collection interval.

System action

None.

User response

None.

DX6003	Performance groups for first period forced rejection
---------------	---

Explanation

DEXAN will not analyze the displayed period one performance groups at the next collection interval.

System action

None.

User response

None.

DX6004	Performance groups for first period forced selection
---------------	---

Explanation

DEXAN will start analyzing the displayed period one performance groups at the next collection interval.

System action

None.

User response

None.

DX6005	Performance groups for inclusion in cross-system table
---------------	---

Explanation

You have displayed a list of performance groups for forced inclusion in the cross-system table by doing either of the following:

- adding a performance group to the cross-system table
- removing a performance group from the cross-system table

System action

None.

User response

None.

DX6006	Forced selections exceed available entries
---------------	---

Explanation

You have not defined enough table space for all period one performance groups that you have identified for analysis.

System action

None.

User response

Use the NUMFnnn command to specify a larger maximum number of period one performance groups.

DX6007	Forced selections exceed available entries
---------------	---

Explanation

You have not defined enough table space for all performance groups that you have identified for analysis.

System action

None.

User response

Use the `NUMPnnn` command to specify a larger maximum number of performance groups.

DX6100 **Performance groups selected:**

Explanation

This is the list of performance groups that DEXAN is monitoring currently.

System action

None.

User response

None.

DX6101 **Performance groups for inclusion in cross-system table**

Explanation

This is the list of performance groups that appear in the XPG display.

System action

None.

User response

None.

DX7000 **Collection counter clearing interval is every *nnn* minutes**

Explanation

You have displayed the DEXAN data collector clear interval.

System action

None.

User response

None.

DX7001 **Sync with RMF collection is turned on**

Explanation

You have synchronized the DEXAN data collector clear interval with the RMF™ interval.

System action

None.

User response

None.

DX7002 **Sync with RMF collection is turned off**

Explanation

You have turned off the synchronization between the DEXAN data collector clear interval and the RMF interval, and reset the DEXAN data collector clear interval to 30 minutes.

System action

None.

User response

None.

DX7003 **Collection counters will be cleared at every RMF interval**

Explanation

You have synchronized the DEXAN data collector clear interval with the RMF interval.

System action

None.

User response

None.

DX7004 **No clearing interval in effect**

Explanation

You have tried to reset the DEXAN data collector clear interval without first turning off the synchronization

between the DEXAN data collector clear interval and the RMF interval.

System action

None.

User response

None.

DX7100	The data collector sample time = <i>n.n</i>
---------------	--

Explanation

You have done either of the following:

- displayed the current DEXAN data collector sample time
- reset the DEXAN data collector sample time

System action

None.

User response

None.

DX7200	Plot percentage threshold is <i>n</i> %
---------------	--

Explanation

The DEXAN plot percentage threshold limits plot output to the most important wait reasons. You have done either of the following:

- displayed the current threshold
- reset the threshold

System action

None.

User response

None.

DX9000	Collector has terminated. Completion code = <i>cxxx</i>
---------------	--

Explanation

The collector has failed.

System action

None.

User response

Issue ABND to log the problem, then issue END and BEGN to restart DEXAN.

DX9002	Request ignored – suspend operation pending
---------------	--

Explanation

You have tried to suspend or resume data collection after DEXAN has already suspended data collection.

System action

None.

User response

None.

DX9003	Request ignored – resume operation pending
---------------	---

Explanation

You have tried to resume or suspend data collection while DEXAN is already waiting to resume data collection.

System action

None.

User response

None.

DX9005	Request ignored – collector has terminated. Completion code = <i>cxxx</i>
---------------	--

Explanation

You have tried to suspend or resume data collection after DEXAN has failed.

System action

None.

User response

None.

DX9800	Collector has not abended (ABND)
---------------	---

Explanation

You can issue ABND only after DEXAN has abended.

System action

None.

User response

No action required..

DX9999 The data collector ended

Explanation

You have stopped DEXAN data collection.

E messages

**EA1511 VARIABLE XXXXXXXX NOT FOUND
OR INVALID TYPE**

Explanation

The job terminates.

System action

None.

User response

Verify that the valid input parameters have been specified in the input file. The most frequent cause of this error is attempting to run the OMIIBATR procedure as a stand-alone batch job. This procedure is meant to be used by OMEGAMON II for MVS only. To run standard EPILOG batch reports, use the procedure KEPPROC.

**EB010 PLEASE ENTER EPILOG REPORTER
COMMAND OR END**

Explanation

This message is issued when running the EPILOG for IMS reporter in foreground mode (TSO without full-screen processing) as a prompt for the user to begin command input.

System action

EPILOG waits for the next command.

User response

Enter an EPILOG command, or END to terminate the EPILOG reporter.

EB0130 INVALID KEYWORD

System action

None.

User response

None.

Explanation

An unrecognizable keyword parameter has been found on an input command either because it is invalid or because of some prior input error.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

**EB0140 DUPLICATE OR CONFLICTING
PARAMETER**

Explanation

The parameter indicated is invalid because it does not apply to the current command, has already been given, or conflicts with other parameters already entered.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB0150 INVALID COMMAND IDENTIFIER

Explanation

The command entered is invalid or is not available for the processor being used.

System action

OMEGAMON II bypasses the statement.

User response

Correct the invalid parameter.

EB020	PLEASE CONTINUE CURRENT COMMAND
--------------	--

Explanation

This message is issued when running the EPILOG reporter in foreground mode (TSO without full-screen processing) as a prompt for you to continue the current command. EPILOG continues prompting for command continuations until you enter a segment which does not end in a hyphen (-).

System action

EPILOG waits for the next command segment.

User response

Continue entering the current command; the continuation character is a hyphen. Remember that the last command segment entered must not end with a hyphen.

EB0200	UNBALANCED QUOTES OR PARENTHESES
---------------	---

Explanation

A string is not quoted properly, which means that it does not lie entirely on one input line or it is missing a beginning or ending quote, or it is missing a left or right parenthesis.

System action

OMEGAMON II bypasses the statement.

User response

Correct the invalid parameter.

EB0230	INVALID KEYWORD FOR THIS COMMAND
---------------	---

Explanation

The keyword is not valid with this command.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid keyword.

EB0240	END OF INPUT, CONTINUATION EXPECTED
---------------	--

Explanation

The last line entered indicated that there would be more data but the end of input was found instead.

System action

OMEGAMON II bypasses the statement.

User response

Supply the continuation character or correct the prior statement.

EB0250	EXCESSIVE PARAMETER(S) IN PARENTHESES
---------------	--

Explanation

There were additional parameters within a set of parentheses which were not processed by the historical reporter. They were considered extraneous because they were not within the syntax of the keyword parameter or because of prior errors encountered while scanning the statement.

System action

OMEGAMON II bypasses the statement.

User response

Correct the prior statement by removing extraneous parameters.

EB0299	UNKNOWN ERROR HAS OCCURRED DURING PARSE
---------------	--

Explanation

The parse scanner has failed. No reason code was returned.

System action

OMEGAMON II bypasses the statement.

User response

Examine the input statement carefully. If no errors are found, contact IBM Software Support.

EB030	A-MATRIX NAME MISSING
--------------	------------------------------

Explanation

You must supply a 1- to 7-character A-matrix name.

Explanation

A numeric parameter is required.

System action

EPILOG waits for the command to be corrected and reissued.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter. Supply a valid A-matrix name and reissue the command.

EB031	SUMWAIT MEMBER NAME MISSING
--------------	------------------------------------

Explanation

The SUMDEF keyword requires a member name as an operand.

System action

The command is bypassed and EPILOG processing continues.

User response

Correct and re-enter the command.

EB0310	INVALID DATE
---------------	---------------------

Explanation

A date parameter has either an invalid format or is logically incorrect.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB032	PRDX MEMBER NAME MISSING
--------------	---------------------------------

Explanation

The PRDXDEF keyword requires a member name as an operand.

System action

The command is bypassed and EPILOG processing continues.

User response

Correct and re-enter the command.

EB0320	INVALID TIME
---------------	---------------------

Explanation

A time parameter has either an invalid format or is logically incorrect.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB0340	MISSING LAST SUBPARAMETER
---------------	----------------------------------

Explanation

The last keyword entered required a subparameter that was not furnished. This message sometimes results from mismatched or missing parentheses.

System action

OMEGAMON II bypasses the previous keyword.

User response

Supply the missing subparameter, or correct the mismatched or missing parentheses.

EB0350	MISSING REQUIRED PARAMETER
---------------	-----------------------------------

Explanation

This command or keyword has a required operand that was not entered.

System action

OMEGAMON II bypasses the previous keyword.

User response

Examine the command and supply the required parameters.

EB0400	INVALID PARAMETER LENGTH OR VALUE
---------------	--

Explanation

The parameter is too long, too short, or has a value outside the required range.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB0410	PARAMETER AT INCORRECT LEVEL
---------------	-------------------------------------

Explanation

The indicated parameter was not contained in the correct set of parentheses. The use of parentheses was ambiguous.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid use of parentheses. Make sure all parentheses are matched pairs.

EB0486	BAND AND RANGE ARE MUTUALLY EXCLUSIVE
---------------	--

Explanation

The BAND and RANGE keywords imply two different mutually exclusive interpretations of the start time and end time specification (BAND is the default).

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Remove either BAND or RANGE and resubmit.

EB0488	SUMMARY AND DETAIL ARE MUTUALLY EXCLUSIVE
---------------	--

Explanation

SUMMARY and DETAIL are two different report types; only one report type is allowed per request.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Remove either the SUMMARY or DETAIL keywords and resubmit.

EB050	NO INFORMATION AVAILABLE
--------------	---------------------------------

Explanation

You entered a plus (+) sign, requesting more information from the TSO command you issued, but none was available.

System action

Processing continues.

User response

None.

EB0500	INVALID EXCEPTION LIMIT PARAMETER
---------------	--

Explanation

The exception limit parameter has an incorrect format.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB0520	INVALID DAY VALUE
---------------	--------------------------

Explanation

The parameter is not a valid operand of the DAY keyword.

System action

OMEGAMON II bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB051 INVALID TSO COMMAND SYNTAX

Explanation

The TSO command you entered had an invalid syntax.

System action

The command is ignored.

User response

Correct the TSO command syntax.

EB052 TSO COMMAND NOT FOUND

Explanation

You did not enter a valid TSO command.

System action

The command is ignored.

User response

Enter a valid TSO command.

**EB053 EPILOG REPORTER NOT RUNNING
 UNDER TSO**

Explanation

EPILOG is running in batch mode, so it cannot accept TSO commands.

System action

The command is ignored.

User response

If you want to issue TSO commands, bring EPILOG up in TSO mode.

EB054 TEST COMMAND NOT SUPPORTED

Explanation

The TSO TEST command is not supported.

System action

The command is ignored.

User response

None.

**EB060 PURGE COMPLETED, NUMBER OF
 POINTERS DELETED = nnn**

Explanation

This status message is issued by KEBMAINT at the end of PURGE command processing. The variable nnn is a count of the total number of pointer records deleted. (This message is always followed by EB061.)

System action

KEBMAINT continues processing the next command.

User response

None.

EB061 DATA RECORDS DELETED = nnn

Explanation

This status message is issued by KEBMAINT at the end of PURGE command processing. The variable nnn is a count of the total number of data records deleted. (This message is always preceded by EB060.)

System action

KEBMAINT continues processing the next command.

User response

None.

**EB062 LOAD COMPLETED, NUMBER OF
 POINTER RECORDS = nnn**

Explanation

This status message is issued by KEBMAINT at the end of LOAD command processing. The variable nnn is a count of the total number of pointer records that have been written into the EDS. (This message is always followed by EB064.)

System action

KEBMAINT continues termination processing. All LOADs are processed at the end of command input.

User response

None.

EB064 **NUMBER OF DATA RECORDS = nnn**

Explanation

This status message is issued by KEBMAINT at the end of LOAD command processing. The variable nnn is a count of the total number of data records that have been written into the EDS. (This message is always preceded by EB062.)

System action

KEBMAINT continues termination processing. All LOADs are processed at the end of command input.

User response

None.

EB066 **NO RECORDS LOADED TO EDS
DATASET**

Explanation

This status message is issued by KEBMAINT at the end of LOAD command processing. No SMF records met the specified criteria, so none were written to the EDS.

System action

KEBMAINT continues termination processing. All LOADs are processed at the end of command input.

User response

Review selection criteria on LOAD commands.

EB068 **DATASTORE SUCCESSFULLY
INITIALIZED**

Explanation

The EPILOG (or DELTAMON®) datastore was successfully initialized.

System action

None.

User response

None.

EB069 **RKM2PRDS SUCCESSFULLY
INITIALIZED**

Explanation

The profile datastore was successfully initialized.

System action

None.

User response

None.

EB070 **EXCLUDE COMPLETE, RECORDS
READ = nnn**

Explanation

This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of records read from the RKEPIN or UEIIN dataset. (This message is always followed by EB071.)

System action

KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response

None.

EB071 **EXCLUDE COMPLETE, RECORDS
WRITTEN = nnn**

Explanation

This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of records written to the EDS. (This message is always preceded by EB070.)

System action

KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response

None.

EB074 **EXCLUDE COMPLETE, POINTER
RECORDS DELETED = nnn**

Explanation

This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of pointer records read from RKEPIN or

UEIIN, which were not written to the EDS because of EXCLUDE criteria. (This message is always followed by EB075.).

System action

KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response

None.

EB075	EXCLUDE COMPLETE, DATA RECORDS DELETED = nnn
--------------	---

Explanation

This status message is issued by KEBUTIL at the end of EXCLUDE command processing. The variable nnn is the number of data records read from RKEPIN or UEIIN, which were not written to the EDS because of EXCLUDE criteria. (This message is always preceded by EB074.)

System action

KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response

None.

EB076	NO RECORDS DELETED, ALL FAILED EXCLUSION TESTS
--------------	---

Explanation

This status message is issued by KEBUTIL at the end of EXCLUDE command processing; no records were excluded from being written. That is, no records were within the range of the EXCLUDE criteria.

System action

KEBUTIL continues termination processing. All EXCLUDEs are processed at the end of command input.

User response

Review selection criteria on EXCLUDE commands.

EB077	EXCLUDE COMPLETE, RECORDS FAILED VALIDATION TESTS = nnn
--------------	--

Explanation

An internal record validation test failed during EXCLUDE processing.

System action

The invalid records are not loaded into the datastore.

User response

Investigate the cause of the bad records. One reason may be that the SMF input file was not sorted in ascending time sequence. Invalid records can also result from abnormal collector termination. If this occurred during the time period being loaded, this message should be ignored. If you cannot account for the invalid records, contact IBM Software Support for further assistance.

EB080	XXXXXXXXX OPEN FAILURE
--------------	-------------------------------

Explanation

The xxxxxxxx DD statement is not present or the dataset failed to open properly. This message should only appear when the EPILOG reporter is running in batch.

System action

The EPILOG reporter terminates.

User response

Provide the required DD statement and rerun the job.

EB082	EPSMF OPEN FAILURE
--------------	---------------------------

Explanation

This is a status message issued by KEBMAINT during LOAD command processing. The EPSMF DD statement was not present or the dataset failed to open properly.

System action

KEBMAINT terminates and the LOAD command is aborted.

User response

Provide the required DD statement and rerun the job.

EB084	HELP DATASET NOT AVAILABLE
--------------	-----------------------------------

Explanation

User issued a HELP command, and the xxxxxxxx DD statement was missing or the dataset failed to open properly.

System action

No help is displayed; EPILOG waits for the next command.

User response

Allocate the xxxxxxxx DD statement to the EPILOG HELP partitioned dataset and rerun the job.

EB085 EPREPT OPEN FAILURE

Explanation

The EPREPT DD statement was not present or the dataset failed to open properly. This message should only appear when the EPILOG reporter is running in batch. (EPREPT usually points to a SYSOUT dataset.)

System action

EPILOG terminates.

User response

Provide the required DD statement and rerun the job.

EB087 RKEPIN OPEN FAILURE

Explanation

This is a status message issued by KEBUTIL at the end of EXCLUDE command processing. The RKEPIN DD statement is either missing or the dataset failed to open properly. RKEPIN should point to an unloaded EPILOG datastore VSAM cluster (created by IDCAMS REPRO).

System action

KEBUTIL continues termination processing. (All EXCLUDEs are processed at the end of the command input.)

User response

Review the selection criteria on EXCLUDE commands.

EB088 xxxxxxxx DD STATEMENT MISSING

Explanation

The xxxxxxxx DD statement was required for the current EPILOG operation, but it was not supplied.

System action

EPILOG operation is terminated.

User response

Provide the required DD statement and rerun the job.

EB089 DATASET NOT AVAILABLE

Explanation

The RKANPAR DD statement was missing or the dataset associated with the RKANPAR DD statement failed to open properly.

System action

Various functions are not available (A-matrix, utilities, AUTO processing, user-defined PFKs, and so on).

User response

Allocate the RKANPAR DD statement to the EPILOG PARM partitioned dataset and rerun.

EB090 ESTAE CREATION FAILED, NO ESTAE ENVIRONMENT nn

Explanation

The ESTAE environment could not be established during KEBMAINT initialization because a non-zero return code (nn) was received during ESTAE creation. The EDS VSAM cluster will not be closed properly if KEBMAINT abnormally terminates.

System action

KEBMAINT continues without the ESTAE environment.

User response

If the return code (nn) was 20, then rerun KEBMAINT with more virtual storage. Otherwise, contact IBM Software Support.

EB0998 INTERNAL ERROR IN MODULE cccccccc CODE = nnnn

Explanation

An internal error message occurred in the specified module. This is not a user problem.

System action

The command is bypassed.

User response

Contact IBM Software Support and report the exact text of the message, including the module, code number, and command that was entered.

EB0999	UNABLE TO OPEN MESSAGE DATASET
---------------	---------------------------------------

Explanation

The message dataset did not open properly in batch mode. There is no way for OMEGAMON II to do logging and error reporting.

System action

Processing terminates with an abend code of 999.

User response

Make sure that the message dataset is allocated properly and retry.

EB100	INSUFFICIENT VIRTUAL STORAGE FOR DIRECTORY UPDATE
--------------	--

Explanation

There was not enough virtual memory available for the RKANPAR directory to be updated.

System action

CMAT, DMAT, RMAT, or PFK SAVE aborts.

User response

Increase region size available to EPILOG reporter and rerun.

EB105	PERMANENT I/O ERROR ON DATASET
--------------	---------------------------------------

Explanation

A permanent I/O error was discovered when reading or writing to the RKANPAR dataset.

System action

Operation did not complete successfully.

User response

Examine RKANPAR dataset and its directory for damage. It may be necessary to restore or rebuild the dataset.

EB110	PARM DATASET DIRECTORY FULL
--------------	------------------------------------

Explanation

There is not enough space in the RKANPAR dataset directory to add another member.

System action

A new A-matrix or PFK member cannot be created.

User response

Reallocate the RKANPAR dataset with more directory blocks.

EB120	MEMBER ALREADY EXISTS IN PARM DATASET
--------------	--

Explanation

The member you are trying to create with CMAT already exists in RKANPAR.

System action

CMAT is aborted.

User response

Choose a different A-matrix name or use RMAT to replace the existing member.

EB130	INVALID KEYWORD
--------------	------------------------

Explanation

An unrecognizable keyword parameter was found on an input command. Either the keyword parameter was invalid or there was some prior input error.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB131	AMBIGUOUS KEYWORD IN COLUMN nn
--------------	---------------------------------------

Explanation

An unrecognizable keyword parameter has been found on an input command either because it is not valid or because of some prior input error.

System action

The reporter bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB140	DUPLICATE OR CONFLICTING PARAMETER
--------------	---

Explanation

The parameter indicated is invalid for one of three reasons: it does not apply to the current command, it has already been given, or it conflicts with other parameters already entered.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB150	INVALID COMMAND IDENTIFIER
--------------	-----------------------------------

Explanation

The command entered is invalid or is not available for the processor being used.

System action

EPILOG bypasses the statement.

User response

Correct the invalid parameter.

EB160	MISSING DATE/TIME PARAMETERS
--------------	---

Explanation

The command entered was incomplete. The command requires a time, a date, or a day parameter.

System action

KEBUTIL bypasses the statement.

User response

Add the required data to the command.

EB180	MEMBER NOT FOUND
--------------	-------------------------

Explanation

The member does not exist in the RKANPAR dataset.

System action

The member is not read.

User response

Correct the member name and try again.

EB188	J, P, OR V ONLY VALID FOR RDAS AND DEGRADATION PANELS
--------------	--

Explanation

An attempt was made to use the J, P, or V navigation codes from a panel other than an RDAS or Degradation panel.

System action

The reporter waits for the next command.

User response

None. You can enter any valid command after encountering this warning.

EB189	ONLY D SELECTION VALID FROM INQUIRE SUMMARY PANEL
--------------	--

Explanation

An attempt was made to use a navigation code other than D from an INQUIRE SUMMARY panel.

System action

The reporter waits for the next command.

User response

None. You can enter any valid command after encountering this warning.

EB190	S, D, OR R NOT ALLOWED ON COMMAND INPUT LINE
--------------	---

Explanation

The S, D, or R selection commands were entered from the command input line at the top of the screen. The S,

D, or R selection commands can only be entered from the data area of a full-screen display.

System action

The selection is ignored.

User response

Press Enter to return to the previous display.

EB191	S SELECTION INVALID WITH SINGLE INTERVALS
--------------	--

Explanation

The user asked for a single interval breakdown on a summary report when the display was already at the single interval level. S is only valid from a SUMMARY report where COMBINE has been used.

System action

The selection ignored.

User response

Press Enter to return to the previous display.

EB192	INTERNAL ERROR: D PROCESS FAILURE
--------------	--

Explanation

An internal error occurred while processing the user's request.

System action

The request is aborted.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EB193	D SELECTION INVALID FROM A DETAIL DISPLAY
--------------	--

Explanation

The user asked for a detailed degradation breakdown while already on a DETAIL display. D is only valid from a SUMMARY report.

System action

The selection is ignored.

User response

Press Enter to return to the previous display.

EB194	S SELECTION INVALID FROM A DETAIL DISPLAY
--------------	--

Explanation

The user tried to use S from a detailed degradation display; this is not allowed. Use the S selection command on a COMBINED SUMMARY display to ask for a single interval breakdown of the selected time period.

System action

The selection is ignored.

User response

Press Enter to return to the previous display.

EB197	ISPF INTERFACE ERROR. ERR CODE EB197nnnn.
--------------	--

Explanation

An internal processing error occurred during the translation of EPILOG output to ISPF display format.

System action

EPILOG abends with user abend code of 197.

User response

The message includes a reason code number (nnnn). The user should contact IBM Software Support with: (1) the error and reason code numbers (2) the text of the command entered, and (3) the display terminal type being used (for example, 3278-4, 3279-3b, and so on).

EB200	UNBALANCED QUOTES OR PARENTHESES
--------------	---

Explanation

Either (1) a string is not quoted properly; that is, it does not lie entirely on one input line or it is missing a beginning or ending quote, or (2) it is missing a left or right parenthesis.

System action

EPILOG bypasses the statement.

User response

Correct the invalid parameter.

EB210	INVALID COMMAND FOR THIS PRODUCT ENVIRONMENT
--------------	---

Explanation

The specified EPILOG command is invalid for the current EPILOG API (internal development interface).

System action

The reporter stops processing the current command and starts processing the next command.

User response

Contact IBM Software Support.

EB220	INVALID RESOURCE PANEL TYPE FROM A-MATRIX
--------------	--

Explanation

An invalid resource panel name was found in the Automatic Analysis matrix specification.

System action

Processing continues.

User response

Correct the resource panel name and try again.

EB230	INVALID KEYWORD FOR THIS COMMAND
--------------	---

Explanation

The keyword is not valid with this command.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid keyword.

EB240	END OF INPUT, CONTINUATION EXPECTED
--------------	--

Explanation

The last line entered indicated that there would be more data but, in fact, the input ended.

System action

EPILOG bypasses the statement.

User response

Supply the remaining data or correct the last line entered.

EB250	EXCESSIVE PARAMETER(S) IN PARENTHESES
--------------	--

Explanation

There were additional parameters within a set of parentheses which were not processed by EPILOG. They were considered as extraneous because either they were not within the syntax of the keyword parameter or because errors were encountered when the statement was scanned.

System action

EPILOG bypasses the statement.

User response

Correct the prior statement by deleting extraneous parameters.

EB260	INVALID WAIT REASON FOR A- MATRIX
--------------	--

Explanation

The wait reason name specified in the A-matrix command is not valid. Refer to the OMEGAMON II for IMS Realtime Commands Reference Manual, for valid wait reasons.

System action

The command is ignored.

User response

Correct the wait reason name and repeat the command.

EB270	INVALID COMPARATOR IN RIF EXPRESSION
--------------	---

Explanation

An invalid symbol for the comparator in the REPORTIF expression was entered.

System action

The reporter waits for the next command.

User response

Correct the comparator and resubmit the command.

EB271	INVALID VALUE IN RIF EXPRESSION
--------------	--

Explanation

An invalid value in the REPORTIF expression was entered.

System action

The reporter waits for the next command.

User response

Correct the value and resubmit the command.

EB272	INVALID UNIT IN RIF EXPRESSION
--------------	---

Explanation

An invalid unit in the REPORTIF expression was entered.

System action

The reporter waits for the next command.

User response

Correct the unit and resubmit the command.

EB273	DATA DICTIONARY CALL FAILURE
--------------	-------------------------------------

Explanation

An internal processing error has occurred while processing the REPORTIF expression on the command.

System action

The reporter waits for the next command.

User response

Contact IBM Software Support.

EB275	RESOURCE TYPE NOT FOUND IN TABLE
--------------	---

Explanation

An internal processing error has occurred while processing the REPORTIF expression on the command.

System action

The reporter waits for the next command.

User response

Contact IBM Software Support.

EB276	INVALID PRECISION IN RIF VALUE
--------------	---

Explanation

A value was entered in the RIF expression that was too precise for the data value in the resource record.

System action

The reporter waits for the next command.

User response

Reduce the precision of the value in the RIF expression.

EB277	INVALID COMPARATOR WITH CHARACTER MASK
--------------	---

Explanation

When a character string is specified using a mask, only the EQUAL and NOTEQUAL operators are supported.

System action

None.

User response

Correct the command input and continue.

EB278	INCOMPLETE RIF EXPRESSION
--------------	----------------------------------

Explanation

A RIF expression requires a keyword, a comparator, and a value.

System action

None.

User response

Correct the command input and continue.

EB279	INVALID VALUE LENGTH IN RIF EXPRESSION
--------------	---

Explanation

The length of the input value exceeds the defined length for the value being tested by the RIF expression.

System action

None.

User response

Correct the command input and continue.

**EB299 UNKNOWN ERROR HAS
OCCURRED DURING PARSE**

Explanation

The parse scanner has failed. No reason code was returned.

System action

EPILOG bypasses the statement.

User response

Examine the input statement carefully. If there does not appear to be any errors, call IBM Software Support.

EB300 PARAMETER NOT NUMERIC

Explanation

A parameter that was required to be numeric was not.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB310 INVALID DATE

Explanation

A date parameter has either an invalid format or is logically incorrect.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB320 INVALID TIME

Explanation

A time parameter has either an invalid format or is logically incorrect.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB330 MISSING WORKLOAD DEFINITION

Explanation

The user entered a command that required a workload but none was given.

System action

EPILOG bypasses the previous statement.

User response

Supply the missing workload type keyword to the command.

EB340 MISSING LAST SUBPARAMETER

Explanation

The last keyword entered required a subparameter but none was given. (This message sometimes results when you have mismatched or missing parentheses.)

System action

EPILOG bypasses the previous keyword.

User response

Supply the missing subparameter.

EB350 MISSING REQUIRED PARAMETER

Explanation

This command or keyword has a required operand, which was not entered.

System action

EPILOG bypasses the previous keyword.

User response

Examine the command and supply the required parameters.

EB400	INVALID PARAMETER LENGTH OR VALUE
--------------	--

Explanation

The parameter was either too long or too short or it had a value outside the required range.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB410	PARAMETER AT INCORRECT LEVEL
--------------	-------------------------------------

Explanation

The indicated parameter was not contained in the correct set of parentheses. The use of parentheses was ambiguous.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid use of parentheses. Make sure all parentheses are matched pairs.

EB460	TITLE PARAMETER TOO LONG
--------------	---------------------------------

Explanation

The string is longer than allowed for a title. The maximum number of characters for a title is 80.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB470	WORKLOADS AND XPG ARE MUTUALLY EXCLUSIVE
--------------	---

Explanation

The user may not enter workload parameters if the cross performance group (XPG) report has been requested.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Determine which should be entered, the workload or XPG, and correct the statement accordingly.

EB471	COMBINE IS NOT ALLOWED WITH INTERPERF (XPG)
--------------	--

Explanation

The cross performance group display (XPG) cannot be generated with COMBINED intervals.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove the COMBINE keyword and try again.

EB472	RESOURCES AND XPG ARE MUTUALLY EXCLUSIVE
--------------	---

Explanation

The user asked for two display types at the same time; only one is allowed.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the resource panel names or the XPG keyword from the command and try again.

EB473	SUMMARY AND XPG ARE MUTUALLY EXCLUSIVE
--------------	---

Explanation

The user asked for two display types at the same time; only one is allowed.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the SUMMARY or the XPG keyword from the command and try again.

EB474	DETAIL AND XPG ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The user asked for two display types at the same time; only one is allowed.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the DETAIL or the XPG keyword from the command and try again.

EB481	COMBINE AND SINGLE ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The users command included both combined intervals and single intervals. A display cannot use both combined intervals and single intervals at the same time.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the COMBINE or SINGLE keyword and try again.

EB482	AVERAGE AND TOTAL ARE MUTUALLY EXCLUSIVE
--------------	---

Explanation

The user's command included both average and total response time numbers. A combined interval display

cannot produce both average and total response time numbers at the same time.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the AVERAGE or TOTAL keyword and try again.

EB483	AVERAGE AND TOTAL ARE INVALID WITH SINGLE
--------------	--

Explanation

The user's command includes AVERAGE or TOTAL keyword and the SINGLE keyword. The AVERAGE and TOTAL keywords both imply combined-interval processing; a display cannot use both combined intervals and single intervals at the same time.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the AVERAGE, TOTAL, or SINGLE keyword and try again.

EB484	AVERAGE AND TOTAL ARE INVALID WITH RESOURCE DISPLAYS
--------------	---

Explanation

The user's command includes a resource keyword and the AVERAGE or TOTAL keywords. The AVERAGE and TOTAL options are only valid with DETAIL and SUMMARY reports.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove the AVERAGE or TOTAL keyword and try again.

EB485	RESOURCE AND WORKLOAD TYPES ARE MUTUALLY EXCLUSIVE
--------------	---

Explanation

The user asked for a resource panel but also specified a workload, which implies a DETAIL or SUMMARY report. Since only one display type is allowed at a time, the request is invalid.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the resource panel names or the workload specification and try again.

EB486	BAND AND RANGE ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The BAND and RANGE keywords imply two different mutually exclusive interpretations of the start time/end time specification (BAND is the default).

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the BAND or RANGE keyword and try again.

EB487	PARM MUST BE RESOURCE PANEL TYPE OR A-MATRIX NAME
--------------	--

Explanation

The RESOURCE command accepts only resource panels and A-matrix names as valid arguments.

System action

The RESOURCE request is ignored.

User response

Press Enter to return to the previous display or re-enter RESOURCE command.

EB488	SUMMARY AND DETAIL ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The user requested both SUMMARY and DETAIL, which are two different report types. Only one report type is allowed per request.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the SUMMARY or DETAIL keyword and try again.

EB489	INTERVAL INVALID WITH BATCH WORKLOAD
--------------	---

Explanation

The user tried to COMBINE batch job workload data and supplied a multi-interval length. This is invalid since batch jobs do not directly relate to collection intervals.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove the interval length subparameter from COMBINE and try again.

EB490	NO WORKLOAD, RESOURCE, OR DISPLAY TYPE WAS SUPPLIED
--------------	--

Explanation

Every DISPLAY command must include a report type, either DETAIL, SUMMARY, Resource panel, XPE-in the DISPLAY command, or GROUPSUM. (You may also specify just a workload, for which the default is DETAIL.)

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Supply a report type keyword and try again.

EB491	RESOURCES AND SUMMARY ARE MUTUALLY EXCLUSIVE
--------------	---

Explanation

The user requested both resource panels and SUMMARY, which are two different report types. Only one report type is allowed per request.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the resource panel or SUMMARY keyword and try again.

EB492	RESOURCES AND DETAIL ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The user requested both resource panels and DETAIL, which are two different report types. Only one report type is allowed per request.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the resource panel or DETAIL keyword and try again.

EB493	STEP AND COMBINE ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The user requested both STEP and COMBINE; only one kind of analysis is possible on a given display. STEP breaks down analysis of a job into its steps, while COMBINE combines information about several jobs or steps.

System action

EPILOG bypasses the command and processing continues.

User response

Remove either the COMBINE or STEP keyword from the command.

EB494	INTERVAL AND COMBINE ARE MUTUALLY EXCLUSIVE
--------------	--

Explanation

The user requested both INTERVAL and COMBINE. The INTERVAL keyword may not be used with the COMBINE keyword.

System action

EPILOG bypasses the command and continues processing.

User response

Remove either the INTERVAL or COMBINE keyword from the command.

EB496	INTERVAL KEYWORD INVALID WITH COMPARE COMMAND
--------------	--

Explanation

The INTERVAL keyword was used with the COMPARE command and therefore was invalidated.

System action

None.

User response

Correct and resubmit the command.

EB498	ADD, DROP, AND USE ARE MUTUALLY EXCLUSIVE KEYWORDS
--------------	---

Explanation

More than one of the ADD, DROP, or USE keywords were entered in the same DATASTOR command.

System action

The reporter waits for the next command.

User response

Eliminate the conflicting keywords and retry the operation.

EB499	EDS, DDS, AND RKM2PRDS ARE MUTUALLY EXCLUSIVE KEYWORDS
--------------	---

Explanation

More than one of the EDS, DDS, or RKM2PRDS keywords were entered in the same DATASTOR command.

System action

The reporter waits for the next command.

User response

Eliminate the conflicting keywords and retry the operation.

EB500	INVALID EXCEPTION LIMIT PARAMETER
--------------	--

Explanation

The exception limit parameter had an incorrect format.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB510	INVALID UNIT OF TIME FOR EXCEPTION LIMIT
--------------	---

Explanation

The exception limit subparameter format was invalid.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB520	INVALID DAY VALUE
--------------	--------------------------

Explanation

The parameter was not a valid operand of the DAY keyword.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB530	SYSTEM IDENTIFICATION TOO LONG (MAX=4)
--------------	---

Explanation

The SYSID parameter exceeded the 1- to 4-characters in length limit.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB531	MERGE ONLY ALLOWED ON DISPLAY AND SET COMMANDS
--------------	---

Explanation

The MERGE keyword was specified with the SYSID keyword in other than a DISPLAY or a SET command.

System action

The reporter waits for the next command.

User response

Eliminate the MERGE keyword from the SYSID keyword and retry the operation.

EB532	NO EDS ALLOCATED TO THIS REPORTER SESSION
--------------	--

Explanation

See message EB533 (IMS).

System action

See message EB533 (IMS).

User response

See message EB533 (IMS).

EB533	USE DATASTOR COMMAND TO ALLOCATE REQUIRED EDS
--------------	--

Explanation

A command requiring an EDS was issued while no EDS was available for processing.

System action

The command terminates.

User response

Use the DATASTOR command to allocate an EDS for the original command to process. Reissue the original command.

EB540	INVALID SMF RECORD VALUE (MAX=255)
--------------	---

Explanation

The SMF record number was larger than 255.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB550	INVALID THRESHOLD VALUE (MAX=99)
--------------	---

Explanation

The user requested a value larger than 99 percent.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EB560	A-MATRIX NAME TOO LONG (MAX=7)
--------------	---

Explanation

The user requested an Automatic Analysis matrix (A-matrix) member name which exceeded seven alphanumeric characters. (EPILOG prefixes the member name with @ in the RKANPAR dataset.)

System action

The request is aborted.

User response

Correct the A-matrix name and try again.

EB561	SUMWAIT NAME TOO LONG (MAX=8)
--------------	--

Explanation

The member name specified contained more than 8 characters.

System action

EPILOG bypasses the command and continues processing.

User response

Correct the SUMWAIT name and reenter the command.

EB562	PRDX NAME TOO LONG (MAX=8)
--------------	-----------------------------------

Explanation

The member name specified contained more than 8 characters.

System action

EPILOG bypasses the command and continues processing.

User response

Correct the PDRX name and reenter the command.

EB570	PFK MEMBER NAME TOO LONG (MAX=7)
--------------	---

Explanation

A PFK definition member name can only be seven alphanumeric characters long. (This is because EPILOG prefixes the member name with \$ in the RKANPAR dataset.)

System action

The request is aborted.

User response

Correct the PFK member name and try again.

EB580	ENTER PARMS FOR CREATING A-MATRIX
--------------	--

Explanation

When using CMAT or RMAT you must supply not only an A-matrix name but also at least one wait reason and its associated resource panels (such as PAG RPAG RPDS).

System action

The CMAT or RMAT command is ignored.

User response

Supply an appropriate automatic analysis specification (a wait reason name followed by a string of resource panel names in parentheses).

**EB590 CANNOT DELETE OR REPLACE
LAST WAIT WITH RMAT**

Explanation

When the user utilizes RMAT and specifies a wait reason with no resource panels, the wait reason is deleted from the A-matrix. The wait reason cannot be deleted if it is the only wait reason defined in the A-matrix.

System action

The command is ignored.

User response

Use two commands: one to delete the A-matrix (DMAT) and the other to add a new A-matrix with the desired wait reason.

**EB595 CANNOT DELETE AND ADD/
REPLACE A WAIT IN THE SAME
COMMAND**

Explanation

When the user utilizes RMAT and specifies a wait reason with no resource panels, the wait reason is deleted from the matrix. The user cannot specify a wait reason to be added or replaced in the same command.

System action

The command is ignored.

User response

Use two commands; one to delete a wait reason, and the other to add or replace a wait reason.

EB600 EDS DATASET OPEN ERROR *nnn*

Explanation

The EPILOG xxxxxxxxx dataset did not open properly.

System action

KEBMAINT or KEBUTIL terminates. The EPILOG reporter continues if the return code is less than 128.

User response

Determine how severe the error is and correct the xxxxxxxxx dataset accordingly. Note that in a multiple system environment it is normal to receive error code 116 when the EPILOG datastore is currently open on another system.

EB601 OPEN FAILED FOR EDS CODE = *nn*

Explanation

An attempt to open an EDS failed. *nn* is the VSAM error code from OPEN; see the IBM VSAM administration documentation for more information. Normally, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action

The issuing program continues normally.

User response

None, unless additional error messages signal a problem; in that case, respond as specified in the additional messages.

**EB602 EDS OPENED WITH WARNING
CODE = *nn***

Explanation

An EDS was successfully opened for input but VSAM issued a warning message. *nn* is the VSAM reason code associated with the warning; see the IBM VSAM administration documentation for more information. This message should be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action

The issuing program continues normally.

User response

Take appropriate action for the VSAM reason code specified.

**EB605 RKM2PRDS DATASET OPEN
ERROR**

Explanation

EPILOG attempted to open the RKM2PRDS but the open failed.

System action

The EPILOG function (RKM2PRDS initialization, reporter, or maintenance) is terminated.

User response

Check or add a DD statement for the RKM2PRDS.

EB606	RKM2PRDS DATASET NOT OPEN FOR OUTPUT
--------------	---

Explanation

During the execution of the PROFILE command, EPILOG was not able to write to the Profile datastore. This error occurs if you submit the PROFILE command as input to the reporter.

System action

EPILOG terminates the current command.

User response

Do not submit the PROFILE command as input to the reporter.

EB607	KEYWORD PNAME MISSING
--------------	------------------------------

Explanation

The PROFNAME (PNAME) keyword was not supplied on the PROFILE command.

System action

EPILOG terminates the current command.

User response

Supply the PNAME keyword on the PROFILE command.

EB610	EDS DATASET READ ERROR CODE = nnn
--------------	--

Explanation

A read against an EPILOG datastore failed.

System action

The command or command section is terminated. If possible, the command continues with another workload.

User response

This problem was caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, contact IBM Software Support for assistance.

EB611	LSR INDEX BUFFERS OBTAINED = nnn
--------------	---

Explanation

This is a normal initialization message that indicates the number of index LSR buffers obtained during initialization.

System action

Processing continues.

User response

None.

EB612	LSR DATA BUFFERS OBTAINED = nnn
--------------	--

Explanation

This is a normal initialization message that indicates the number of data LSR buffers obtained during initialization.

System action

Processing continues.

User response

None.

EB615	RKM2PRDS DATASET I/O ERROR
--------------	-----------------------------------

Explanation

During the execution of the PROFILE command, EPILOG encountered an error while reading/writing to the Profile datastore.

System action

EPILOG terminates the current command.

User response

There is a problem with the Profile datastore that might require datastore maintenance. Other messages preceding this one should help you pinpoint the problem. If you need further assistance, contact IBM Software Support.

EB620	NO EPILOG RECORDS MATCHED SELECTION CRITERIA
--------------	---

Explanation

The EPILOG datastore was searched and no records were found which matched the user's request. At least 10 samples must be taken before data for a batch job step is written to an EDS. If SAMPTIME is set in KEPOPTN to 2.3, the minimum elapsed time for a job step is 23 seconds. There will be no data on the EDS for job steps shorter than 23 seconds.

System action

Processing continues with the next command.

User response

None.

EB630	EDS DATASET ERASE ERROR <i>nnn</i>
--------------	---

Explanation

An error occurred while erasing an EPILOG xxxxxxxx dataset record.

System action

Processing continues with another workload or the next command.

User response

This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

EB640	EDS DATASET WRITE ERROR <i>nnn</i>
--------------	---

Explanation

An error occurred while a WRITE was issued to the EPILOG xxxxxxxx dataset.

System action

Processing continues with another workload or the next command.

User response

This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

EB650	MODCB/SHOWCB/TESTCB ERROR
--------------	----------------------------------

Explanation

A control block manipulation request failed with the indicated return code.

System action

The command processing terminates and the next command is processed.

User response

This is an internal software error and not a user problem; call IBM Software Support.

EB660	EDS DATASET CLOSE ERROR <i>nnn</i>
--------------	---

Explanation

An error occurred while a CLOSE was issued to the VSAM cluster.

System action

EPILOG processor terminates.

User response

This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

EB670	EDS DATASET POINT ERROR <i>nnn</i>
--------------	---

Explanation

An error occurred while a POINT was issued to the VSAM cluster.

System action

The command initiating the POINT request terminates.

User response

This problem could be caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support for assistance.

EB680 EDS DATASET ENDREQ ERROR

Explanation

An error occurred while an ENDREQ was issued to the VSAM cluster.

System action

EPILOG operation is terminated.

User response

This problem was caused by either an I/O error on the dataset or an internal error within EPILOG. If the error code does not indicate an I/O error, call IBM Software Support.

EB690 RECSIZE GREATER THAN 32767. COLLECTOR TERMINATING.

Explanation

The maximum record size (RECSIZE) for the EPILOG datastore is 32767.

System action

Collector initialization stops and data collection does not begin.

User response

Define a new cluster for the EPILOG datastore with a record size of 32767 or less.

EB691 KEYSIZE OF EDS INCORRECT. EPILOG TERMINATING.

Explanation

An incorrect keysize was entered. The EPILOG datastore requires a VSAM key that is 32 bytes in length.

System action

None.

User response

Verify that EDSLIST or the RKM2EDS ddname specifies the correct VSAM clusters. If necessary, redefine the datastore.

EB692 KEYSIZE OF RKM2PRDS INCORRECT. EPILOG TERMINATING.

Explanation

An incorrect keysize was entered. The Profile datastore requires a VSAM key that is 80 bytes in length.

System action

None.

User response

Correct the DD statement or redefine the cluster. Check the RKM2PRDS DD statement to be sure that it points to the correct cluster and dataset.

EB693 INVALID OR MISSING INITIALIZATION RECORD

Explanation

An EDS that had successfully been opened for input did not contain a valid initialization record. If the issuing program supports multiple datastores, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action

The issuing program terminates, continues without the EDS, or continues with restricted use of the EDS.

User response

You may have failed to properly initialize the EDS. If you determine that the EDS is empty, initialize the EDS using the KEBINIT utility. However, this message may also be the result of inappropriate use of VSAM utilities to alter EDS content, or of specification of a VSAM cluster that is not a valid EDS. If you are unable to resolve this problem, contact IBM Software Support for assistance.

EB695 EDS SUCCESSFULLY RESET

Explanation

The KEBRSET utility successfully reset the collection status of an EDS to AVAILABLE.

System action

KEBRSET terminates normally.

User response

None.

EB700	WAIT REASON NOT FOUND IN TABLE
--------------	---------------------------------------

Explanation

This was an internal processing error.

System action

The command is terminated.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EB720	INTERNAL ERROR: INVALID REPORT TYPE
--------------	--

Explanation

This was an internal processing error.

System action

The command is terminated.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EB760	MISSING QUOTE IN SUMWAIT MEMBER IN LINE <i>nn</i>
--------------	--

Explanation

There were unbalanced quotes in the specified line of the SUMWAIT member being processed.

System action

Syntax checking is discontinued and SUMWAIT defaults are put in effect.

User response

Correct the error in the SUMWAIT specification.

EB761	MISSING QUOTE IN PRDX MEMBER IN LINE <i>nn</i>
--------------	---

Explanation

There were unbalanced quotes in the specified line of the productivity index definition member being processed.

System action

Syntax checking is discontinued and productivity index defaults are put in effect.

User response

Correct the error in the rhlev.REDPARM member containing the productivity index definitions.

EB762	DUPLICATE SHORT SUMWAIT NAMES IN LINE <i>nn</i>
--------------	--

Explanation

Two different summary wait names have the same 4-character abbreviation specified. The 4-character abbreviations must be unique.

System action

SUMWAIT defaults are put in effect.

User response

Correct the error in the SUMWAIT specification.

EB763	CONFLICTING SHORT SUMWAIT NAMES IN LINE <i>nn</i>
--------------	--

Explanation

The user specified two different 4-character abbreviations for the same summary wait reason; only one is permitted.

System action

SUMWAIT defaults are put in effect.

User response

Correct the error in the SUMWAIT specification.

EB764	INVALID DETAIL WAIT IN SUMWAIT MEMBER IN LINE <i>nn</i>
--------------	--

Explanation

The detailed wait reason specified as the first string in the summary wait specification is not a valid 3-character wait code.

System action

SUMWAIT defaults are put in effect.

User response

Correct the error in the SUMWAIT specification.

**EB765 INVALID DETAIL WAIT IN PRDX
MEMBER IN LINE *nn***

Explanation

The detailed wait reason specified as the first string in the PRDX wait specification is not a valid 3-character wait code.

System action

PRDX defaults are put in effect.

User response

Correct the error in the PRDX specification.

**EB766 INVALID PRDX CATEGORY IN LINE
*nn***

Explanation

Valid PRDX categories are PROD, NPROD, and IDLE. Others are flagged.

System action

PRDX defaults are used.

User response

Correct the error in the PRDX specification.

**EB800 EXCLUDE INVALID WITH
MULTIPLE DATA BASES**

Explanation

EXCLUDE command cannot process EPILOG datastore and Profile datastore data in the same job.

System action

EPILOG terminates the KEBUTIL program.

User response

Check the EXCLUDE commands to insure that they contain only one datastore keyword: either EDS or RKM2RPRDS. If no datastore keyword is specified, the default is EDS.

**EB801 RKM2PRDS DDNAME MISSING
FOR EXCLUDE RKM2PRDS**

Explanation

To exclude Profile datastore data, the user's job must have a RKM2PRDS DD statement with the ddname of

the RKM2PRDS. The job cannot contain an RKM2EDS DD statement.

System action

EPILOG terminates the KEBUTIL program.

User response

Replace the RKM2EDS DD statement with a RKM2PRDS DD statement that contains the ddname for the Profile datastore.

**EB802 RKM2EDS DDNAME MISSING FOR
EXCLUDE EDS**

Explanation

To exclude EPILOG datastore data, the user's job must have an RKM2EDS DD statement with the ddname of the EDS. The job cannot contain a RKM2PRDS DD statement.

System action

EPILOG terminates the KEBUTIL program.

User response

Replace the RKM2PRDS DD statement with an RKM2EDS DD statement that contains the ddname for the EPILOG datastore.

**EB900 TSO COMMAND SCHEDULING
ERROR**

Explanation

A severe error occurred when trying to issue a TSO command.

System action

The request is aborted.

User response

Issue the same command when not using EPILOG. If the problem still occurs, it was not due to EPILOG.

**EB901 TSO COMMAND ENDED WITH
NON-ZERO RETURN CODE = *nnn***

Explanation

An unusual condition occurred because of the TSO command.

System action

The command is executed with return code nnn.

User response

Consult the appropriate IBM documentation to determine the reason for the return code.

EB902	TSO COMMAND ABENDED XXXXXXXXXX
--------------	---

Explanation

A processing error xxxxxxxx occurred because of the TSO command.

System action

The request is aborted.

User response

Consult the appropriate IBM documentation to determine the reason for the return code.

EB910	INITIALIZATION ABORTED. EPPROD KEYWORD MISSING OR BAD PRODUCT CODE.
--------------	--

Explanation

EPPROD=xx (I2) was not specified or xx is an invalid product code.

System action

Immediate termination.

User response

Report the problem to IBM Software Support.

EB911	INITIALIZATION ABORTED. PRODUCT VECTOR NOT USABLE REASON CODE= xx
--------------	--

Explanation

A zero (00) reason code indicates module KEPPVECT returned an invalid product vector address, or the address does not point to a valid product vector. A non-zero reason code indicates that a product component is either missing or invalid. Non-zero reason codes and meanings vary according to which product you are running.

System action

Immediate termination.

User response

Diagnose the problem according to its reason code. A missing or invalid component is usually the result of a missing FMID. Therefore, before calling IBM Software Support, make sure that all DELTAMON and EPILOG FMIDs have been installed (RECEIVED and APPLIED) correctly.

EB920	OBTAIN IS NOT SUPPORTED UNDER THIS OPERATING SYSTEM
--------------	--

Explanation

The OBTAIN command currently is supported under the VM and MVS systems. An attempt was made to run the program on a system other than VM or MVS.

System action

The OBTAIN command stops processing, and control is returned to the calling program.

User response

Ensure that the proper operating system is running.

EB921	OPEN FAILURE ON DATASET ddname
--------------	---

Explanation

The OBTAIN command attempted to open a specified dataset and failed.

System action

The OBTAIN command stops processing, and control is returned to the calling program.

User response

Verify that the DCB parameters are specified as follows: DSORG=PS, RECFM=V, LRECL=4096 or DSORG=PS, RECFM=VB, LRECL=4096, BLKSIZE=n, where n is 4100 or greater.

EB922	ALLOCATION FAILURE ON ddname, CODE: nn
--------------	---

Explanation

The OBTAIN command attempted to allocate a new file and received error code nn.

System action

The OBTAIN command stops processing, and control is returned to the calling program.

User response

Determine the reason for allocation failure by examining the dataset name and the failure code (see the IBM MVS systems programmer's documentation for more information). Correct the dataset specification, and resubmit the job.

EB923	WRITE FAILED TO DATASET NAME ddname
--------------	--

Explanation

A write error was received when attempting to write a new record to the output dataset or the message file.

System action

The OBTAIN command stops processing, and control is returned to the calling program.

User response

Determine the reason for the write error. Check that there is enough space on the output dataset, and that sufficient extents are allocated.

EB924	ILLEGAL COMBINATION OF REPORT NAMES
--------------	--

Explanation

An attempt was made to obtain data from more than one report, and the report names were not from the same report type group.

System action

The OBTAIN command returns to process the next command in the input file.

User response

Correct the combinations of report names being requested, and resubmit the job.

EB925	INVALID ELEMENT NAME ccccccc
--------------	-------------------------------------

Explanation

An element name has been specified that is not on the reports requested.

System action

The issuing program continues.

User response

Check the element name against the data dictionary for spelling and availability.

EB926	SYNTAX ERROR IN INPUT
--------------	------------------------------

Explanation

An error was encountered in the input command.

System action

The command is bypassed.

User response

Check the syntax of the command. There may be additional messages concerning this command.

EB927	DDNAME aaaaaaaaa NOT FOUND. COMMAND NOT EXECUTED.
--------------	--

Explanation

A ddname was entered that was not found in the OBTAIN JCL or CLIST.

System action

Processing continues with the next command.

User response

Resubmit the command with a ddname found in the JCL or CLIST. Or, revise the JCL or CLIST to include the desired ddname, then resubmit the command.

EB928	CURRENTLY USING DATASET aaaa
--------------	-------------------------------------

Explanation

A valid DD statement was encountered, and the dataset specified in aaaa is currently being written to.

System action

Processing continues with the next command.

User response

None, unless the dataset specified is not as expected. In that case, change the OBTAIN JCL or CLIST to reflect the desired dataset.

EB929	OBTAIN nnnnnn - nnnnn
--------------	------------------------------

Explanation

An internal error occurred during OBTAIN processing.

System action

The OBTAIN command will terminate and control will return to the calling program.

User response

Contact IBM Software Support Services representative with the information from the error message.

EB930 **EDS DSN = *datasetname***

Explanation

This message identifies the EDS involved in an error described by a previous message.

System action

The system action depends on the previous message.

User response

See the user response for the previous message.

EB940 **REOPEN ERROR. CONTINUING
WITH OLD BUFFER VALUES.**

Explanation

A REOPEN command was issued with BUFNI and/or BUFND specifications. The operation failed and the original BUFNI/BUFND values were reinstated. A larger region size specification in subsequent reporter sessions will probably allow the increased BUFNI/BUFND specifications.

System action

The reporter session continues normally.

User response

None.

EB945 **DYNAMIC ALLOCATION INFO.
RETRIEVAL ERROR CODE =
xxxxxxx**

Explanation

An error occurred using SVC 99 to obtain dynamic allocation status information. xxxxxxxx is a hexadecimal string containing the SVC 99 return code (first four characters) and error reason code (last four characters). See the IBM MVS systems programmer's documentation for more information.

System action

The issuing program terminates or attempts to continue without the information.

User response

Contact IBM Software Support.

EB946 **EDS DYNAMIC ALLOCATION
FAILED CODE = *nnnn***

Explanation

An error occurred during an attempt to dynamically allocate an EDS. Nnnn is the SVC 99 error reason code; see the IBM systems programmer's documentation for more information. If the issuing program supports multiple datastores, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action

The issuing program terminates or continues without the EDS.

User response

In a multiple datastore environment, it may be normal for some of the datastores specified as input parameters to be unavailable. Usually, the EPILOG reporter and collector will continue to run without the unavailable EDS. If the EDS should have been available, determine why it could not be allocated and take appropriate corrective action.

EB947 **EDS DYNAMIC DEALLOCATION
FAILED CODE = *nnnn***

Explanation

An error was encountered during an attempt to dynamically deallocate an EDS. nnnn is the SVC 99 error reason code; see the IBM system programmer's documentation for more information. If the issuing program supports multiple datastores, this message will be followed by message EB930, which identifies the dataset name of the EDS to which this message applies.

System action

The issuing program attempts to continue.

User response

This message may indicate an internal error. If nnnn does not indicate a problem related to your installation, contact IBM Software Support.

EB991	EDS HAS BECOME UNAVAILABLE, REPORTER ABORTING
--------------	--

Explanation

The REOPEN command was unable to complete successfully, and the reporter no longer has a valid open EPILOG datastore. (This message is usually accompanied by an EB600, EB650, or EB660 error message.)

System action

The EPILOG reporter terminates.

User response

Consult the accompanying error messages for possible responses.

EB997	INCOMPLETE RECORD SET DETECTED
--------------	---

Explanation

The EPILOG Reporter found a pointer record with no associated data record in the EDS.

System action

The EPILOG Reporter skips to the next pointer record and continues.

User response

This may indicate a VSAM problem; contact IBM. Also, contact any third party vendors of VSAM-related software to see if problems have been reported for which a fix is available. Unloading/reloading the EDS with KEBUTIL may resolve the broken EDS record.

EB998	INTERNAL ERROR IN MODULE ccccccc CODE = nnnn
--------------	---

Explanation

An internal error message occurred in the specified module. This is not a user problem.

System action

The command is bypassed.

User response

Contact IBM Software Support and report the exact text of the message, including the module and code number and the command that was entered.

EB999	UNABLE TO OPEN MESSAGE DATASET
--------------	---

Explanation

The message dataset did not open properly in batch mode. Therefore, there is no way for EPILOG to do its logging and error reporting.

System action

EPILOG does not log or report any information.

User response

Verify that the start-up JCL is correct and restart EPILOG.

EB9850	VSAM aaaaaaaaaaaaaaaaaaaaaa failed in module bbbbbbb
---------------	---

Explanation

There is a VSAM access error.

System action

None.

User response

Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9851	RPL Feedback Code nnn (nnn)
---------------	------------------------------------

Explanation

There is a VSAM access error.

System action

None.

User response

Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9852	Feedback Reason <i>aaaaaaaaaaaaaaaaaaaaa</i>
---------------	--

Explanation

There is a VSAM access error.

System action

None.

User response

Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9853	Return Address nnnnnnnn <i>(xxxxxxx + nnnnnn)</i>
---------------	---

Explanation

There is a VSAM access error.

System action

None.

User response

Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9854	DDNAME from ACB aaaaaa
---------------	-------------------------------

Explanation

There is a VSAM access error.

System action

None.

User response

Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EB9855	DSNAME from JFCB <i>aaaaaaaaaaaaa</i>
---------------	---

Explanation

There is a VSAM access error.

System action

None.

User response

Refer to your VSAM documentation. If this does not help, then call IBM Software Support and provide all the information listed in messages EB9850, EB9851, EB9852, EB9853, EB9854, and EB9855.

EC081	RKM2DUMP OPEN FAILURE
--------------	------------------------------

Explanation

The RKM2DUMP DD statement was not present or failed to open properly; RKM2DUMP must be present for the EPILOG collector to start up. (The RKM2DUMP SYSOUT file is used by the EPILOG collector for error diagnostics and only contains output in the event of an ABEND.)

System action

The collector does not initialize.

User response

Provide the required DD statement and restart the collector.

EC086	RKANPAR OPEN FAILURE
--------------	-----------------------------

Explanation

The RKANPAR DD statement was not present or failed to open properly; KEPOPTN must be present for the EPILOG collector to start up. (The KEPOPTN input file contains the EPILOG collector's initialization options and parameters.)

System action

The collector will not start up.

User response

Provide the required DD statement and restart the collector.

EC091	IDENTIFY ERROR RC = nnn
--------------	--------------------------------

Explanation

The EPILOG collector was unable to successfully issue an IDENTIFY for the degradation analysis collection module; the IDENTIFY failed with the return code shown.

System action

The EPILOG collector does not start up.

User response

Refer to the IBM MVS Supervisor documentation for a description of return codes from the IDENTIFY macro. An error from IDENTIFY probably means that KEPCOLL has been incorrectly link-edited. Verify that the last APPLY job that affected this module was effective. If the problem persists, contact IBM Software Support.

EC092 **ATTACH ERROR RC = nnn**

Explanation

The EPILOG collector was unable to successfully ATTACH the degradation analysis collection subtask; the ATTACH failed with the return code shown.

System action

The collector does not start up.

User response

Refer to the IBM MVS Supervisor documentation for a description of return codes from the ATTACH macro. A return code of 8 means there was insufficient virtual memory, in which case the user should increase the region size and try again. Any other return code may indicate an internal software error, in which case the user should contact IBM Software Support.

EC093 **ESTAE CREATION FAILED, RC = nnn**

Explanation

The EPILOG collector was unable to successfully issue an ESTAE to establish error recovery; the ESTAE failed with the return code shown.

System action

The collector does not start up.

User response

Refer to the IBM MVS Supervisor documentation for a description of return codes from the ESTAE macro. A return code of 20 means there was insufficient virtual memory, in which case the user should increase the region size and try again. Any other return code may indicate an internal software error, in which case the user should contact IBM Software Support.

EC130 **INVALID KEYWORD**

Explanation

An unrecognizable keyword parameter has been found on an input command either because it is invalid or because of some prior input error.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC140 **DUPLICATE OR CONFLICTING PARAMETER**

Explanation

The parameter indicated is invalid for one of the following reasons: it is not available for the current command, it has already been given, or it conflicts with other parameters already entered.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC150 **INVALID COMMAND IDENTIFIER**

Explanation

The command entered is invalid or is not available for the processor being used.

System action

The EPILOG collector bypasses the statement.

User response

Correct the invalid parameter.

EC200 **UNBALANCED QUOTES OR PARENTHESES**

Explanation

Either a string is not quoted properly, that is, it does not lie entirely on one input line or it is missing a beginning or ending quotation mark, or it is missing a left or right parenthesis.

System action

The EPILOG collector bypasses the statement.

User response

Correct the invalid parameter.

EC201 **CT/DS DISCONNECT STARTED**

Explanation

When the EPILOG collector terminates or experiences a failure of the persistent datastore, the collector disconnects from the Tivoli Enterprise Monitoring Server. This message indicates that the disconnect is taking place.

System action

The EPILOG collector is disconnected from the Tivoli Enterprise Monitoring Server.

User response

If this occurs during collector operation (i.e., not during termination), determine why the data server failure took place.

EC202 **EXDC COLLECTION INACTIVE**

Explanation

The EXDC collector in the Tivoli Enterprise Monitoring Server has been found to be inactive.

System action

The EPILOG collector continues, but cannot collect any data produced by the EXDC component.

User response

Examine the RKLVLLOG of the Tivoli Enterprise Monitoring Server to determine why the EXDC component is not running.

EC203 **EXDC COLLECTION STARTED**

Explanation

The EXDC collector in the Tivoli Enterprise Monitoring Server has been started.

System action

None.

User response

None. This message is informational only.

EC204 **NO CT/DS WLM DATA AVAILABLE THIS INTERVAL**

Explanation

No data was returned by the Tivoli Enterprise Monitoring Server for the current interval.

System action

None.

User response

None. This message normally appears immediately after the collector start-up. However, if the message appears at other times, examine the Tivoli Enterprise Monitoring Server RKLVLLOG to determine why WLM data is not available.

EC205 **CT/DS SWITCHED TO PROXY, RECONNECT SCHEDULED**

Explanation

The Tivoli Enterprise Monitoring Server has become the Sysplex proxy.

System action

In order to start collecting Sysplex level data, the collector will disconnect and then reconnect to the Tivoli Enterprise Monitoring Server.

User response

None.

EC206 **CT/DS NO LONGER A PROXY, RECONNECT SCHEDULED**

Explanation

The Tivoli Enterprise Monitoring Server has lost Sysplex proxy status.

System action

In order to stop collecting Sysplex level data, the collector will disconnect and then reconnect to the Tivoli Enterprise Monitoring Server. If a backup Sysplex proxy has been defined, Sysplex level data collection will begin at the new Sysplex proxy location.

User response

None.

EC211	SWITCH TO GOAL MODE COMPLETED SUCCESSFULLY
--------------	---

Explanation

The WLM was switched from compatibility mode to goal mode.

System action

None.

User response

None. This message is informational only.

EC212	SWITCH TO COMPATIBILITY MODE COMPLETED SUCCESSFULLY
--------------	--

Explanation

The WLM was switched from goal mode to compatibility mode.

System action

None.

User response

None. This message is informational only.

EC230	INVALID KEYWORD FOR THIS COMMAND
--------------	---

Explanation

The keyword is not valid with this command.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid keyword.

EC239	IWMRCOLL DATA AREA ALLOCATED
--------------	---

Explanation

A data area was allocated for IWMRCOLL data calls.

System action

None.

User response

None. This message is informational only.

EC240	END OF INPUT, CONTINUATION EXPECTED
--------------	--

Explanation

The last line entered indicated that there would be more data but no additional data was supplied.

System action

The EPILOG collector bypasses the statement.

User response

Supply the additional data or correct the prior statement.

EC241	CT/DS RECONNECT STARTED
--------------	--------------------------------

Explanation

When a data server call to the Tivoli Enterprise Monitoring Server fails, the EPILOG collector disconnects from the server, and then periodically attempts to reestablish the connection. This message indicates that a reconnect is being attempted.

System action

None.

User response

None. This message is informational only.

EC242	CT/DS RECONNECT NOT SUCCESSFUL
--------------	---

Explanation

The EPILOG collector was not able to reconnect to the Tivoli Enterprise Monitoring Server.

System action

None.

User response

Examine the Tivoli Enterprise Monitoring Server task to determine why the collector is not able to reconnect.

**EC243 SERVICE CLASS TABLE
INITIALIZATION FAILED**

Explanation

During collector initialization, or after a WLM switch from compatibility mode to goal mode, the EPILOG collector allocates a data area for monitoring service classes. This message indicates that the collector was not able to obtain space for that area.

System action

The EPILOG collector terminates.

User response

Restart the collector with a larger region size. If you are using the default size (or larger), contact IBM Software Support.

**EC299 UNKNOWN ERROR HAS
OCCURRED DURING PARSE**

Explanation

The parse scanner has failed. No reason code was returned.

System action

The EPILOG collector bypasses the statement.

User response

Examine the input statement carefully. If the user is unable to detect any errors, contact IBM Software Support.

EC300 PARAMETER NOT NUMERIC

Explanation

A parameter that is required to be numeric was not.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC310 INVALID DATE

Explanation

A date parameter had either an invalid format or was logically incorrect.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC320 INVALID TIME

Explanation

A time parameter had either an invalid format or was logically incorrect.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC330 MISSING WORKLOAD DEFINITION

Explanation

The user entered a command which required a workload but none was given.

System action

The EPILOG collector bypasses the previous statement.

User response

Supply the missing workload type keyword to the command.

EC340 MISSING LAST SUBPARAMETER

Explanation

The last keyword entered required a subparameter and none was given.

System action

The EPILOG collector bypasses the previous keyword.

User response

Supply the missing subparameter.

EC350 MISSING REQUIRED PARAMETER

Explanation

This command or keyword has a required operand which was not entered.

System action

The EPILOG collector bypasses the previous keyword.

User response

Examine the command and supply the required parameters.

EC380 USER OPTIONS PREVENT PERSISTENT DATA COLLECTION

Explanation

User options request collection of persistent data but suppress the recording of this data.

System action

If EDS collection was requested, the historical collector attempts to continue; otherwise, the collector terminates. In any event, the collector does not attempt to collect or record Tivoli Enterprise Monitoring Server persistent data.

User response

Specify either PDSDATA or SMFDATA (or both) in RKANPAR to permit the collector to record persistent data to Tivoli Enterprise Monitoring Server, SMF, or both.

EC381 PATH TO CT/DS NOT AVAILABLE FOR PERSISTENT DATA

Explanation

The historical collector was unable to create a path to Tivoli Enterprise Monitoring Server for purposes of recording persistent data.

System action

Persistent data for the current RMF interval is not written to Tivoli Enterprise Monitoring Server. If SMFDATA or SPILLSMFDATA was specified, the data is written to SMF. The historical collector continues executing.

User response

If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval's persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

EC382 REINITIALIZATION OF CT/PDS INTERFACE FAILED

Explanation

The historical collector was unable to reinitialize its interface to Tivoli Enterprise Monitoring Server for the purpose of recording persistent data.

System action

Recording of persistent data to Tivoli Enterprise Monitoring Server is disabled. Persistent data will be written to SMF if SMFDATA or SPILLSMFDATA was specified and the collector cannot reestablish its PDS interface before interval data is ready for recording. The historical collector continues executing.

User response

If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval's persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

EC383 REQUESTED SWITCH COMPLETED SUCCESSFULLY

Explanation

This informational message confirms the successful completion of an operator-requested switch of media for recording persistent data. The switch is either to SMF or to Tivoli Enterprise Monitoring Server persistent datastore.

System action

The collector continues executing.

User response

None.

EC384 **CT/DS PERSISTENT DATA
RECORDING IS ALREADY ACTIVE**

Explanation

The historical collector was instructed by operator command to switch to persistent data recording, but persistent data recording is already in progress.

System action

The collector ignores the operator command and continues executing.

User response

None.

EC386 **NOPDSDATA OPTION PREVENTS
SWITCH TO PERSISTENT DATA**

Explanation

The historical collector was instructed by operator command to switch to persistent data recording, but NOPDSDATA was specified in RKANPAR.

System action

The collector ignores the operator command and continues executing.

User response

If recording of persistent data to Tivoli Enterprise Monitoring Server is desired, specify PDSDATA in the RKANPAR file.

EC387 **CT/DS PATH SUCCESSFULLY
CREATED FOR PERSISTENT DATA**

Explanation

This is an informational message issued whenever the collector (re)creates its Tivoli Enterprise Monitoring Server path for persistent data. The historical collector successfully created a path to Tivoli Enterprise Monitoring Server for purposes of recording persistent data.

System action

The collector continues.

User response

None.

EC388 **SMF RECORDING OF PERSISTENT
DATA IS ALREADY ACTIVE**

Explanation

The historical collector was instructed by operator command to switch to SMF recording of persistent data. However, SMF recording of persistent data is already in progress.

System action

The collector ignores the operator command and continues executing.

User response

None.

EC389 **NOSMFDATA OPTION PREVENTS
SWITCH TO SMF RECORDING**

Explanation

The historical collector was instructed by operator command to switch to SMF recording of persistent data, but NOSMFDATA was specified in RKANPAR.

System action

The collector ignores the operator command and continues executing.

User response

If recording of persistent data to SMF is desired, specify SMFDATA or SPILLSMFDATA in the RKANPAR file.

EC391 **NO CT/DS PERSISTENT DATA
AVAILABLE THIS INTERVAL**

Explanation

The historical collector did not record any persistent data for the RMF interval that just ended because none was available from Tivoli Enterprise Monitoring Server during the interval. Data was recorded neither to CT/PDS nor to SMF.

System action

The EPILOG collector continues.

User response

If you instructed the historical collector to collect some form of persistent data (WLM, XCF, or XES) and you expected that data to be available during the

RMF interval in question, this informational message may indicate problems with the Tivoli Enterprise Monitoring Server server task. Examine the Tivoli Enterprise Monitoring Server task's RKLVLLOG for messages indicating problems during the RMF interval in question. If you are unable to resolve the problem from information provided by the server task, contact IBM Software Support.

EC392	SPILLING PERSISTENT DATA TO SMF
--------------	--

Explanation

The EPILOG collector is recording the persistent data for the current RMF interval to SMF because its attempt to record the data to Tivoli Enterprise Monitoring Server failed.

System action

The collector continues.

User response

There are various reasons that the collector's attempts to write collected persistent data to Tivoli Enterprise Monitoring Server might fail. The most obvious is that the Tivoli Enterprise Monitoring Server data server task is not running. In this case, the collector will reconnect to Tivoli Enterprise Monitoring Server and resume Tivoli Enterprise Monitoring Server recording when you restart the Tivoli Enterprise Monitoring Server STC. Messages preceding this one in the Input/Error Log may help explain the reasons for the failure. Contact IBM Software Support if you need further assistance.

EC400	INVALID PARAMETER LENGTH OR VALUE
--------------	--

Explanation

Either the parameter was too long or too short or it had a value outside the required range.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC410	PARAMETER AT INCORRECT LEVEL
--------------	-------------------------------------

Explanation

The indicated parameter either was not contained in the correct set of parentheses or the use of parentheses was ambiguous.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid use of parentheses. Make sure all parentheses are matched pairs.

EC501	EPILOG SRB RETRY FAILED
--------------	--------------------------------

Explanation

The SRB's function recovery routine (FRR) has failed in its retry attempt.

System action

The FRR retries again.

User response

None.

EC520	INVALID DAY VALUE
--------------	--------------------------

Explanation

The parameter is not a valid operand of the DAY keyword.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC533	KEPDS AVERAGE PAGE FAULT OVERFLOW (#PFLT)
--------------	--

Explanation

The accumulation of sampled page fault values for Epilog for MVS overflowed during this collection interval.

System action

The Epilog Collector continues normally but the average page fault value as reported in the RSRM

Epilog report will be set to the largest possible positive integer.

User response

Report this problem to IBM Software Support.

EC534	SQL1 ANC1 INITIALIZATION FAILURE
--------------	---

Explanation

This message is issued when the collector is unable to initialize the SQL1 interface to the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Report this problem to IBM Software Support.

EC535	SQL1 INITIALIZE FAILURE
--------------	--------------------------------

Explanation

This message is issued when the collector is unable to initialize the SQL1 interface to the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Report this problem to IBM Software Support.

EC536	SQL1 CREATE PATH FAILURE
--------------	---------------------------------

Explanation

This message is issued when the collector is unable to establish a connection to the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Check to see that the data server is active, and that the input parms related to the data server connection are correct (e.g., LOCALID, REMOTEID, etc.). If the data server is active, and no input errors are evident, gather

the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC537	SQL1 STORAGE ALLOCATION FAILURE
--------------	--

Explanation

This message is issued when the collector is unable to acquire sufficient storage for the connection to the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Stop and restart the collector with a larger region size.

EC538	SQL1 CREATE PLAN FAILURE
--------------	---------------------------------

Explanation

This message is issued when the collector is unable to initialize the SQL1 interface to the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC539	SQL1 CREATE REQUEST FAILURE
--------------	------------------------------------

Explanation

This message is issued when the collector is unable to initialize the SQL1 interface to the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC540	INVALID SMF RECORD VALUE (MAX=255)
--------------	---

Explanation

The SMF record number was larger than 255.

System action

The EPILOG collector bypasses the command and continues scanning the statement.

User response

Correct the invalid parameter.

EC541 SCT STORAGE ALLOCATION FAILURE

Explanation

This message is issued when the collector is unable to acquire sufficient storage for the Service Class Table.

System action

Data collection for service classes is discontinued.

User response

Stop and restart the collector with a larger region size.

EC542 SQL1 REQUEST TABLE INITIALIZATION FAILURE

Explanation

This message is issued when the collector is unable to initialize the SQL1 Request Table.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC543 SQL1 GET INPUT SQLDA FAILURE

Explanation

This message is issued when the collector is unable to initialize the SQL1 Request Table.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC544 SQL1 DROP PATH FAILURE

Explanation

This message is issued when the collector is unable to cleanly terminate the SQL1 interface to the data server.

System action

Termination processing continues.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC545 SQL1 TERMINATE FAILURE

Explanation

This message is issued when the collector is unable to cleanly terminate the SQL1 interface to the data server.

System action

Termination processing continues.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC546 ANC1 TERMINATE FAILURE

Explanation

This message is issued when the collector is unable to cleanly terminate the SQL1 interface to the data server.

System action

Termination processing continues.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC547 SQL1 REQUEST NOT FOUND

Explanation

An internal error has occurred during SQL1 processing.

System action

Processing continues.

User response

Report this problem to IBM Software Support.

EC548 SQL1 OPEN REQUEST FAILURE

Explanation

An error has occurred in SQL1 processing.

System action

Processing continues.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC549 SQL1 CLOSE REQUEST FAILURE

Explanation

An error has occurred in SQL1 processing.

System action

Processing continues.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC551 I/O WAIT TABLE EXTENSION FAILURE

Explanation

This message is issued when the collector is unable to acquire sufficient storage to extend the I/O Wait Table.

System action

Data collection for service class data is discontinued.

User response

Stop and restart the collector with a larger region size.

EC552 I/O WAIT TABLE EXTENDED

Explanation

This is an informatory message issued when the I/O Wait table is successfully extended.

System action

Processing continues.

User response

None.

EC553 ENQ WAIT TABLE EXTENSION FAILURE

Explanation

This message is issued when the collector is unable to acquire sufficient storage to extend the ENQ Wait Table.

System action

Data collection for service class data is discontinued.

User response

Stop and restart the collector with a larger region size.

EC554 ENQ WAIT TABLE EXTENDED

Explanation

This is an informatory message issued when the ENQ Wait table is successfully extended.

System action

Processing continues.

User response

None.

EC555 EPILOG COLLECTOR SWITCHING TO GOAL MODE

Explanation

This is an informatory message issued when the collector detects a switch from compatibility to goal mode.

System action

Processing continues.

User response

None.

EC556	EPILOG COLLECTOR SWITCHING TO COMPATIBILITY MODE
--------------	---

Explanation

This is an informatory message issued when the collector detects a switch from goal to compatibility mode.

System action

Processing continues.

User response

None.

EC557	EPILOG COLLECTOR COMP. MODE INITIALIZATION FAILED
--------------	--

Explanation

This message is issued when the collector is unable to process a switch from goal to compatibility mode.

System action

The collector terminates.

User response

Report the problem to IBM Software Support.

EC558	EPILOG COLLECTOR GOAL MODE INITIALIZATION FAILED
--------------	---

Explanation

This message is issued when the collector is unable to process a switch from compatibility to goal mode.

System action

The collector terminates.

User response

Report the problem to IBM Software Support.

EC559	REATTACH OF EPILOG COLLECTOR SUBTASK FAILED
--------------	--

Explanation

This message is issued when the collector is unable to process a mode switch.

System action

The collector terminates.

User response

Report the problem to IBM Software Support.

EC563	IWMRCOLL DATA AREA REALLOCATED
--------------	---

Explanation

The system has either switched to compatibility mode, or the IPS or ICS has been reset, causing a larger collection area to be required. EPILOG was successful in reallocating the collection area.

System action

A new collection area has been allocated.

User response

None. This is an informational message.

EC564	IWMRCOLL DATA AREA REALLOCATION FAILURE
--------------	--

Explanation

The system has either switched to compatibility mode, or the IPS or ICS has been reset, causing a larger collection area to be required. EPILOG was not successful in reallocating the collection area.

System action

Performance group data will not be collected until storage is available. The collector may abend with U518 if it is unable to stop.

User response

If it is important to collect performance group data, stop the collector and restart it. You may need to increase the region size if you have a lot of performance groups defined.

EC565	SQL1 INITIALIZATION COMPLETE
--------------	-------------------------------------

Explanation

This is an informatory message issued when the SQL1 interface to the data server is established.

System action

Processing continues.

User response

None.

EC566	UNABLE TO INITIALIZE CMS CONNECTION
--------------	--

Explanation

The historical collector encountered an error that prevented it from establishing a connection to the Tivoli Enterprise Monitoring Server.

System action

The historical collector continues without attempting to collect data from the Tivoli Enterprise Monitoring Server. Historical collection will be limited to data that can be obtained without the Tivoli Enterprise Monitoring Server.

User response

Examine the collector's RKM2OUTM message file. It should contain additional messages providing further details about the error. A common cause of this problem is an incorrectly specified REMOTEID or LOCALID on the OPTIONS command in the RKANPAR file. For further assistance, contact IBM Software Support.

EC568	FETCH ERROR
--------------	--------------------

Explanation

This message is issued when the collector is unable to perform a fetch from the data server.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC569	EPILOG COLLECTOR MODE SWITCH COMPLETE
--------------	--

Explanation

This is an informatory message issued when the collector processes a mode switch.

System action

Processing continues.

User response

None.

EC571	CTDS DATA SERVICES DISCONNECTED
--------------	--

Explanation

This message is issued when a data services error has occurred.

System action

Data collection for data that is obtained from the data server is discontinued.

User response

Gather the message log from the data server (RKLVLLOG), and report the problem to IBM Software Support.

EC572	CTDS DATA SERVICES RECONNECTED
--------------	---------------------------------------

Explanation

This message is issued after a successful reconnect to the data server.

System action

Data collection for data that is obtained from the data server is restored.

User response

None.

EC581	CT/DS COLLECTION DISABLED-- NO PATH TO SERVER
--------------	--

Explanation

The historical collector cannot collect data dependent upon Tivoli Enterprise Monitoring Server because a path to Tivoli Enterprise Monitoring Server is not available.

System action

The collector continues executing but does not attempt to collect data that requires Tivoli Enterprise Monitoring Server.

User response

If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval's data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

EC582 CT/DS SAMPLES LOST DUE TO INSUFFICIENT STORAGE

Explanation

The historical collector was unable to allocate enough virtual storage to accommodate all of the data being collected through Tivoli Enterprise Monitoring Server.

System action

The data collected from Tivoli Enterprise Monitoring Server for the current interval will be recorded as usual but will be incomplete.

User response

If possible, increase the amount of extended memory available to the collector.

EC583 1 PERSISTENT INTERVAL LOST-- NO OUTPUT PATH

Explanation

Persistent data for the current interval could not be written to Tivoli Enterprise Monitoring Server because a path to Tivoli Enterprise Monitoring Server was unavailable.

System action

If SMDATA or SPILLSMFDATA was specified, the interval data will be written to SMF. The collector continues executing.

User response

If Tivoli Enterprise Monitoring Server is not running, start it (the collector will attempt to reconnect for the next RMF interval's persistent data). If Tivoli Enterprise Monitoring Server is running and the cause and resolution of the problem are not obvious

from other collector messages and Tivoli Enterprise Monitoring Server messages, contact IBM Software Support.

EC584 FORCIBLY DETACHING UNENDING SUBTASK CCCCCCCC

Explanation

During termination processing, the historical collector must forcibly DETACH a subtask that had been started to record Tivoli Enterprise Monitoring Server persistent data. The subtask had failed to complete within the time period allotted by the collector.

System action

The collector DETACHes the subtask and continues its termination.

User response

The situation documented by this message may or may not be a problem. If this message is issued routinely during what are otherwise normal collector terminations, contact IBM Software Support.

EC586 CT/DS ERROR ENCOUNTERED BY OUTPUT SUBTASK

Explanation

A subtask started by the historical collector to record Tivoli Enterprise Monitoring Server persistent data was unable to complete because of a Tivoli Enterprise Monitoring Server interface error.

System action

If SMFDATA or SPILLSMFDATA was specified, the data for the interval is written to SMF. The collector continues executing.

User response

Examine the message output of the Tivoli Enterprise Monitoring Server STC for evidence of errors in Tivoli Enterprise Monitoring Server. Contact IBM Software Support if necessary.

EC588 1 PERSISTENT INTERVAL LOST-- OUTPUT TASK STILL ACTIVE

Explanation

The historical collector is unable to record the Tivoli Enterprise Monitoring Server persistent data for an interval because the subtask that was started to record the previous interval's data is still executing.

System action

If SMFDATA or SPILLSMFDATA was specified, the data for the interval is written to SMF. The collector continues executing.

User response

This message normally indicates that the collector does not have enough time to write an interval's persistent data to Tivoli Enterprise Monitoring Server before the next interval's data is ready to be written. This can happen if the RMF interval is extremely short and the system overhead is extremely high; in this case, lengthening the RMF interval will resolve the problem. If this message appears routinely in an unconstrained environment, it may indicate an internal error in the subtask that is preventing it from completing. Contact IBM Software Support for assistance if necessary.

EC590	PERSISTENT OUTPUT SUBTASK FAILED, RC = (HEX) XX
--------------	--

Explanation

A subtask that was started to record Tivoli Enterprise Monitoring Server persistent data failed. XX is a hexadecimal return code from the subtask.

System action

If SMFDATA or SPILLSMFDATA was specified, the data for the interval is written to SMF. The collector continues executing.

User response

Contact IBM Software Support.

EC591	CT/DS PD INSERT ERROR, PDS RECORDING STOPPED
--------------	---

Explanation

This information messages is issued to document that PDS recording has stopped because of a Tivoli Enterprise Monitoring Server error related to PDS maintenance.

System action

Persistent Datastore (PDS) recording stops, but the historical collector continues to run.

User response

Examine the Tivoli Enterprise Monitoring Server PDS log (RKPDPDG) for errors related to PDS maintenance.

Correct the errors and then restart the monitoring server. If there are no PDS maintenance errors, contact IBM Software Support.

EC592	CT/DS PD INTERFACE WILL BE REINITIALIZED
--------------	---

Explanation

This information message is issued to document the collector's attempt to recover from a Tivoli Enterprise Monitoring Server interface error. The historical collector will recreate the path to the Tivoli Enterprise Monitoring Server that is used for recording persistent data.

System action

The collector continues executing.

User response

None.

EC593	CT/DS PD OUTPUT SUBTASK ATTACH FAILED, CODE=XX
--------------	---

Explanation

The historical collector attempted to ATTACH a subtask to record Tivoli Enterprise Monitoring Server persistent data, but the ATTACH failed. XX is the return code from the ATTACH SVC.

System action

Data for the current RMF interval is not written to Tivoli Enterprise Monitoring Server. If SMFDATA or SPILLSMFDATA was specified, the data is written to SMF. The historical collector continues executing.

User response

If the cause and resolution of the ATTACH failure are not obvious from other messages, contact IBM Software Support.

EC594	WRITE TO SMF FAILED for Rxxx TABLE NO.nn
--------------	---

Explanation

The EPILOG collector attempted to record persistent data to SMF, but the attempt failed. In the message, nn is a decimal number that uniquely identifies the historical Tivoli Enterprise Monitoring Server table for which data was being written to SMF, while xxx is the name of the EPILOG resource class (such as XES or XCF) that comprises this Tivoli Enterprise Monitoring

Server table. This message is always immediately followed by message EC595, which provides further details.

System action

The collector disregards the error and continues.

User response

Respond as indicated for message EC595.

EC595 **RC FROM SMFWTM = nn**

Explanation

This message identifies the nonzero return code from the SMFWTM service that caused the EPILOG collector to issue the immediately preceding EC594 message.

System action

The collector disregards the error and continues.

User response

Return codes from the SMFWTM service are documented in IBM user documentation for SMF. Some of the return codes may indicate a user-specific problem (for example, suppression by a user-written exit routine). If you are unable to resolve the problem after consulting the IBM documentation, contact IBM Software Support.

EC598 **FUNCTION=X, RC = (HEX) XX**

Explanation

This message identifies a function code and return code for the error documented in the immediately preceding message.

System action

Depending upon the severity of the error, the historical collector continues or terminates.

User response

See the description for the message issued immediately before this one.

EC599 **TABLE=XXXX COLUMN=XXXX**

Explanation

This message identifies the names of the Tivoli Enterprise Monitoring server table and column that

were being processed when the error specified in the preceding message occurred.

System action

Depending upon the severity of the error, the historical collector continues or terminates.

User response

See the description for the message issued immediately before this one.

EC600 **RKM2EDS DATASET OPEN ERROR.
CODE = nnn**

Explanation

The EPILOG datastore RKM2EDS dataset did not open properly. nnn is the feedback code for the operation. Refer to the IBM VSAM programmer's documentation.

System action

The EPILOG collector terminates.

User response

Determine how severe the error is and correct the RKM2EDS dataset accordingly.

EC601 **RKM2EDS DDNAME MISSING**

Explanation

The RKM2EDS DD statement was not found. The EPILOG collector will not start unless an RKM2EDS DD statement has been defined which points to an EPILOG datastore VSAM cluster.

System action

The EPILOG collector terminates.

User response

Add the appropriate DD statement and retry.

EC650 **RKM2EDS MODCB/SHOWCB/
TESTCB ERROR. CODE=nnn.**

Explanation

A control block manipulation request failed with the indicated return code. nnn is the feedback code for the operation. Refer to the IBM VSAM programmer's documentation.

System action

The command processing is terminated, and the next command is processed.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EC660	RKM2EDS DATASET CLOSE ERROR. CODE=nnn.
--------------	---

Explanation

An error occurred while a CLOSE was issued to the VSAM cluster. nnn is the feedback code for the operation. Refer to the IBM VSAM programmer's documentation.

System action

The collector terminates.

User response

This problem was caused by either an I/O error on the dataset or an internal error within the EPILOG collector. If the error code does not indicate an I/O error, contact IBM Software Support for assistance.

EC815	MVS LEVEL INCOMPATIBLE WITH THIS EPILOG COLLECTOR
--------------	--

Explanation

The EPILOG collector the user is trying to run cannot be used with the level of MVS currently on the user's system. This message is always followed by EC816.

System action

The EPILOG collector does not start up.

User response

Install the proper version of the EPILOG collector from the distribution tape and rerun.

EC816	RUNNING xxx EPILOG ON yyy SYSTEM
--------------	---

Explanation

This message is always preceded by EC815. The user's system is currently at the yyy level of MVS (where yyy = NSE, SE2, SP3, or XA1) and the user is trying to run a version of the EPILOG collector intended for the level xxx. (Note that SE2 also includes SP1.1x.)

System action

The EPILOG collector does not start up.

User response

Install the proper version of the EPILOG collector from the distribution tape and rerun. Refer to this product's Program Directory for more information.

EC821	EDSDATA REQUIRED FOR RMFDATA
--------------	---

Explanation

During its initialization, the EPILOG collector detected that RMFDATA and NOEDSDATA were both specified on the OPTIONS statement in the KEPOPTN parameter file. This is an error because EDS recording must be active if RMF data is to be collected.

System action

The collector terminates.

User response

Correct KEPOPTN. Either change NOEDSDATA to EDSDATA or change RMFDATA to NORMFDATA.

EC822	NEITHER EDS NOR SMF RECORDING SELECTED
--------------	---

Explanation

During its initialization, the EPILOG collector detected that NOEDSDATA and NOSMFDATA were both specified on the OPTIONS statement in the KEPOPTN parameter file. Either EDSDATA or SMFDATA must be specified so that the collector has somewhere to record collected data.

System action

The collector terminates since it has nothing to write to.

User response

Correct KEPOPTN. Specify EDSDATA, SMFDATA, or both.

EC823	NO EPILOG DATASTORES SPECIFIED
--------------	---

Explanation

EDSDATA was specified on the OPTIONS statement in the KEPOPTN parameter file but no EPILOG datastores were specified.

System action

The collector terminates.

User response

Correct KEPOPTN. Either turn off EDS recording by specifying NOEDSDATA or provide a list of EDS names using the EDSLIST keyword.

EC824 NOT EVERY EDS HAS THE SAME RECORD SIZE

Explanation

During its initialization, the EPILOG collector determined that not all of the EPILOG datastores specified in KEPOPTN have the same VSAM maximum record size.

System action

The collector terminates.

User response

Ensure that every EDS specified by the EDSLIST keyword of the OPTIONS statement has the same VSAM maximum record size. This will require changing KEPOPTN and/or redefining and reinitializing one or more datastores.

EC825 EPILOGC IS NOT APF AUTHORIZED

Explanation

The user requested that the EPILOG collector perform some function that requires APF authorization (such as write to SMF, gather RMF data, gather batch job data), but the collector was not authorized. The EPILOG collector is either not being loaded from an authorized library or the load module does not have the APF-authorized attribute.

System action

The collector does not start up.

User response

APF-authorize the KEPCOLL program. Make sure that the load library that contains KEPCOLL is APF

authorized and that KEPCOLL has been marked AC=1 by the linkage editor. (A library is authorized by virtue of being in the IEAAPFxx list in SYS1.PARMLIB. Remember that an IPL is required after a dataset has been added to the list.)

EC826 NO EDS IS AVAILABLE

Explanation

EDSDATA was specified in the KEPOPTN input parameter file, but no EDS was available for collection at the time that the EPILOG collector was started.

System action

The collector terminates.

User response

The collector requires that at least one of the datastores in the EDS queue be available at initialization if EDS recording is requested; therefore, make available at least the EDS to which collection should start. Check the Input/Error Message Log for more information in identifying the reasons for datastore unavailability. Some common reasons are:

EC828 ERROR DURING COLLECTOR INITIALIZATION

Explanation

An unexpected internal error occurred during EPILOG collector initialization.

System action

The collector does not start.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EC830 NON-COMPATIBLE COLLECTION ALREADY ACTIVE

Explanation

Another EPILOG collector is already active in this system. Only one EPILOG collector is allowed to be active in the system at any given time.

System action

The collector does not start.

User response

Stop the current collector using the P OMIIHIST command from an OS console.

EC831	SMF RECORD ALREADY BEING COLLECTED
--------------	---

Explanation

Another active EPILOG collector is already writing SMF records with the ID number the user has specified; there can only be one EPILOG collector running per SMF record ID number.

System action

The collector does not start.

User response

Stop the current collector using the P OMIIHIST command from an OS console, or select a different SMF record ID number with OPTIONS SMFNUM(nn).

EC832	JES2 OFFSET TABLE NOT FOUND
--------------	------------------------------------

Explanation

The appropriate JES2 offset table was not found by the collector.

System action

Collector initialization fails.

User response

Replace the appropriate JES2 offset table into the load module. See this product's OMEGAMON II for MVS Configuration and Customization Guide for information about reassembling the JES2 offset table.

EC833	JES2 OFFSET TABLE HAS INCORRECT FORMAT
--------------	---

Explanation

The JES2 offset table had an invalid internal format.

System action

Collector initialization fails.

User response

See this product's OMEGAMON II for MVS Configuration and Customization Guide for information about reassembling the JES2 offset table.

EC834	JES2 OFFSET TABLE INITIALIZATION FAILED
--------------	--

Explanation

The EPILOG collector's JES2 table processor failed while attempting to read the JES2 offset table.

System action

Collector initialization fails.

User response

See this product's OMEGAMON II for MVS Configuration and Customization Guide for information about reassembling the JES2 offset table.

EC839	INPUT PARAMETERS INVALID: CORRECT AND RERUN
--------------	--

Explanation

The EPILOG collector discovered some invalid or inconsistent parameters in the KEPOPTN parm dataset.

System action

The collector does not start.

User response

Refer to the RKM2OUTM output for additional messages which will provide details concerning the error.

EC840	SMF INITIALIZATION FAILED, REASON CODE = nn
--------------	--

Explanation

An internal processing error occurred during collector initialization. This message can also occur if the operator used the CANCEL command instead of the STOP command to terminate the collector, which can corrupt the write-to-SMF interface.

System action

Collector initialization fails.

User response

Contact IBM Software Support and report the reason code. If the EPILOG collector was terminated with the CANCEL command instead of the STOP command, you must re-IPL the system.

EC841 **SMF INITIALIZATION ERROR,
REASON CODE = nn**

Explanation

An internal processing error occurred during collector initialization. If you receive reason code 32, a CSA shortage may have occurred.

System action

Collector initialization fails.

User response

Contact IBM Software Support and report the error code. If you receive reason code 32, you must re-IPL or free up CSA.

EC842 **UNABLE TO SHARE COLLECTOR,
LRECL MISMATCH**

Explanation

While trying to start up, the EPILOG collector found that another EPILOG collector was already gathering resource data and tried to share the other collector's SMF interface. This would have worked except that the two collectors were each using an EDS with a different LRECL. Because certain buffers in CSA would be shared, the LRECLs must match.

System action

The collector the user is trying to start does not come up.

User response

Stop the collector which is currently executing before starting a new one. The user could also re-define the clusters so that the LRECLs were the same.

EC843 **SMF INITIALIZATION ABENDED,
ABEND CODE = nn**

Explanation

An internal processing error occurred during collector initialization.

System action

Collector initialization fails. Diagnostic information about the ABEND is provided in message EC844, which is also issued.

User response

Contact IBM Software Support and report the ABEND code and the return value of register 1.

EC844 **REGISTER 1 RETURN VALUE =
xxxxxxx.**

Explanation

This value is the CSA address of the EPILOG hook routine. Message EC845 precedes message EC844.

System action

None

User response

None

EC845 **SMF TERMINATION ENDED,
REASON nn**

Explanation

EPILOG can issue this message at either start-up or termination. Reason code nn indicates why EPILOG did not delete its SMF hook. Message EC845 precedes message EC844.

System action

EPILOG start-up or termination processing continues.

User response

If the reason code is 20, you need take no action. Reason code 20 indicates that EPILOG has not deleted its SMF hook because another address space is still using it (possibly another EPILOG collector).

If the reason code is not 20, or if you believe that EPILOG has issued reason code 20 erroneously, contact IBM Software Support.

EC850 **INVALID PARAMETER LIST,
INTERNAL ERROR**

Explanation

An internal collector parameter list contained invalid or inconsistent data.

System action

The collector terminates.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EC851	UNABLE TO LOCATE COLLECT CODE IN TABLE
--------------	---

Explanation

During termination, the EPILOG collector was unable to find a table entry describing the SMF record interception routine and data areas which were previously created.

System action

The collector terminates; workareas in CSA will not be freed.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EC852	INVALID RETURN CODE, INTERNAL ERROR
--------------	--

Explanation

An invalid return code was returned from one of the EPILOG collector's internal subroutines.

System action

The collector terminates.

User response

This is an internal software error and not a user problem; contact IBM Software Support.

EC853	EPILOGC ACTIVE EDS = eds- dsname
--------------	---

Explanation

The EPILOG collector issues this message during initialization and after a successful EDS switch to identify the EDS to which collection is currently in progress.

System action

The collector continues normally.

User response

None.

EC854	EPILOGC EDS RECORDING INACTIVE
--------------	---

Explanation

No data is being written to any EDS because NOEDSDATA was specified in KEPOPTN.

System action

The collector continues initialization.

User response

None.

EC855	EPILOGC EDS RECORDING SUSPENDED
--------------	--

Explanation

The EPILOG collector is no longer writing collected data to EPILOG datastores because none of the datastores in its EDS queue are available for collection.

System action

The collector continues or terminates depending upon the status of SMF recording. If the collector continues, operator intervention will be required to resume EDS recording.

User response

Make an EDS available for collection on the basis of preceding messages. Once an EDS is available, restart the collector (if it terminated) or use the MVS MODIFY command to resume EDS recording to the available EDS.

EC856	EPILOGC SMF RECORDING IN PROGRESS
--------------	--

Explanation

The EPILOG collector issues this message during initialization and after an EDS switch to confirm that data is being written to SMF.

System action

The collector continues normally.

User response

None.

EC857	EPILOGC SMF RECORDING IN PROGRESS (SPILL)
--------------	--

Explanation

Collected data is being written to SMF because EDS recording has been suspended. This message is issued by the EPILOG collector after a switch to SMF-only recording.

System action

The collector continues normally.

User response

Make an EDS available for collection, then use the MVS MODIFY command to resume EDS recording and suspend SMF recording. After EDS recording has been resumed, you should arrange to reload the missing data from SMF into an EDS.

EC858	EPILOGC SMF RECORDING INACTIVE
--------------	---

Explanation

The EPILOG collector issues this message during initialization and after an EDS switch to confirm that data is not being written to SMF because NOSMFDATA was specified in KELOPTN.

System action

The collector continues normally.

User response

None.

EC859	EPILOGC SMF RECORDING SUSPENDED
--------------	--

Explanation

The EPILOG collector issues this message during initialization and after an EDS switch to confirm that data is not currently being written to SMF because SPILLSMFDATA was specified in KELOPTN and an EDS is currently active.

System action

The collector continues normally.

User response

None.

EC860	GETMAIN FAILED FOR SRB AREA
--------------	------------------------------------

Explanation

SQA memory is full; the EPILOG collector was unable to get enough memory in SQA to establish a data area when trying to initialize batch data collection.

System action

The collector terminates.

User response

Increase the amount of SQA defined in the user's system or try again later.

EC861	LESS THAN OPTIMAL SQA ALLOCATED
--------------	--

System action

None. EPILOG for IMS may not be able to collect data on all address spaces.

User response

Check RKM2OUTM for occurrences of message EC863. If EC863 is occurring, SQAMAX must be increased.

EC862	NO SQA ALLOCATED. AS COLLECTION DISABLED.
--------------	--

System action

No data will be collected for batch jobs, started tasks, or TSO userids on an address space basis.

User response

Increase SQAMAX to at least 2K.

EC863	NO PRIVATE AREA INFORMATION FOR jvjvjvj
--------------	--

System action

No record is being written for the job, STC, or user that is identified by *jvjvjvj* even though a step has completed or an interval has ended.

User response

If SQAMAX is less than this minimum, message EC861 is written to RKM2OUTM. If SQAMAX is set so low that EPILOG will not be able to get all the data it needs, message EC862 is written to RKM2OUTM. Message EC863 is written to RKM2OUTM whenever EPILOG is unable to write a data record due to missing data that SQA is needed to collect.

**EC865 ' MODIFY COMMAND
PARAMETERS'**

Explanation

An operator MODIFY command was issued at a console to communicate with the EPILOG collector. The text of this message shows the parameters specified on the command (up to 67 characters).

System action

The collector continues.

User response

None.

**EC870 TIMEOUT WAITING FOR
SUBTASK, DETACH ISSUED**

Explanation

During shutdown, the collector's main task signaled the degradation analysis subtask to terminate, and the subtask has not responded within 5 minutes. The subtask may have been hung in VSAM catalog processing while trying to CLOSE the EPILOG datastore. (For example, the catalog volume may have been locked out by a RESERVE from another system.)

System action

After waiting 5 minutes with no response, the main task will destroy the subtask by forcibly DETACHing it. Collector termination continues.

User response

No user action required. If the problem persists, contact IBM Software Support.

**EC871 EPILOGC ON xxxx ABENDING AT
OPERATOR REQUEST**

Explanation

The EPILOG collector has abnormally terminated in response to an operator MODIFY OMIIHIST,ABEND command. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector ABENDs as requested.

User response

Proceed with error diagnosis.

**EC873 EPILOGC UNABLE TO CONTINUE -
NOTHING TO WRITE TO**

Explanation

The EPILOG collector could not continue collection because no EDS was available, and SMF recording was prohibited by KEPOPTN.

System action

The collector terminates.

User response

This message usually indicates that the collector was unable to switch to the next EDS because no EDS was available and was also unable to switch to SMF-only recording because NOSMFDATA was specified in KEPOPTN. In this case, follow these steps:

1. Make available at least the EDS to which collection is to be resumed (see message EC826).
2. Change KEPOPTN to specify either SMFDATA or SPILLSMFDATA (this prevents the collector from terminating when no EDS is available).
3. Restart the collector.

This message may also be issued during collector initialization if NOEDSDATA was specified in KEPOPTN together with either NOSMFDATA or SPILLSMFDATA. In this case, follow these steps:

1. Change KEPOPTN to specify either EDSDATA or SMFDATA, or both (note that when EDSDATA is specified, EDSLIST should also be specified).
2. Restart the collector.

**EC874 EPILOGC COLLECTOR ON xxxx
TERMINATED DUE TO ERROR**

Explanation

The EPILOG collector has stopped because fatal errors were encountered. xxxx is the SMF ID of the system on which the collector was running. This message is normally preceded by more descriptive messages that identify the specific errors.

System action

The collector terminates.

User response

Examine the Input/Error Message Log and take the action prescribed for the immediately preceding messages. Retain the Log in the event that you must contact IBM Software Support for details.

**EC875 COLLECTION SUBTSKk ABENDED
 yxxx****Explanation**

The bottleneck analysis collector ended with an Sxxx (for system) or Uxxx ABEND.

System action

The collector terminates after dumping diagnostic information to the RKM2DUMP SYSOUT file.

User response

Gather up problem diagnostics (RKM2OUTM, RKM2DUMP, SYSABEND, console logs, and so on) and contact IBM Software Support.

**EC876 COLLECTION MAIN TASK
 ABENDED yxxx****Explanation**

The collector main task ended with an Sxxx (for system) or Uxxx (for user) ABEND.

System action

The collector terminates after dumping diagnostic information to the RKM2DUMP SYSOUT file.

User response

Gather up problem diagnostics (RKM2OUTM, RKM2DUMP, SYSABEND, console logs, and so on) and contact IBM Software Support.

**EC877 EPILOGC COLLECTOR STARTED ON
 xxxx****Explanation**

The EPILOG collector has successfully initialized and data collection has begun. xxxx is the SMF ID of the system on which the collector is running.

System action

Collector execution continues.

User response

None.

**EC878 EPILOGC COLLECTOR ON xxxx HAS
 TERMINATED NORMALLY****Explanation**

The EPILOG collector has successfully terminated in response to an operator STOP command. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector terminates.

User response

None.

**EC879 EPILOGC COLLECTOR
 INITIALIZING ON xxxx****Explanation**

The EPILOG collector has started its initialization processing. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector continues initialization.

User response

None.

**EC880 EPILOGC ON xxxx TERMINATING
 AT OPERATOR REQUEST****Explanation**

The EPILOG collector has been ordered to terminate by an MVS STOP command entered at an operator console. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector terminates.

User response

None.

**EC881 USER ACCOUNTING INTERFACE
 LOADED****Explanation**

The user-written EPUSRACT account field extraction exit has been successfully loaded.

System action

Collector execution continues.

User response

None.

EC882	BATCH TABLE OVERFLOW - DATA LOST
--------------	---

Explanation

The EPILOG collector could not collect degradation data for all active batch jobs because the BATCHNUM parameter was set to less than the total number of active initiators.

System action

The collector does not record degradation data for all batch job steps; data on some job steps will be lost.

User response

Use the BATCHNUM keyword of the OPTIONS command in the KEPOPTN initialization parameter member to increase the maximum number of concurrently active batch jobs.

EC883	EPILOGC COMMAND SYNTAX INVALID
--------------	---------------------------------------

Explanation

An MVS MODIFY command entered at an operator console to communicate with the EPILOG collector contained invalid syntax.

System action

The collector continues normally.

User response

Re-enter the MODIFY command correctly.

EC884	EPILOGC COMMAND PARAMETERS MISSING/INVALID
--------------	---

Explanation

An MVS MODIFY command entered at an operator console to communicate with the EPILOG collector contained invalid parameters or omitted required parameters.

System action

The collector continues normally.

User response

Re-enter the MODIFY command correctly.

EC885	EPRMFC PROGRAM CHECK RETRY SUCCESSFUL
--------------	--

Explanation

The collector's front end to the IEFU83 SMF exit routine encountered a program check and successfully recovered.

System action

Collector execution continues.

User response

If five program checks are encountered, the IEFU83 exit disables itself (see EC886); otherwise, no action is required. If this message occurs, contact IBM Software Support.

EC886	PGM CHECK LIMIT EXCEEDED - EPRMFC DISABLED
--------------	---

Explanation

The collector's front end to the IEFU83 SMF exit routine encountered five program checks and successfully recovered.

System action

The IEFU83 exit routine seems to be program checking excessively. Collector execution continues, but all further RMF data collection will be disabled.

User response

If five program checks are encountered, the IEFU83 exit disables itself (see EC885). If this message occurs, contact IBM Software Support.

EC887	COLLECTOR MONITORING DEVICES DEFINED AS DYNAMIC
--------------	--

Explanation

This informational message, after initialization or an I/O configuration change, indicates that the OMEGAMON subsystem is monitoring dynamic I/O devices.

System action

Collector execution continues normally.

User response

None.

**EC888 WARNING: POINTER DATA LOST
DUE TO VSAM ERROR****Explanation**

The active EDS ran out of space before all of the workload or resource data for the current reporting interval had been written. The collector unsuccessfully attempted to remove the incomplete set of records from the EDS so that they could be rewritten to the next EDS. Messages EC895 and EC896 should precede this message.

System action

The collector continues, provided that an EDS is available or SMF recording is allowed. However, to avoid duplicate records on different datastores, no attempt is made to rewrite the affected workload or resource data for this interval to the next EDS. Therefore, one interval's data for a particular resource or workload is probably inaccessible for reporting purposes.

User response

The collector should recover fully from this situation and resume normal collection. In addition to the unavailability of an interval's data for reporting, there may be other problems associated with the EDS that suffered the error. Check the preceding messages (EC895 and EC896) and respond accordingly. If you are unable to resolve this problem from the information available and/or you suspect an internal error, forward the Input/Error Message Log and a tape backup (REPRO) of the problem EDS to IBM Software Support.

**EC889 CLEANUP SUCCESSFUL. RECORDS
ERASED = nn****Explanation**

The active EDS ran out of space before all of the workload or resource data for the current reporting interval had been written, but the collector successfully removed the incomplete set of records from the EDS. nn is the decimal number of records erased from the EDS.

System action

The collector continues normally, provided that an EDS is available or SMF recording is allowed. The affected workload or resource data for this reporting interval is rewritten to the next EDS and/or SMF.

User response

None.

**EC890 CLEANUP ABORTED. RECORDS
ERASED = nn****Explanation**

The collector abandoned its attempt to remove an incomplete set of records from the EDS that ran out of space. nn is the decimal number of records that were erased from the EDS before a VSAM ERASE error was encountered. This message normally follows EC888.

System action

The collector continues normally, as long as an EDS is available or SMF recording is allowed.

User response

See message EC888.

**EC891 EPILOG COLLECTOR DETECTED
I/O CONFIGURATION CHANGE****Explanation**

This informational message indicates an I/O configuration change that includes I/O devices monitored by the OMEGAMON Subsystem.

System action

Collector execution continues normally.

User response

None.

EC892 EPILOGC STATUS FOR xxxx:**Explanation**

The EPILOG collector issues this message during initialization, after an EDS switch, and in response to a request for status using the MVS MODIFY command. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector continues normally.

User response

None.

EC893 EPILOGC HELP DISPLAY

Explanation

The EPILOG collector issues this message in response to a request for help using the MVS MODIFY command.

System action

The collector continues normally.

User response

None.

EC894	COLLECTION NOT BASED ON LATEST I/O CONFIGURATION
--------------	---

Explanation

An I/O configuration change may have occurred, but the OMEGAMON Subsystem is not running, so information about the changed device is not available.

System action

The collector continues normally.

User response

If dynamic reconfiguration is being done, then start the OMEGAMON Subsystem. If not, then this message can be ignored.

EC895	VSAM ERROR IN EDS: OPERATION = aaaaaa bbbbbb
--------------	---

Explanation

An error occurred during the EPILOG collector's attempt to use an EPILOG datastore. aaaaaa indicates the failing VSAM operation (GET, PUT, MODCB, and so on) and bbbbbb indicates the type of EPILOG record involved (DATA or POINTER). This message is always followed by EC896.

System action

The collector continues or terminates, depending upon the severity of the error and the availability of other recording media.

User response

See message EC896.

EC896	VSAM ERROR IN EDS: RC =nnn FNCN =nnn FDBK =nnn
--------------	---

Explanation

An error occurred during the EPILOG collector's attempt to use an EPILOG datastore. The three values of nnn represent the VSAM return, function, and feedback codes from the failing operation, respectively. This message is always preceded by message EC895, which identifies the failing VSAM operation and the EPILOG record type.

System action

The collector continues or terminates, depending upon the severity of the error and the availability of other recording media.

User response

Consult appropriate IBM VSAM reference documentation to determine the cause and severity of the error and take appropriate corrective action. If you are unable to fix the problem, call IBM Software Support.

EC897	EDS OUT OF SPACE: RECTYP = x LENGTH = nnnnnnn
--------------	--

Explanation

The active EDS ran out of space. x and nnnnnnn are the type and length of the record that the EPILOG collector was attempting to write at the time that the EDS ran out of space.

System action

The collector attempts to switch to another EDS. If no other EDS is available, the collector switches to SMF-only recording (if writing to SMF is permitted) or terminates (if writing to SMF is prohibited).

User response

None.

EC899	EPILOGC/xxxx ACTIVE EDS nnn% FULL IN pppp EXTENT(S)
--------------	--

Explanation

The active EDS has used nnn percent of the space available in its current pppp dataset extents. The threshold for this message (that is, the nnn% at which the message is first issued) is specified by the WARNING keyword of the OPTIONS command. xxxx is the SMF ID of the system on which the collector is running. The percent full is calculated as ending RBA divided by high-allocated RBA, which is equivalent to used Control Areas divided by allocated Control Areas;

therefore, the percent full is actually the percent of allocated Control Areas of the VSAM KSDS that are in use. This figure may appear to be inordinately high for a small EDS because of the manner in which the figure is calculated; however, this calculation provides the most reliable indicator of an impending VSAM out-of-space condition.

System action

The collector continues. When the EDS becomes 100% full and no additional extents can be obtained, the collector will attempt to switch to the next EDS in its queue (if one is available) or to SMF-only recording. Failing both, the collector terminates. Note that when an additional extent is obtained, the percent full figure goes down; if it falls below the warning threshold, a considerable period of time may elapse before this message is reissued.

User response

None, unless this message is followed immediately by message EC941. In that case, respond as specified for EC941.

EC915	EPILOGC CANNOT HONOR REQUEST TO ADD/DROP EDS
--------------	---

Explanation

An MVS MODIFY command entered at an operator console specified that an EDS should be added to or dropped from the EPILOG collector's EDS queue, but the collector could not honor the request. The reason that the request was not honored is given in subsequent messages.

System action

The collector continues normally.

User response

Examine the subsequent messages issued by the collector and take appropriate action.

EC916	INVALID EDS SEQUENCE NUMBER SPECIFIED
--------------	--

Explanation

An MVS MODIFY command entered at an operator console specified an invalid EDS sequence number.

System action

The collector continues normally.

User response

If necessary, request a status display using the MODIFY command to display the EDS sequence numbers. Then re-enter the original command specifying the correct EDS sequence number.

EC917	SPECIFIED EDS IS ALREADY IN QUEUE
--------------	--

Explanation

An MVS MODIFY command entered at an operator console specified that a new EDS should be added to the EPILOG collector's EDS queue, but the dataset name specified is already in the queue.

System action

The collector continues normally.

User response

Re-enter the command specifying a different EDS dsname.

EC918	THE ACTIVE EDS CANNOT BE DROPPED
--------------	---

Explanation

An MVS MODIFY command entered at an operator console specified that the currently-active EDS should be dropped. An EDS cannot be dropped while it is active.

System action

The collector continues normally.

User response

Reissue the command, specifying an EDS that is not active.

EC920	EPILOGC CANNOT HONOR REQUEST FOR SWITCH
--------------	--

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to another EDS or to SMF, but the collector could not honor the request. The reason that the request was not honored is given in subsequent messages.

System action

The collector continues normally.

User response

Examine the subsequent messages issued by the collector and take appropriate action.

EC921	EDS RECORDING DISALLOWED BY RKANPAR
--------------	--

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to EDS recording, but NOEDSDATA was specified in the KEPOPTN parameter file.

System action

The collector ignores the request and continues normally.

User response

To activate EDS recording, stop the collector and change KEPOPTN to specify EDSDATA and EDSLIST. Then restart the collector.

EC922	EDS RECORDING NOT CURRENTLY IN PROGRESS
--------------	--

Explanation

An MVS MODIFY command entered at an operator console requested a function that is meaningful only when EDS recording is in progress; however, EDS recording is currently suspended.

System action

The collector ignores the request and continues normally.

User response

None.

EC923	NO EDS IS AVAILABLE FOR COLLECTION
--------------	---

Explanation

The EPILOG collector attempted to switch to another EDS but none of the other datastores in the EDS queue were available for collection.

System action

If SMF recording is permitted, the collector continues writing collected data to SMF; otherwise, the collector terminates.

User response

Make available to the collector at least the EDS to which collection should be resumed. Then, if the collector terminated, restart it. Or, if the collector continued to write to SMF, use the MVS MODIFY command to resume EDS recording. See message EC826 for additional details about EDS availability.

EC924	SMF RECORDING DISALLOWED BY RKANPAR
--------------	--

Explanation

The EPILOG collector could not switch to SMF-only recording because NOSMFDATA was specified on the OPTIONS command in the KEPOPTN input parameter file.

System action

If this message is issued in response to an operator-requested switch to SMF, the collector ignores the request and continues. Otherwise, the collector terminates because SMF recording is prohibited and no EDS is available for collection.

User response

To permit SMF recording, stop the collector and change KEPOPTN to specify SMFDATA or SPILLSMFDATA. Then restart the collector. If necessary, arrange to make at least one EDS available for collection prior to restarting the collector.

EC926	EDS SPECIFIED IS SWITCHED
--------------	----------------------------------

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to an EDS that is not available for collection because it is SWITCHED.

System action

The collector ignores the request and continues normally.

User response

Maintain the EDS and retry the command or re-enter the command specifying a different, available EDS.

EC927 EDS SPECIFIED IS INVALID

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to a dataset that is not a valid EDS.

System action

The collector ignores the request and continues normally.

User response

Re-enter the MODIFY command, specifying a valid, available EDS. The invalid EDS should either be dropped from the EDS queue or redefined and initialized as a valid EDS.

EC928 EDS SPECIFIED HAS INCOMPATIBLE LRECL

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to an EDS whose VSAM maximum record size is different from that of the original datastores in the EDS queue.

System action

The collector ignores the request and continues normally.

User response

Re-enter the MODIFY command, specifying a valid, available EDS. The invalid EDS should either be dropped from the EDS queue or redefined with the same VSAM maximum record size as that of the original EDSLIST.

EC929 EDS SPECIFIED CONTAINS DATA FROM ANOTHER SYSTEM

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to an EDS that already contains another system's data, but SYSCHECK was specified in KEPOPTN.

System action

The collector ignores the request and continues normally.

User response

Re-enter the MODIFY command, specifying a valid, available EDS. The EDS containing another system's data should either be maintained or dropped from the EDS queue. Alternatively, to permit the collector to write to such an EDS, stop the collector and change KEPOPTN to specify NOSYSCHECK, then restart the collector.

EC930 EDS SPECIFIED CANNOT BE ALLOCATED

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to another EDS, but the collector was unable to allocate the EDS.

System action

The collector ignores the request and continues normally.

User response

Determine the reason that the EDS could not be allocated and take appropriate action to make it available. Alternatively, re-enter the command, specifying a different, available EDS.

EC931 EDS SPECIFIED CANNOT BE OPENED

Explanation

An MVS MODIFY command entered at an operator console specified that the EPILOG collector should switch to another EDS, but the collector was unable to open the EDS.

System action

The collector ignores the request and continues normally.

User response

Determine the reason that the EDS could not be opened and take appropriate action to make it available. Alternatively, re-enter the command, specifying a different, available EDS.

EC934 EPILOGC MANUAL SWITCH TO SMF COMPLETED ON xxxxx

Explanation

The EPILOG collector completed an operator-requested switch to SMF-only recording. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector continues normally.

User response

None.

EC935	EPILOGC ON xxxx STARTING SWITCH TO NEXT EDS
--------------	--

Explanation

The EPILOG collector has initiated a switch to the next available EDS in the EDS queue (either at operator request or because the active EDS ran out of space). xxxx is the SMF ID of the system on which the collector is running.

System action

The collector continues normally.

User response

None.

EC936	WARNING: EPILOGC SKIPPING UNUSABLE EDS
--------------	---

Explanation

During a switch to the next available EDS, the EPILOG collector skipped an EDS because it was not available for collection.

System action

The collector continues searching the queue for an available EDS. If one is found, the collector starts writing to it; if none is found, the collector terminates or starts SMF-only recording, depending upon the parameters specified in KELOPTN.

User response

Make the skipped EDS available for collection. The collector status display, obtained by issuing an operator MODIFY command, will identify the reason that the EDS was unusable. This exception condition may result in disruption of the normal sequence of automatic EDS selection; to restore the normal sequence, you may need to temporarily stop EDS

recording by stopping the collector or manually switching to SMF-only recording. See EC943 for additional details.

EC937	EPILOGC SWITCHING TO SMF-ONLY RECORDING
--------------	--

Explanation

The EPILOG collector suspended EDS recording because no EDS is available for collection.

System action

The collector continues writing to SMF.

User response

Make at least one datastore available to the collector, then use the MODIFY command to resume EDS recording. The Input/Error Message Log and/or the collector status display provides additional information identifying the reasons for EDS unavailability. After resuming EDS recording, you may arrange for reloading of the missing data from the SMF datasets to an appropriate EDS.

EC938	EPILOGC AUTOMATIC EDS SWITCH COMPLETED ON xxxx
--------------	---

Explanation

The EPILOG collector completed an automatic switch from a full EDS to a subsequent EDS in the queue or to SMF-only recording (if no other EDS was available and SMF recording is permitted). xxxx is the SMF ID of the system on which the collector is running.

System action

The collector continues normally.

User response

None.

EC939	EPILOGC MANUAL EDS SWITCH COMPLETED ON xxxx
--------------	--

Explanation

The EPILOG collector completed an operator-requested switch to another EDS. xxxx is the SMF ID of the system on which the collector is running.

System action

The collector continues normally.

User response

None.

EC940	WARNING: EDS SWITCHED DUE TO OLD DATA
--------------	--

Explanation

During an automatic EDS switch triggered by a change of month, week or day, the EPILOG collector detected that an available EDS contained collected data for a previous month, week or day. The collector changed the collection status of the EDS from AVAILABLE to SWITCHED, making it unavailable for collection until maintained. This message will be followed by message EB930, which identifies the EDS dataset name. This condition can occur only when switching by month, week or day has been specified in KEPOPTN using the EDSSWITCH keyword of the OPTIONS statement; monthly, weekly and daily switching implies isolation of EDS data by time period, which prevents the recording of data to an EDS which already contains data for a previous time period.

System action

The collector continues normally.

User response

Maintain the EDS to make it available for collection.

EC941	WARNING: NEXT EDS IS NOT AVAILABLE
--------------	---

Explanation

The EDS that follows the active EDS in the queue is not currently available for collection. The EPILOG collector issues this message at the conclusion of an EDS switch and in conjunction with warnings about EDS space utilization (see EC899).

System action

The collector continues normally.

User response

This message is a warning that the EDS following the currently-active EDS must be maintained before the next EDS switch occurs so that the collector will be able to switch to it. It may signal that EDS maintenance procedures were unsuccessful. If appropriate, check the results of the last-started maintenance job/task. This message should be interpreted in the context of concurrent events and

messages but usually implies that manual intervention is required to make an EDS available to the collector.

EC942	WARNING: MAINTPROC NOT STARTED
--------------	---------------------------------------

Explanation

The EPILOG collector completed an EDS switch, but did not start the EDS maintenance procedure specified in KEPOPTN because of exceptional circumstances.

System action

The collector continues normally.

User response

A subsequent message will identify the reason that the collector failed to initiate automatic maintenance. Manually-initiated EDS maintenance is usually required.

EC943	ACTIVE EDS WAS SELECTED OUT-OF-ORDER
--------------	---

Explanation

The EPILOG collector attempted to switch to the next EDS but it was not available. It switched instead to a subsequent available EDS in the queue.

System action

The collector bypasses automatic EDS maintenance and continues.

User response

Although the collector switched to the first available EDS that it found to avoid interrupting data collection, the normal sequence of automatic EDS selection has been disrupted. In this situation, the collector bypasses automatic EDS maintenance (does not start the user-specified maintenance PROC) to avoid prematurely destroying or archiving previously-collected data. The corrective action required depends on the status of the collector's EDS queue, which may be displayed by issuing an operator MODIFY command. Usually, manual intervention is required to make at least one unavailable EDS available for collection and to initiate EDS maintenance. You may also need to stop the collector or to temporarily switch to SMF-only recording in order to reorganize the EDS queue and re-establish the proper sequence of automatic EDS selection. This is a particularly important consideration if you have specified monthly, daily or weekly EDS switching.

EC944 **NEXT EDS IS UNAVAILABLE****Explanation**

At the conclusion of an EDS switch, the EPILOG collector attempted to determine whether the EDS following the active EDS was available for collection. However, the EDS was unavailable (It could not be allocated or opened, or it was not a valid EDS.) and the collector was unable to determine whether it required maintenance.

System action

The collector bypasses automatic maintenance but otherwise continues normally.

User response

Determine the reason that the next EDS is unavailable and arrange to make it available before the next EDS switch. See the Input/Error Message Log and the collector status display for additional information about the reasons for the unavailability of the EDS.

EC945 **NEXT EDS IS AVAILABLE****Explanation**

The next EDS in the EDS queue (the EDS following the one that is currently active) is available to the EPILOG collector for data recording.

System action

The collector continues normally.

User response

None. This message is usually issued to confirm that EDS maintenance is not required since the collector will have an EDS to write to when the next switch occurs.

EC946 **MAINTPROC STARTED CODE = *nn*****Explanation**

At the conclusion of an automatic EDS switch, the EPILOG collector attempted to start the EDS maintenance PROC specified in KEPOPTN to maintain the EDS that follows the one just activated. *nn* is the decimal completion code from the internal execution of the MVS START command. (It does not indicate whether the maintenance task successfully completed.)

System action

The collector continues collection to the currently-active EDS (and to SMF, if requested) regardless of the success of the START command and the outcome of EDS maintenance.

User response

If *nn* is 0, the maintenance PROC was started successfully and no action is required unless it fails. A value of *nn* other than 0 indicates a START command processing error and may signal an internal EPILOG error. Contact IBM Software Support for assistance. In the event of any error that prevents maintenance from being completed, manual intervention is required to make the next EDS available for collection before the next EDS switch occurs. JCL errors in the procedure must also be corrected prior to the next EDS switch to prevent a recurrence of this problem. Note that while the collector does not directly monitor the started maintenance task, it will issue a message describing the status of the next EDS at the time that space utilization in the currently-active EDS attains the threshold specified by the WARNING keyword in KEPOPTN; if this message indicates that the next EDS is not available, a maintenance task failure may be assumed when automatic maintenance is in effect.

EC947 **EDS ADDED, DSN=*eds-dsname*****Explanation**

The specified dataset name was successfully added to the EPILOG collector's EDS queue. This message is usually issued in response to an operator MODIFY command requesting dynamic addition of a dataset name to the collector's EDS queue.

System action

The collector continues normally.

User response

None.

EC948 **EDS DROPPED, DSN=*eds-dsname*****Explanation**

The specified dataset name was successfully removed from the EPILOG collector's EDS queue. This message is issued in response to an operator MODIFY command requesting dynamic removal of a dataset name from the collector's EDS queue.

System action

The collector continues normally.

User response

None.

EC980	EPILOGC CACHE SERVICE ERROR DETECTED
--------------	---

Explanation

An error has been detected during cache processing.

System action

None.

User response

Contact IBM Software Support.

EC981	EPILOGC CACHE INITIALIZATION GETMAIN FAILURE
--------------	---

Explanation

There was not enough storage for cache statistics collection.

System action

Same as message 982.

User response

If cache statistics are desired, you must restart the collector with a larger region size.

EC982	EPILOGC ERROR LOADING CACHE SERVICE MODULE
--------------	---

Explanation

The EPILOG collector was unable to access the Cache Information Services (CIS) module needed for cache statistics collection.

System action

The collector processing continues; however, cache statistics will not be collected.

User response

The cache service functions are contained in a separate load module in the target load library. Ensure that EPILOG has been installed correctly.

EC990	APF AUTHORIZATION REQUIRED
--------------	-----------------------------------

Explanation

The collector is unable to continue because it is not APF authorized. This message is issued by the collector router module, KEPCOLL, when it detects that APF authorization is lacking.

System action

The collector terminates without starting data collection.

User response

Verify that the load library from which the collector is being run (normally the SMP target library RKANMOD) is APF authorized. If not, add the appropriate information to SYS1.PARMLIB(IEAAPFxx); if so, verify that the correct load library is specified by the STEPLIB DD statement in the JCL that is used to run the collector. Restart the collector after making the necessary adjustments.

EC991	UNABLE TO LOCATE MVS-RELEASE-DEPENDENT COLLECTOR MODULE xxxxxx
--------------	---

Explanation

The collector is unable to continue because it is unable to load the collection service module (xxxxxx) for the release of MVS under which it is being executed.

System action

The collector terminates without starting data collection.

User response

In the message, xxxxxx is the PDS member name of the missing load module. Normally, this module resides in the SMP target load library RKANMOD. If it is missing, a likely reason is that the FMID that distributes it has not been installed properly. Verify that all EPILOG FMIDs have been installed successfully through SMP APPLY. SMP reporting facilities may be used to ascertain the status of load module xxxxxx. Contact IBM Software Support for assistance if necessary. Restart the collector after correcting the problem. Note that this message is normal if you attempted to run the collector under a release of MVS under which you are not licensed to run it.

EC992	LOADING MVS-RELEASE-DEPENDENT COLL MODULE xxxxxx
--------------	---

Explanation

The collector has successfully loaded the collection service module (xxxxxx) for the release of MVS under which it is running.

System action

The collector continues normally.

User response

None. This is an informational message.

ECD000	EPILOG IMS WILL NOT COLLECT IMS SYSTEM DATASET STATISTICS: GETMAIN FAILED, MODE=UNCOND
---------------	---

Explanation

EPILOG does not have enough memory to create the dataset work area.

System action

EPILOG does not collect statistics for the DIS RDAS panel.

User response

See the Configuration Guide for region size needed. If the region size is sufficient and the problem persists, call IBM Software Support.

ECF000	EPILOG IMS WILL NOT COLLECT FIXED BUFFER POOL STATISTICS
---------------	---

Explanation

A GETMAIN for the combined fixed pool statistics work area failed.

System action

EPILOG will not collect the combined fixed pool statistics.

User response

Increase the region size.

ECV000	EPILOG/IMS WILL NOT COLLECT FAST PATH VSO STATS: GETMAIN FAILED
---------------	--

Explanation

EPILOG cannot collect Fast Path VSO statistics.

System action

None

User response

Bring OMEGAMON down and back up. Recycle with a larger region size.

ECV001	EPILOG/IMS WILL NOT COLLECT FAST PATH VSO STATS: NO VSO AREAS
---------------	--

Explanation

EPILOG did not find any VSO control blocks.

System action

EPILOG cannot collect Fast Path VSO statistics.

User response

None.

ECV002	EPILOG/IMS WILL COLLECT FAST PATH VSO STATISTICS AS THERE ARE NOW VSO AREAS
---------------	--

Explanation

EPILOG found VSO control blocks.

System action

EPILOG will collect Fast Path VSO statistics.

User response

None.

ECW000	EPILOG/IMS WRITE TASK INITIALIZATION COMPLETED
---------------	---

Explanation

The task that writes the EPILOG data to the EPILOG datastore has been successfully initialized.

System action

Information can now be written to the EPILOG datastore (EDS).

User response

None.

ECW002	IMS GROUP DEFINITION WRITTEN TO EPILOG/IMS EDS
---------------	---

Explanation

The IMS group definition has been written to the EPILOG datastore (EDS) for this collection interval.

System action

The data is now available for display by the EPILOG reporter.

User response

None.

ECW004	IMS RESOURCE DATA WRITTEN TO EPILOG/IMS EDS
---------------	--

Explanation

The IMS resource data record has been written to the EPILOG datastore (EDS) for this collection interval.

System action

The data is now available for display by the EPILOG reporter.

User response

None.

ECW005	EPILOG/IMS DB I/O STATISTICS FOR PREVIOUS INTERVAL WERE ONLY PARTIAL DUE TO INSUFFICIENT STORAGE IN THE REGION. THIS MAY AFFECT ANALYSIS.
---------------	--

Explanation

The EPILOG write task tried to write out inactive database I/O data, because the previous I/O for the name data area had not completed.

System action

The EPILOG write task terminates.

User response

Call IBM Software Support.

ECW006	IMS WORKLOAD DATA WRITTEN TO EPILOG/IMS EDS
---------------	--

Explanation

The IMS workload data record has been written to the EDS for this collection interval.

System action

The data is now available for display by the EPILOG reporter.

User response

None.

ECW007	EPILOG/IMS WRITE TASK TERMINATING
---------------	--

Explanation

The task that writes the EPILOG data to the EDS has been terminated normally.

User response

None.

ECW903	EPILOG/IMS WRITE TASK FAILED OBTAINING TASK WORK AREA
---------------	--

Explanation

An error occurred trying to GETMAIN a work area for the EPILOG write subtask.

System action

The writer subtask terminates.

User response

See the Configuration and Customization Guide for region size needed. If the region size is sufficient and the problem persists, call IBM Software Support.

ECW905	EPILOG/IMS WRITE TASK FAILED OBTAINING STACK AREA
---------------	--

Explanation

An error occurred during EPILOG write subtask save area processing.

System action

The EPILOG write subtask terminates. A U0302 abend follows this message.

User response

See the Configuration and Customization Guide, for region size needed. If the region size is sufficient and the problem persists, call IBM Software Support.

ECW907	EPILOG/IMS WRITE TASK ESTAE FAILURE - ABENDING
---------------	---

Explanation

An error occurred while the EPILOG write subtask was establishing its ESTAE environment.

System action

The EPILOG write subtask terminates. A user abend with the ESTAE return code accompanies this message.

User response

This is an internal software error and not a user problem. Call IBM Software Support.

ECW913	EPILOG/IMS WRITE TASK FAILED TO LOCATE GLOBAL VECTOR TABLE - ABENDING
---------------	--

Explanation

An error occurred when the EPILOG write subtask tried to access the global vector table (an EPILOG internal control block).

System action

The EPILOG write subtask terminates. This message is accompanied with a U0304 abend.

User response

This is an internal software error and not a user problem. Call IBM Software Support.

ECW915	EPILOG/IMS COMMON WRITE TASK FAILED TO LOCATE IMS SCD - TERMINATING
---------------	--

Explanation

An error occurred when the EPILOG write subtask tried to reference the IMS SCD.

System action

The EPILOG write subtask terminates.

User response

This is an internal software error and not a user problem. Call IBM Software Support.

ECW917	EPILOG/IMS WRITE TASK UNABLE TO LOCATE IMS COLLECTOR - TERMINATING
---------------	---

Explanation

An error occurred when the EPILOG write subtask tried to load module KEIICxy.

System action

The EPILOG write subtask terminates. A U0307 abend follows this message.

User response

This is an internal software error and not a user problem. Call IBM Software Support.

ECW919	EPILOG/IMS WRITE TASK FAILED RELEASING WORK STACK
---------------	--

Explanation

An error occurred during EPILOG write subtask save area processing.

System action

The EPILOG write subtask terminates. A U0302 abend follows this message.

User response

This is an internal software error and not a user problem. Call IBM Software Support.

ECW921	EPILOG/IMS WRITE TASK ABENDING AT TASK TERMINATION
---------------	---

Explanation

This message is issued whenever EPILOG write task has abended.

System action

EPILOG write task continues termination.

User response

Call IBM Software Support with appropriate abend code.

ECW923	EPILOG/IMS QUICK CELL AND HASH TABLE ENTRIES NOT IN SYNC - KEICWxy TERMINATING
---------------	---

Explanation

The count of storage cells used to keep track of database I/O does not agree with the count of hash table entries used for database lookup.

System action

The EPILOG write task terminates. A U0365 abend follows this message.

User response

Call IBM Software Support with appropriate abend code. Save the dump for them to use in determining the problem.

ECW925	EPILOG/IMS DB/IO FREE CELL ERROR - EPILOG/IMS WRITE TASK TERMINATING
---------------	---

Explanation

An error occurred when the system tried to free one of the storage cells used to keep track of database I/O.

System action

The EPILOG write task terminates. This message is followed by a U0366 abend.

User response

Check the device on which EDS is located; problems such as contention can prevent the writes to EDS from completing within the specified interval.

ECW927	EPILOG/IMS DB/IO QUICK CELLS NOT ALL FREED - EPILOG/IMS WRITE TASK TERMINATING
---------------	---

Explanation

An error occurred when the system tried to free all of the storage cells used to keep track of database I/O. All storage cells were not freed.

System action

The EPILOG write task terminates. This message is followed by a U0367 abend.

User response

Check the device on which EDS is located; problems such as contention can prevent the writes to EDS from completing within the specified interval.

ECW929	EPILOG/IMS WRITE TASK ESTAE ENTERED WITH AN INVALID WORK AREA
---------------	--

Explanation

An error occurred when EPILOG write subtask ESTAE routine received control.

System action

The EPILOG write subtask continues termination without cleanup. An U0303 abend accompanies this message.

User response

This is an internal software error and not a user problem. Call IBM Software Support.

EDT001	EPILOG/IMS CYCLE TASK INITIALIZATION COMPLETE
---------------	--

Explanation

This message is displayed when EPILOG has begun collecting bottleneck analysis information.

System action

The bottleneck analysis collector is started.

User response

None.

EDT005	EPILOG/IMS CYCLE TASK TERMINATING
---------------	--

Explanation

This message is displayed when EPILOG has stopped collecting bottleneck analysis information.

System action

The bottleneck analysis collector terminates.

User response

None.

EDT903	EPILOG/IMS CYCLE TIMER TASK FAILED TO OBTAIN TASK WORK AREA - TERMINATING
---------------	--

Explanation

The bottleneck analysis collector cycle task for EPILOG was unable to GETMAIN storage for a workarea.

System action

The EPILOG task that coordinates bottleneck analysis information terminates.

User response

Stop the EPILOG address space and restart it with a larger region size.

EDT905	EPILOG/IMS CYCLE TIMER TASK UNABLE TO ESTABLISH ESTAE - ABENDING
---------------	---

Explanation

The bottleneck analysis collector cycle task for EPILOG was unable to establish an ESTAE for error recovery purposes.

System action

The EPILOG task that coordinates bottleneck analysis information abends.

User response

Call IBM Software Support.

EDT907	ESTAE ENTERED WITH INVALID WORK AREA
---------------	---

Explanation

The error recovery routine (ESTAE) for the EPILOG bottleneck analysis cycle collection task was entered with the address of an invalid work area.

System action

The EPILOG task that coordinates bottleneck analysis information abends.

User response

Call IBM Software Support.

EDV905	EPILOG/IMS COLLECTOR FAILED ALLOCATING DEVICE ADDRESS TABLE
---------------	--

Explanation

The EPILOG collector task that gathers information about the DASD devices allocated to IMS was unable to GETMAIN one of its tables.

System action

No DASD device information is collected during this EPILOG collection cycle.

User response

Stop the EPILOG address space and restart it using a larger region size. If this message persists, call IBM Software Support.

EDV920	EPILOG/IMS FAILED TO ALLOCATE DASD STATISTICS TABLE
---------------	--

Explanation

See message EDV905.

System action

See message EDV905.

User response

See message EDV905.

EDV925	EPILOG/IMS FAILED TO LOCATE DEVICE EVENT DATA TABLE
---------------	--

Explanation

The EPILOG collector task that gathers information about the DASD devices allocated to IMS was unable to locate the RMF device event data table.

System action

No RMF device information is collected during this EPILOG collection cycle.

User response

Check to see if RMF is active and monitoring DASD devices. If so, call IBM Software Support.

EDV935	EPILOG/IMS FAILED TO LOCATE THE TARGET DEVICE CLASS
---------------	--

Explanation

The EPILOG collector task that gathers information about the DASD devices allocated to IMS was unable to locate the RMF data for DASD devices.

System action

No RMF device information is collected during this EPILOG collection cycle.

User response

Check to see if RMF is active and monitoring DASD devices. If so, call IBM Software Support.

EDV940	EPILOG/IMS DEVICE STATISTICS RECORD IS TRUNCATED
---------------	---

Explanation

There is more data for DASD devices allocated to IMS than can fit in the largest EPILOG VSAM record allowed.

System action

The EPILOG VSAM record truncates and statistics for one or more DASD devices are lost.

User response

The LRECL of the EPILOG Datastore (EDS) needs to be increased. This may require that the CISIZE be enlarged, or that spanned records be specified. You can define a new EDS, and then REPRO the old EDS data into the new EDS.

EIL010	cccc - PST TABLE ADDRESS EQUAL TO ZERO
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate its internal control tables. This is an internal error.

System action

Information about Fast Path region sync points are not being collected. A dump may be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL020	cccc - CURRENT BUCKET ADDRESS EQUAL TO ZERO
---------------	--

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate one of its internal control tables. This is an internal error.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL030	cccc - CURRENT BUCKET IS LOCKED
---------------	--

Explanation

cccc is the module issuing the message. An EPILOG collector internal control block was locked.

System action

EPILOG does not collect information about Fast Path region sync points for that collect cycle. A dump may be generated if the buckets remain locked.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL040	cccc - REGION ID TABLE ADDRESS EQUAL TO ZERO
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate one of its internal control tables. This is an internal error.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL050	cccc - IMS SCD ADDRESS EQUAL TO ZERO
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate IMS SCD.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL060 **cccc - VALID SCD NOT FOUND**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate valid IMS SCD.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL070 **cccc - IMS ESCD ADDRESS EQUAL TO ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate IMS ESCD.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL080 **cccc - VALID ESCD NOT FOUND**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate a valid IMS ESCD.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL090 **cccc - UNABLE TO OBTAIN RSA**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to obtain the register save area (RSA).

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL100 **cccc - EMDA ADDRESS EQUAL TO ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action

EPILOG will not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL110 **cccc - GVT ADDRESS EQUAL TO ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL120 **cccc - LOG RECORD ADDRESS EQUAL TO ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL130	cccc - EI DEFINITION AREA ADDRESS EQUAL TO ZERO
---------------	--

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL140	cccc - EI DEFINITION AREA POINTER EQUAL TO ZERO
---------------	--

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL150	cccc - PST TABLE POINTER EQUAL TO ZERO
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL160	cccc - CURRENT BUCKET POINTER EQUAL TO ZERO
---------------	--

Explanation

cccc is the module that issued the message. The EPILOG collector was not able to locate an internal control block.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL170	cccc - REGION ID IS TOO LARGE
---------------	--------------------------------------

Explanation

cccc is the module that issued the message. EPILOG found a region ID greater than 255 in a `5937' log record.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL180	cccc - REGION ID IS TOO SMALL
---------------	--------------------------------------

Explanation

cccc is the module that issued the message. EPILOG found a region ID less than 0 in a `5937' log record.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL190 **cccc - CBTA POINTER IS EQUAL TO ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate the CBTA pointer.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL200 **cccc - CBTA DIRECTORY INVALID**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate a value in the CBTA directory.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL210 **cccc - NO CBTA TABLE ENTRIES**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate any CBTA entries.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL220 **cccc - CBTA ENTRY NOT FOUND**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate any CBTA entries.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL230 **cccc - CBT IPAGE POINTER EQUAL TO ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate a pointer to an IPAGE.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL240 **cccc - INVALID DPST FOUND**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate a valid DPST.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL250 **cccc - FIRST PST POINTER IS ZERO**

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate an internal control block.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL260	cccc - NUMBER OF PSTS GREATER THEN 255
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector determined that the number of PSTs is greater than 255.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL270	cccc - NUMBER OF PSTS EQUALS ZERO
---------------	--

Explanation

cccc is the module that issued the message. The EPILOG collector determined that the number of PSTs equals 0.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL280	cccc - REGION ID NOT FOUND IN PST TBL
---------------	--

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate a region ID in an internal table.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL290	cccc - REGION ID MATCH NOT FOUND
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector could not locate a region ID in an internal table.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL300	cccc - CELL NOT AVAILABLE
---------------	----------------------------------

Explanation

cccc is the module that issued the message. The EPILOG collector could not obtain a memory cell.

System action

EPILOG does not collect information about Fast Path region sync points. A dump may also be generated.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EIL310	cccc - EPILOG/IMS FAST PATH SYNC RECORD IS TRUNCATED
---------------	---

Explanation

cccc is the module that issued the message. The EPILOG collector truncated an EPILOG record.

System action

Information about Fast Path region sync points will not be complete.

User response

If the message persists, call IBM Software Support.

EIL320 **cccc - FREE CELL ERROR**

Explanation

cccc is the module that issued the message. The EPILOG collector encountered an error condition when attempting to free a memory cell.

System action

Information about Fast Path region sync points will not be complete. A user abend 500 will be produced.

User response

If the message persists, gather any related messages and dumps and call IBM Software Support.

EI800 **LOOP DETECTED IN KEYWORD
TABLE SEARCH**

Explanation

An internal error has occurred while processing the keyword table.

System action

The EPILOG command terminates.

User response

Re-enter the command; if the problem persists, call IBM Software Support.

EI810 **OPTION IS NOT A VALID DEXAN
REASON**

Explanation

A DISPLAY command with the ON keyword was entered to request a summary display of a specific bottleneck reason, but the name which was entered is not a valid DEXAN reason name.

System action

The display command is rejected.

User response

Enter a valid DEXAN reason name.

EI820 **KEYWORDS ON AND DATABASE
ARE MUTUALLY EXCLUSIVE**

Explanation

The ON keyword requests a summary display for a specific bottleneck reason (for trend analysis), while the DATABASE keyword requests a summary display for a specific database. Only one of these can be requested at a time.

System action

The display command is rejected.

User response

Choose either ON or DATABASE.

EI830 **DEGRADATION REASON ID
TRANSLATION HAS FAILED**

Explanation

EPILOG was unable to translate the bottleneck reason ID in an EPILOG data record.

System action

The bottleneck analysis display truncates.

User response

Call IBM Software Support.

EI835 **PLOTPCT VALID ONLY WITH
SUMMARY KEYWORD**

Explanation

The PLOTPCT keyword requests that a trending plot of percent bottleneck over time be displayed. This request is only valid on a summary display.

System action

The display command is rejected.

User response

Add the SUMMARY keyword to the display command.

EI836 **PLOTPCT AND PLOTTIME ARE
MUTUALLY EXCLUSIVE**

Explanation

The PLOTPCT keywords requests the plotting of degradation wait reason percentages, while the PLOTTIME keyword requests the plotting of degradation wait reason times. Only one keyword can be specified at a time.

System action

The command is rejected.

User response

Choose one of the two keywords and repeat the command.

EI850	ONLY ONE SET OF RANGE PARMS ALLOWED
--------------	--

Explanation

The resource type keyword contained an operand that included more than one range (for example, 1:3 5:8). Only one set of range parameters can be specified at a time.

System action

The command is rejected.

User response

Remove one of the ranges and repeat the command.

EI851	MISSING END OF RANGE
--------------	-----------------------------

Explanation

The resource type keyword included an operand that did not contain the end of range value (for example, 1:).

System action

The command is rejected.

User response

Correct the command and rerun it.

EI852	RANGE START NOT LESS THAN RANGE END
--------------	--

Explanation

The resource type keyword included an operand that specified a range-end value which was less than the start-of-range value (for example, 3:1).

System action

The command is rejected.

User response

Correct the command and rerun it.

EI853	MAXIMUM OF 10 PARMS ALLOWED
--------------	------------------------------------

Explanation

The resource type keyword included an operand that specified more than 10 parameters. A maximum of 10 are allowed.

User response

Correct the command and rerun it.

EI855	ONLY 1 DATABASE NAME ALLOWED
--------------	-------------------------------------

Explanation

The command specified multiple database names with the CATEGORY/DBS keywords. Only one database name can be specified at a time.

System action

The command is rejected.

User response

Correct the command and rerun it.

EI856	WILD CARD CHARACTER (*) ONLY VALID AT END OF PARM
--------------	--

Explanation

A wild card (*) was specified in a location other than the end of the keyword parameter. The wild card character can only be specified in the last position of operand value; for example, RDBE(IM*).

System action

The command is rejected.

User response

Correct the command and rerun it.

EI857	INVALID TRANSACTION GROUP NUMBER
--------------	---

Explanation

An invalid number was specified with the GRP keyword. The GRP keyword operand must be a number between 1-30 or a symbolic group name.

System action

The command is rejected.

User response

Correct the command and rerun it.

EI858	ON KEYWORD ONLY VALID WITH SUMMARY DISPLAY
--------------	---

Explanation

The ON keyword requests a summary display for a specific degradation wait reason. It is only valid with SUMMARY displays.

System action

The command is rejected.

User response

Correct the command and rerun it.

EI859	CATEGORY ONLY VALID WITH SUMMARY DISPLAY
--------------	---

Explanation

The CATEGORY keyword was specified for a DETAIL display. It is only valid for SUMMARY displays.

System action

The command is rejected.

User response

Correct the command and rerun it.

EI860	MAXSCALE OF ZERO NOT ALLOWED
--------------	-------------------------------------

Explanation

The MAXSCALE operand value was zero. The MAXSCALE operand value should be a valid time value; for example, MAXSCALE(1M).

User response

Correct the command and rerun it.

EI861	INVALID OPERAND VALUE SPECIFIED WITH GSUM KEYWORD
--------------	--

Explanation

The operand value specified with the GSUM keyword was not valid. Valid values are R0, R1, OQ, IQ, PI, and PR.

System action

The command is rejected.

User response

Correct the command and rerun it.

EI862	DATA LINE BUILD ERROR. AUTO OPTION TERMINATED.
--------------	---

Explanation

EPILOG attempted to build an output print line due to a DISPLAY command with the AUTO option specified.

System action

The AUTO option terminates; DISPLAY processing continues.

User response

This problem may occur because of insufficient storage. Increase your region parameter on your JOB or EXEC statement. If the problem continues, contact IBM Software Support.

EI952	DATASTOR REQUIRES USE OR DROP KEYWORD
--------------	--

Explanation

The DATASTOR command requires the USE or DROP keyword to direct its action against the available EDS.

System action

The command terminates.

User response

Specify DROP to unallocate the current EDS, or USE to make a new EDS available.

EI953	DATASTOR REQUIRES EDS KEYWORD
--------------	--------------------------------------

Explanation

The DATASTOR command requires the EDS keyword to identify the EDS to process.

System action

The command terminates.

User response

Issue the EDS keyword and provide the name of the EDS to be processed.

EI956	SEVERE ERROR ENCOUNTERED IN EBETBAD
--------------	--

Explanation

The EBETBAD routine encountered a severe error while processing an EDS-related command.

System action

The command terminates.

User response

Call IBM Software Support.

EI960	EDS dsname HAS INVALID FORMAT - NOT ADDED
--------------	--

Explanation

The dataset name specified in the EDS keyword of the DATASTOR command had an invalid format.

System action

The command terminates.

User response

Make sure the dataset name has eight or fewer characters in a single qualifier and that only one period is used between qualifiers. Correct the dataset name and reissue the command.

EI961	INVALID VALUE FOR DROP KEYWORD
--------------	---------------------------------------

Explanation

The value of the EDS keyword of the DATASTOR DROP command was invalid. The value should be either the number 1 or the word ALL. The EDS keyword itself is optional for the DATASTOR DROP command.

System action

The command terminates.

User response

Correct the EDS keyword's value and reissue the command.

EOS000	EPILOG/IMS WILL NOT COLLECT ISAM/OSAM SUBPOOL STATISTICS
---------------	---

Explanation

EPILOG found that no ISAM/OSAM subpools were defined to the IMS system.

System action

EPILOG does not collect ISAM/OSAM subpool statistics.

User response

None. This may be normal if no ISAM/OSAM subpools are defined in your IMS system.

EOS900	EPILOG/IMS COLLECTOR FAILED TO OBTAIN ISAM/OSAM SUBPOOL STATISTICS AREA
---------------	--

Explanation

The task that collects statistics on the ISAM/OSAM subpool was unable to GETMAIN sufficient storage for a work area.

System action

The task terminates with an abend.

User response

Allocate a larger region size for the EPILOG address space.

EP400	GENERIC PROFNAME IS INVALID WITH COMPARE
--------------	---

Explanation

The COMPARE command does not accept an asterisk (*) with PNAME as a generic profile name.

System action

EPILOG bypasses this command.

User response

Specify a 1-6 character profile name or accept the PNAME default.

EP402	MULTIPLE WORKLOADS INVALID WITH SETP COMMAND
--------------	---

Explanation

The SETP command does not support multiple workloads.

System action

EPILOG SETP bypasses the workload specification, and continues processing the other keywords.

User response

Specify only one workload in SETP command.

EP403	SUMMARY INVALID WITH DISPLAY PNAME
--------------	---

Explanation

SUMMARY and PNAME are mutually exclusive on the DISPLAY command.

System action

EPILOG terminates the command.

User response

If you want a Profile Report, eliminate the SUMMARY keyword.

EP404	MERGE INVALID WITH RESOURCE/WORKLOAD REQUESTED
--------------	---

Explanation

MERGE as a sub-parameter of the SYSID keyword is currently only valid for the DISPLAY RDAS command.

System action

The reporter is ready for the next command input.

User response

None.

EP405	COMBINE NOT ALLOWED WITH JDAS/PDAS KEYWORDS
--------------	--

Explanation

Use of the COMBINE keyword is not valid when entering the DISPLAY JDAS or DISPLAY PDAS commands.

System action

The reporter is ready for the next command input.

User response

None.

EP406	TOTAL NOT ALLOWED WITH JDAS/PDAS KEYWORDS
--------------	--

Explanation

Use of the TOTAL keyword is not valid when entering the DISPLAY JDAS or DISPLAY PDAS commands.

System action

The reporter is ready for the next command input.

User response

None.

EP407	RIF PARAMETER INVALID FOR REQUESTED RESOURCE REPORT
--------------	--

Explanation

The RIF parameter supplied on a DISPLAY, EXTRACT or OBTAIN command was not valid for the one or more report types requested. The message is accompanied by a second line which identifies the parameter and the related report type.

System action

The reporter waits for the next command.

User response

Eliminate the invalid parameter or report request and retry the command.

EP408	RIF FOR RESOURCES NOT ALLOWED ON WORKLOAD REQUEST
--------------	--

Explanation

The RIF parameter supplied on a DISPLAY, EXTRACT or OBTAIN command is valid for resource reports, but a workload report has been requested.

System action

The reporter waits for the next command.

User response

Eliminate the invalid parameter and retry the command.

**EP409 SIF KEYWORD INVALID FOR
RESOURCE REPORTS**

Explanation

The SIF keyword was supplied on a DISPLAY, EXTRACT or OBTAIN command requesting a resource report.

System action

The reporter waits for the next command.

User response

Eliminate the SIF parameter, or substitute a workload report request for the resource report request and retry the command.

**EP410 RIF FOR WORKLOADS NOT
ALLOWED ON RESOURCE
REQUEST**

Explanation

The RIF parameter supplied on a DISPLAY, EXTRACT or OBTAIN command is valid for workload reports, but a resource report has been requested.

System action

The reporter waits for the next command.

User response

Eliminate the invalid parameter and retry the command.

EP411 XPG INVALID WITH PNAME

Explanation

The PNAME and XPG keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the XPG or the PNAME and try again.

EP412 AVERAGE INVALID WITH PNAME

Explanation

The AVERAGE and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the AVERAGE or the PNAME and try again.

EP413 TOTAL INVALID WITH PNAME

Explanation

The TOTAL and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the TOTAL or the PNAME and try again.

EP414 STEP INVALID WITH PNAME

Explanation

The STEP and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the STEP or the PNAME and try again.

EP415 COMBINE INVALID WITH PNAME

Explanation

The COMBINE and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the COMBINE or the PNAME and try again.

EP416 SINGLE INVALID WITH PNAME

Explanation

The SINGLE and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the SINGLE or the PNAME and try again.

EP417 DETAIL INVALID WITH PNAME

Explanation

The DETAIL and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the DETAIL or the PNAME and try again.

EP418 RESOURCE INVALID WITH PNAME

Explanation

The RESOURCE and PNAME keywords are mutually exclusive.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the RESOURCE or the PNAME and try again.

EP419 MAXSCALE INVALID WITH PNAME

Explanation

The MAXSCALE keyword is only supported for SUMMARY displays.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove either the MAXSCALE or the PNAME and try again.

EP420 NO WORKLOAD OR PROFILE NAME SPECIFIED

Explanation

A workload must be specified if PNAME is coded without an operand.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Include a workload or a profile name and re-submit the command.

EP421 SIF INVALID WITH PNAME

Explanation

SELECTIF exceptions are not allowed on the DISPLAY command when a profile name has been specified.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Replace the SELECTIF keyword with REPORTIF.

EP422 EXW INVALID WITH PNAME

Explanation

Excluded waits are not allowed on the DISPLAY command when a profile name has been specified.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove the excluded wait and try again.

EP423 **AUTO INVALID WITH PNAME**

Explanation

The AUTOMATIC keyword is not allowed on the DISPLAY command when a profile name has been specified.

System action

EPILOG bypasses the command and continues scanning the statement.

User response

Remove the AUTOMATIC keyword and try again.

EP424 **PGN OR RPGN IS REQUIRED FOR
THE PGP SELECTION**

Explanation

The user must specify a performance group identifier with the PGN or RPGN keyword when requesting performance group period selection with the PGP keyword.

System action

EPILOG bypasses the current command.

User response

Include the PGN or RPGN keyword with the PGP keyword.

EP425 **SUMMARY INVALID WITH
COMPEXT**

Explanation

The SUMMARY keyword cannot be used with the COMPEXT command.

System action

EPILOG bypasses the current command.

User response

Reissue the command without the SUMMARY keyword.

EP426 **INTERVAL NOT ALLOWED WITH
JDAS/PDAS KEYWORDS**

Explanation

You cannot specify an INTERVAL keyword with the JDAS or PDAS display command.

System action

EPILOG bypasses the current command.

User response

Reissue the command without the INTERVAL keyword.

EP430 **DISPLAY OF RSCL RESOURCE NOT
SUPPORTED**

Explanation

The RSCL resource data is only available through the OBTAIN and EXTRACT commands.

System action

None.

User response

Use the OBTAIN or EXTRACT command to get RSCL resource data.

EP431 **EDSLRECL TOO SMALL TO
ACCOMMODATE AVAILABLE EPILOG
DATA**

Explanation

The EDS record length was insufficient to accommodate the WLM Goal Mode data gathered from SMF type 72 subtype 3 records.

System action

As much data as can be accommodated is written to the EDS and an indication and count of data sections missing are maintained in the record.

User response

If the EDS is defined at less than the maximum LRECL of 32K, increase the LRECL on the EDS definition. If required, the SMF type 72 subtype 3 records can be used as input to the EPILOG maintenance utility which can be run against the EDS with the increased LRECL to recover all or part of the data that was truncated.

EP432 **DISPLAY OF SCL, RCL, and WKL
NOT SUPPORTED**

Explanation

An attempt was made to issue the DISPLAY command specifying the WLM workload keywords.

System action

None.

User response

Use OBTAIN or EXTRACT to get this report information.

EP433	PER(IOD) CAN ONLY BE SPECIFIED WITH SERVCLAS
--------------	---

Explanation

An attempt was made to use the PER(IOD) keyword on a report type other than SERVCLAS.

System action

None.

User response

Remove the PER(IOD) keyword and issue the command or change the report type to SERVCLAS and reissue the command.

EP500	EXCLUDE INVALID WITH MULTIPLE DATASTORES
--------------	---

Explanation

The EXCLUDE command can only be used for one datastore per job.

System action

EPILOG bypasses the command and terminates the job.

User response

Use separate jobs for each datastore.

EP600	DATA RECORD MISSING
--------------	----------------------------

Explanation

EPILOG was unable to find a data record during processing.

System action

EPILOG bypasses the current command.

User response

This is an internal processing error relating to the Profile datastore; it is not a user problem. Contact IBM Software Support.

EP610	POINTER RECORD MISSING
--------------	-------------------------------

Explanation

EPILOG was unable to find a pointer record during processing.

System action

EPILOG bypasses the current command.

User response

This is an internal processing error relating to the Profile datastore; it is not a user problem. Contact IBM Software Support.

EP620	VSAM I/O ERROR
--------------	-----------------------

Explanation

EPILOG was unable to complete the VSAM I/O successfully during processing.

System action

EPILOG bypasses the current command.

User response

This is an internal processing error relating to the Profile datastore; it is not a user problem. Contact IBM Software Support.

EP630	NO PROFILE RECORDS MATCHED SELECTION CRITERIA
--------------	--

Explanation

EPILOG was unable to find a Profile datastore record that matched the user's selection criteria.

System action

None.

User response

None.

EP640	NO EDS RECORDS MATCHED SELECTION CRITERIA
--------------	--

Explanation

EPILOG was unable to find an EPILOG datastore record that matched the user's selection criteria.

System action

None.

User response

None.

EP641	CANNOT COMBINE RPGN PREV290 AND POSTV290 RECORDS
--------------	---

Explanation

The records format of RPGN records changed in Version 290 of EPILOG, and EPILOG cannot combine RPGN records with different formats.

System action

EPILOG skips over the combined interval that contains mixed record formats.

User response

Correct the time range to combine the pre-Version 290 and post-Version 290 records separately.

EP650	NO EDS ALLOCATED TO THE REPORTER. PLEASE USE THE DATASTOR ADD COMMAND TO DEFINE ANY EDSS REQUIRED.
--------------	---

Explanation

A command requesting EDS data has been entered, but no EDSs were allocated at initialization or all EDSs allocated to the reporter session have been dropped via the DATASTOR command.

System action

The reporter waits for a user response.

User response

Allocate any required EDSs via the DATASTOR ADD command.

EP651	DUPLICATE PROFILE RECORD ON PRDS
--------------	---

Explanation

EPILOG found a duplicate profile in the Profile datastore. The new profile is ignored.

System action

None.

User response

None.

EP655	TEST PROFILE - NOT WRITTEN TO PRDS
--------------	---

Explanation

The keyword TEST has been specified on the PROFILE command. As a result, the profile has not been written to the Profile datastore.

System action

None.

User response

None.

EP657	ONLY ONE EDS RECORD FOUND. NO PLOT GENERATED
--------------	---

Explanation

Because there was only a single EPILOG datastore record for the workload specified, no plot was generated.

System action

None.

User response

None.

EP660	PROFILE NOT GENERATED. NO COMPLETED PGN TRANSACTIONS.
--------------	--

Explanation

A PROFILE command was issued for a PGN-type workload, but no transactions were completed within the time frame and the selection criteria specified.

System action

The command is ignored, and no record is written to the Profile datastore.

User response

None.

EP681	EPVSAM OPEN/ALLOCATION FAILURE
--------------	---

Explanation

Allocation of EPVSAM DD statement's datastore failed during reporter initialization.

System action

Reporter continues to initialize using EDSLIST defined in datastores.

User response

If EDSLIST entries are required, delete the EPVSAM statement in the reporter JCL. Otherwise, correct the EPVSAM statement and do not specify any EDS in the EDSLIST.

EP721	INVALID WORKLOAD TYPE FOR PROFILING
--------------	--

Explanation

The workload type specified is not supported by the Workload Profiling Facility. WPF does not support the use of multiple workload keywords on the PROFILE command line.

System action

EPILOG bypasses the current command.

User response

Specify a valid workload type.

EP730	MVS/370 + HIGHER LEVELS OF DATA CANNOT BE MERGED
--------------	---

Explanation

An attempt has been made to MERGE data from the MVS/370 operating system and MVS/XA or MVS/ESA operating system in a DISPLAY RDAS command.

System action

The reporter waits for user response.

User response

Split the MVS/370 data using the SYSID keyword so that separate panels are generated for this operating system level. For example, if SYSA and SYSB are MVS/ESA and SYSX and SYSY are MVS/370, the data can be displayed in two panels by entering

```
DISPLAY RDAS...SYSID((SYSA,SYSB,MERGE),  
                      (SYSX,SYSY,MERGE)).
```

EP731	RECORDS WITH INCOMPATIBLE RMF INTERVALS ENCOUNTERED
--------------	--

Explanation

When merging RDAS data without the COMBINE keyword, records must contain data for intervals which are the same or multiples of each other within a tolerance limit of 10%.

System action

The reporter waits for user response.

User response

Split the data into groups of compatible intervals with the SYSID keyword. For example, if SYSA and SYSB have RMF intervals of 15 and 30 minutes respectively and SYSX has an RMF interval of 25 minutes, the following command will display the data in two separate panels:

```
DISPLAY RDAS...SYSID((SYSA,SYSB,MERGE),(SYSX)).
```

EP750	PRO/MVS HAD AN INTERNAL PROCESSING ERROR, CODE xxx
--------------	---

Explanation

There was an internal error encountered in PMXCPRO or PMXWPRO.

System action

Processing terminates.

User response

Call IBM Software Support for assistance.

EP751	WORKLOAD REQUIRED FOR COMPARE COMMAND
--------------	--

Explanation

No workload was specified on the COMPARE command. The COMPARE command requires that the user specify a workload to be compared.

System action

EPILOG bypasses the current command.

User response

Specify a valid workload.

EP752	PNAME REQUIRED FOR COMPARE COMMAND
--------------	---

Explanation

No PNAME was specified on the COMPARE command. The COMPARE command requires that the user specify a profile name.

System action

EPILOG bypasses the current command.

User response

Specify a valid profile name or accept PNAME default.

EP800	SMF CONVERT ERROR, DATA INCORRECT
--------------	--

Explanation

The current SMF record does not match the EPILOG for MVS format.

System action

The EPILOG datastore load is aborted.

User response

Verify that the record is a valid record produced by the EPILOG collection routines. Contact IBM Software Support for assistance.

EP810	SMF CONVERT ERROR, DATA TOO LONG
--------------	---

Explanation

The EPILOG datastore record is not large enough to hold the converted SMF record.

System action

The EDS load is aborted.

User response

Change the logical record size of the EDS. Contact IBM Software Support for assistance.

EP895	VSAM ERROR IN EDS: OPERATION = aaaaaa bbbbbb
--------------	---

Explanation

An error occurred during the EPILOG reporter's attempt to use an EPILOG datastore. aaaaaa indicates the failing VSAM operation (GET, PUT, MODCB, etc.), and bbbbbb indicates the type of EPILOG record involved (DATA or POINTER). This message is always followed by EP896.

System action

The reporter terminates or continues depending upon the severity of the error.

User response

See message EP896.

EP896	VSAM ERROR IN EDS: RC = nnn FNCN = nnn FDBK = nnn
--------------	--

Explanation

An error occurred during the EPILOG reporter's attempt to use an EPILOG datastore. The three values of nnn represent the VSAM return, function, and feedback codes from the failing operation, respectively. This message is always preceded by EP895, which identifies the failing VSAM operation and the EPILOG record type.

System action

The reporter terminates or continues depending upon the severity of the error.

User response

Consult the appropriate IBM VSAM reference documentation to determine the cause and severity of the error and take appropriate corrective action. For RC=8 and FDBK=152, you can resolve the problem by increasing the BUFNI and/or BUFND values in the LSRBUFFS parm member. If you are unable to fix the problem, call IBM Software Support for assistance.

EP905	ERROR READING PRDS RECORD: TYPE=n
--------------	--

Explanation

EPILOG was unable to read a PRDS record of type n during PRDS PURGE processing.

System action

The current PURGE PRDS command is terminated.

User response

This is an internal processing error and not a user problem; contact IBM Software Support.

EP910	ERROR DELETING PRDS RECORD: TYPE=n
--------------	---

Explanation

EPILOG was unable to delete a PRDS record of type n during PRDS PURGE processing.

System action

The current PURGE PRDS command is terminated.

User response

This is an internal processing error and not a user problem; contact IBM Software Support.

EP950	DUPLICATE ENTRY NUMBERS FOUND IN EDS KEYWORD
--------------	---

Explanation

In a DATASTOR DROP EDS() command the same entry number was found at least once in the EDS keyword parameters.

System action

The reporter waits for user response.

User response

Correct the duplicate entry numbers and retry the operation.

EP951	DATASTOR COMMAND INVALID FOR MAINTENANCE PROCESSING
--------------	--

Explanation

The DATASTOR command was entered during KEBMAINT processing.

System action

The DATASTOR command is ignored; KEBMAINT processing continues.

User response

Remove the DATASTOR command from the KEBMAINT command input if in batch mode.

EP952	DATASTOR REQUIRES USE, ADD OR DROP KEYWORD
--------------	---

Explanation

The DATASTOR command was entered without USE, ADD, or DROP being specified as a keyword.

System action

The reporter waits for user response.

User response

Enter the required parameters on the EDS keyword and retry the operation.

EP953	DATASTOR REQUIRES EDS KEYWORD
--------------	--

Explanation

The DATASTOR command was entered without EDS being specified as a keyword.

System action

The reporter waits for user response.

User response

Enter the required parameters on the EDS keyword and retry the operation.

EP954	NO DATASTORES SPECIFIED ON EDS KEYWORD
--------------	---

Explanation

The DATASTOR command was entered without any EDS dsnames or a sequence number from the INQUIRE SUMMARY panel (in conjunction with the DROP keyword).

System action

The reporter waits for user response.

User response

Enter the required parameters on the EDS keyword and retry the operation.

EP955 INVALID DSN LENGTH SUPPLIED

Explanation

A dsname with an invalid length was supplied as a parameter to the EDS keyword on a DATASTOR command.

System action

The reporter waits for user response.

User response

Correct the DSN in error and retry the operation.

**EP956 SEVERE ERROR ENCOUNTERED IN
EBETBAD**

Explanation

An internal error occurred while trying to add an EDS to the current reporter session.

System action

The reporter waits for user response.

User response

Contact IBM Software Support.

**EP957 NO EDSLIST PRESENT TO DROP
ENTRIES FROM**

Explanation

A DATASTOR DROP command was issued when no EDSs were allocated to the current reporter session.

System action

The reporter waits for user response.

I Messages

IA0001 INVALID DELIMITER

Explanation

The IANL command was entered with incorrect syntax.

User response

If access to EDS data is required, you must issue a DATASTOR ADD command; otherwise, no further action is necessary.

**EP958 EDS KEYWORD PARMS MUST BE
NUMERIC 1-999 USING DROP**

Explanation

A DATASTOR DROP command was issued and one or more of the parameters in the EDS keyword was either non-numeric or greater than 999.

System action

The reporter waits for user response.

User response

Correct the erroneous parameter in the EDS keyword and retry the operation.

**EP959 EDS KEYWORD PARM(S) BEYOND
LAST ENTRY IN EDSLIST**

Explanation

A DATASTOR DROP command was issued and one or more of the parameters in the EDS keyword was greater than the number of entry sequence numbers on the INQUIRE SUMMARY panel.

System action

The reporter waits for user response.

User response

Correct the erroneous parameters in the EDS keyword and retry the operation.

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

**IA0002 WORKLOAD NAME MUST BE 8
CHARACTERS OR LESS**

Explanation

A workload name exceeding eight characters was entered.

System action

The command is commented out.

User response

Correct the workload name and re-enter the command.

**IA0003 VALID FORMATS ARE:
workload,LIST workload,DELETE
GROUP,LIST**

Explanation

User entered an IANL command with incorrect usage of the comma. Correct syntax is displayed.

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

**IA0004 VALID FORMATS ARE:
GROUP=*groupname* PG=*nnnn*
LIST=ALL**

Explanation

An IANL command was entered with incorrect use of the equal sign. The correct syntax is displayed.

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

**IA0005 PERFORMANCE GROUPS MUST BE
SPECIFIED BY NUMBER**

Explanation

User attempted to select a performance group as a monitored workload (using the PG=performance group command) but entered a non-numeric name for the

performance group. The performance group must be specified by number.

System action

Command is commented out.

User response

Correct the syntax error and re-enter the command.

**IA0006 GROUP NAMES CANNOT BE
NUMERIC**

Explanation

The user attempted to select a group workload to be monitored (using the GROUP={*Groupname*} command), but entered a numeric name for the group. The group workload must be specified by a non-numeric name.

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

**IA0007 VALID FORMAT FOR LIST IS:
cccccccc**

Explanation

The IANL LIST command was entered incorrectly.

System action

The command is commented out and a model of the correct syntax is shown.

User response

Correct the syntax error and re-enter the command.

**IA0008 FORMAT FOR DEFINING A GROUP
IS:**

Explanation

GROUP=*Groupname*=(*Member1,Member2,...*)

Explanation

The user attempted to define a group workload, but did not use the correct syntax.

System action

The command is commented out and a model of the correct syntax is shown.

User response

Correct the syntax error and re-enter the command.

IA0009	GROUPS CANNOT CONTAIN BOTH TASK NAMES AND PG NUMBERS
---------------	---

Explanation

The user attempted to define a group workload, but mixed task names and PG numbers in the member list.

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

IA0010	GROUP MEMBER NAMES MUST BE 1 TO 8 CHARACTERS
---------------	---

Explanation

The user attempted to define a group workload, but entered a member name greater than eight characters. The correct syntax is: GROUP=*Groupname*=(*member list*).

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

IA0011	GROUP (<i>name</i>) IS NOT DEFINED
---------------	---

Explanation

The user attempted to select a group workload to be monitored (using the command IANL GROUP=*Groupname*), but the group has not been defined.

System action

The command is ignored.

User response

Define the group workload using the command GROUP=*Groupname*=(*member list*) and re-enter the group selection command.

IA0012	VALID PREFIXES FOR IANL COMMAND ARE: S - Summary level display D - Detail level display
---------------	--

Explanation

The IANL command was entered with an invalid prefix.

System action

The command is ignored.

User response

Correct the syntax and re-enter the command.

IA0013	VALID SUFFIXES FOR IANL COMMAND ARE: P - Show impactors by Performance group PD - Show impactors by Performance group detailed by job
---------------	--

Explanation

The IANL command was entered with an invalid suffix.

System action

The command is ignored.

User response

Correct the syntax and re-enter the command.

IA0014	GROUPS MUST CONTAIN AT LEAST 1 MEMBER
---------------	--

Explanation

The user attempted to define a group workload, but did not include any members in the member list. The correct syntax is: GROUP=*Groupname*=(*member list*).

System action

The command is commented out.

User response

Correct the syntax error and re-enter the command.

IA0015	MAXIMUM NUMBER OF CONTENTION ANALYSES IS 5
---------------	---

Explanation

The user attempted to set the number of workloads to be monitored at more than five. The maximum number of workloads to be monitored is five.

System action

The IANC command is rejected and commented out.

User response

None.

IA0100	COLLECTOR HAS NOT BEEN STARTED
---------------	---------------------------------------

Explanation

Certain commands require active data collection when they are issued. Such a command was entered before data collection was started.

System action

The command is ignored.

User response

Start data collection and re-enter the command.

IA0101	COMMAND NOT VALID ONCE COLLECTOR STARTED
---------------	---

Explanation

Certain commands (such as IANQ, which changes the enqueue sampling interval, and IANC, which sets the number of workloads that can be monitored) require that data collection be stopped when they are issued. Such a command was entered while data collection was active.

System action

The command is ignored.

User response

Stop data collection and re-enter the command.

IA0102	ENTRY NOT FOUND
---------------	------------------------

Explanation

The IANL LIST or DELETE command was entered for a workload that was not being monitored.

System action

The command is ignored and commented out.

User response

Correct the workload name and re-enter the command.

IA0103	NO ROOM IN TABLE TO ADD ENTRY
---------------	--------------------------------------

Explanation

The user attempted to start monitoring a workload and exceeded the maximum number of workloads that can be monitored.

System action

The command is ignored.

User response

Delete a workload from monitoring or increase the maximum number of workloads with the IANC command.

IA0104	COLLECTOR HAS ABENDED
---------------	------------------------------

Explanation

The collector module has abended, and therefore the workloads under analysis are no longer being monitored.

System action

Diagnostic information is displayed.

User response

Log the diagnostic information; issue the MOD command and log the additional diagnostic information; exit using the IANL END command; contact IBM Software Support. For a definition of the user ABEND codes, see the EB, EP, and EU Abend Codes appendix.

IA0105	JOB HAS ENDED
---------------	----------------------

Explanation

Impact analysis is not monitoring the workload because the workload is no longer running.

System action

The command is commented out.

User response

None.

IA0107 NO CONTENTION TO REPORT

Explanation

Monitoring of the workload is continuing, but not enough contention data has been collected to form a display.

System action

None.

User response

Retry the request later, after enough data has been collected.

IA0109 NO MORE THAN 5 SHORT TERM INTERVALS PER LONG TERM INTERVAL

Explanation

The user attempted to define the long-term interval but entered a number larger than five.

System action

The IACL command is rejected.

User response

Correct the entry and re-enter the command.

IA0110 JOB IS NOT A CICS REGION

Explanation

The monitoring of a job was requested for a region that is not in CICS.

System action

The command is ignored.

User response

Re-enter the command with a CICS job.

IA0111 AT LEAST ONE MEMBER IS NOT A CICS REGION

Explanation

The group was monitored, but one or more group members may be incorrect.

System action

None.

User response

Verify that all group members are correct.

IA0112 INTERNAL ERROR IN CVAL ROUTINE

Explanation

This message is the result of an internal error or the corruption of virtual storage.

System action

The command is accepted and commented out.

User response

Contact IBM Software Support.

IA0113 MAXIMUM VALUE IS 10

Explanation

The user attempted to set the value of the enqueue sampling interval (which is defined by multiples of the normal sampling interval) but entered a value greater than 10. (Such values result in a sampling interval that is too infrequent to be significant.) The maximum number of intervals is 10.

System action

The IANQ command is rejected and commented out.

User response

Correct the entry and re-enter the command.

IA0200 COLLECTOR HAS ENDED

Explanation

The data collector stopped in response to a user command.

System action

Command is accepted and commented out.

User response

This is an informational message only.

IA0201 WORKLOAD HAS BEEN ADDED

Explanation

Monitoring of the workload has begun.

System action

None.

User response

This is an informational message only.

IA0202	WORKLOAD HAS BEEN DELETED
---------------	----------------------------------

Explanation

The workload has been deleted in response to a user command.

System action

Command is accepted and commented out.

User response

None.

IA0203	LONG TERM DISPLAY WILL REPRESENT <i>nn</i> SHORT-TERM INTERVALS
---------------	--

Explanation

Informs the user of the long term interval.

System action

The IACL command is accepted and commented out.

User response

This is an informational message only.

IA0204	SHORT TERM DISPLAY WILL BE CLEARED EVERY <i>nn</i> MINUTES
---------------	---

Explanation

Informs the user of the short-term interval.

System action

The IACS command is accepted and commented out.

User response

This is an informational message only.

IA0205	THE DATA COLLECTOR SAMPLE TIME = <i>n.n</i> SECONDS
---------------	--

Explanation

Informs the user of the sampling interval (in seconds).

System action

The IAST command is accepted and commented out.

User response

This is an informational message only.

IA0206	PLOT PERCENTAGE THRESHOLD IS <i>nn</i>%
---------------	--

Explanation

Informs the user of the plot threshold. (Contending workloads comprising less than *nn*% of the contention will not be displayed).

System action

The command is accepted.

User response

This is an informational message only.

IA0207	IA TO SUPPORT UP TO <i>n</i> CONTENTION ANALYSES
---------------	---

Explanation

Informs the user of the maximum number of workloads that can be monitored.

System action

The IANC command is accepted and commented out.

User response

This is an informational message only.

IA0208	ENQUEUE DATA COLLECTION ENABLED/DISABLED {CYCLE = <i>nn</i>}
---------------	---

Explanation

Informs the user whether enqueue data collection is enabled or disabled. If enqueue collection is enabled, the message also shows the frequency with which enqueue data is collected (as a multiple of sampling intervals).

System action

The IANQ command is accepted and commented out.

User response

This is an informational message only.

IA0209 GROUP HAS BEEN DEFINED

Explanation

The user successfully defined a group workload.

System action

The command is commented out.

User response

This is an informational message only.

**IA0215 NO WORKLOADS UNDER
ANALYSIS**

Explanation

The user entered the IANL LIST=ALL command but all workloads have been deleted from analysis. (The collector is still running.)

System action

None.

User response

This is an informational message only.

IA0216 NO GROUPS ARE DEFINED

Explanation

The user entered the command IANL GROUP,LIST but no group workloads have been defined. (The collector is still running.)

System action

None.

User response

None

**IA0217 IA COLLECTION TASK TIMES OUT
AFTER n MINUTES**

Explanation

Informs the user of the current time-out interval. If the time-out facility has been turned off, the message is **IA COLLECTION TASK WILL NOT TIME OUT**.

System action

The IATO command is accepted.

User response

None.

**IA0301 PERFORMANCE GROUP
OPERANDS UNACCEPTABLE IN
GOAL MODE**

Explanation

Performance group information is not available under the Work Load Manager goal mode.

System action

The command terminates.

**IN0004 THE KEYWORD FLAGGED ABOVE
IS UNKNOWN**

Explanation

A keyword operand was misspelled or is not valid on this command.

System action

The command does not execute.

User response

Correct the command and re-enter.

**IN0005 PARAMETER WAS EXPECTED BUT
NOT FOUND**

Explanation

A keyword with a parameter list was specified, but the parameter list did not contain enough parameters.

System action

The command does not execute.

User response

Correct the command and re-enter.

**IN0006 THIS PARAMETER MUST BE
NUMERIC**

Explanation

A parameter was specified which must be numeric but is not.

System action

The command does not execute.

User response

Correct the command and re-enter.

IN0007 **')' MISSING AFTER FIRST
PARAMETER**

Explanation

A ')' was expected after the first parameter and was not found.

System action

The command does not execute.

User response

Correct the command format and retry.

IN0050 ***datasetname* FAILED TO ALLOCATE**

Explanation

An error occurred during dynamic allocation of the dataset name specified in the MLIB DSN list.

System action

The command continues if there are other dataset names in the MLIB DSN list.

User response

Check the reason for the dynamic allocation error and correct accordingly. Message IN0051 might accompany this message.

IN0051 **DAIR CODE = *rc***

Explanation

The Dynamic Allocation Interface Routine (DAIR) return code is displayed.

System action

Same as message IN0050.

User response

Same as message IN0050.

IN0060 ***datasetname* FAILS MLIB
REQUIREMENTS**

Explanation

The dataset failed the MLIB requirement because it neither has a Format 1 DSCB nor is in a load module format. Message IN0061 or IN0062 gives more information on the error.

System action

The command continues if there are other dataset names in the MLIB DSN list.

User response

Make sure the correct dataset name was specified.

IN0061 **DATASET IS NOT LOAD MODULE
FORMAT**

Explanation

The MLIB failure was due to the dataset not being in a load module format.

System action

The command continues if there are other dataset names in the MLIB DSN list.

User response

Only load datasets can be specified on the MLIB command.

IN0062 **FORMAT1 DSCB COULD NOT BE
LOCATED**

Explanation

The dataset specified in message IN0060 was not found.

System action

The command continues if there are other dataset names in the MLIB DSN list.

User response

Make sure that the dataset exists on the volume as indicated by the system catalog and retry the command.

IN0070 ***datasetname* FAILED TO OPEN**

Explanation

The OPEN failed for the dataset.

System action

The command continues if there are other dataset names in the MLIB DSN list.

User response

Make sure that OMEGAMON is authorized to use the specified dataset.

IN0080 *datasetname* IS NOT OPEN

Explanation

OMEGAMON tried to close a dataset that was not open.

System action

CLOSE processing continues for remaining datasets.

User response

Call IBM Software Support for assistance.

IN0081 *datasetname* FAILED TO CLOSE

Explanation

The dataset cannot be closed.

System action

CLOSE processing continues for the remaining datasets.

User response

Investigate why the dataset failed to close. If necessary, call IBM Software Support for assistance.

IN0082 *datasetname* FAILED TO DE-ALLOCATE

Explanation

The dataset cannot be de-allocated.

System action

Deallocate processing continues for remaining datasets.

User response

Investigate why the dataset failed to de-allocate by examining the accompanying DAIR code in message IN0083.

IN0083 DAIR CODE = *rc*

Explanation

The Dynamic Allocation Interface Routine (DAIR) return code is displayed with message IN0082.

System action

See message IN0082.

User response

Refer to the appropriate IBM manual for a description of the return codes.

IN0090 ADD AND DEL MUST NOT BE ISSUED TOGETHER

Explanation

The ADD and DEL parameters cannot be issued together in the same MLIB command.

System action

The commands do not execute.

User response

Issue ADD and DEL separately.

IN0091 *datasetname* IS NOT IN THE MLIB DSN LIST

Explanation

The dataset specified with the delete option of the MLIB minor of INSP was not found in the MLIB list because it was never added or was already deleted.

System action

The operation is ignored.

User response

Specify the correct dataset name for the delete.

IN0092 PREVIOUS LINE WAS TRUNCATED

Explanation

The previous display line has been truncated because the line length was exceeded.

System action

None.

User response

None.

IN0100 **ccccccc HAS A HIGHER PRIORITY THAN OMEGAMON**

Explanation

The address space dispatching priority of job ccccccc, which is being monitored by INSP, is running at a higher priority than OMEGAMON. This is the jobname specified by the JOB() keyword.

System action

INSP attempts to take samples, but will probably detect very little activity in the monitored address space. Any results are incorrect.

User response

Run OMEGAMON as a performance group which has a higher priority than the address space being monitored.

IN0101 **ccccccc IS NO LONGER RUNNING**

Explanation

INSP was monitoring an address space when the jobname ccccccc changed. ccccccc is the name specified by the JOB() keyword.

System action

Sampling terminates.

User response

If you want more data, rerun the job and use a shorter sampling period.

IN0102 **START INVALID, ALREADY SAMPLING**

Explanation

The START keyword was specified on the INSP command when sampling of the target address space was already in progress.

System action

The START keyword is ignored.

User response

None required.

IN0103

STOP INVALID, NOT SAMPLING

Explanation

The STOP keyword was specified on the INSP command when sampling of the target address space was not in progress.

System action

The STOP keyword is ignored.

User response

None required.

IN0104

ATTACH FAILED

Explanation

This is an internal error message.

System action

Sampling does not start.

User response

Call IBM Software Support for assistance.

IN0105

ccccccc NOT FOUND

Explanation

No job with the name ccccccc specified is currently active. <jobname> is the name specified by the JOB() keyword.

System action

The new jobname specification is not used.

User response

Use the JOB() keyword to specify the name of a running job. If necessary, use OMEGAMON commands such as ALLJ to determine a valid jobname.

IN0106

SAMPLER TASK HAS ABENDED

Explanation

This is an internal error message.

System action

Sampling terminates and diagnostic information appears.

User response

Record the diagnostic information and call support.

**IN0900 \$GMEM FAILED FOR INSP
WORKAREA**

Explanation

OMEGAMON was unable to obtain memory for the INSP workarea.

System action

The command does not execute.

User response

Increase the OMEGAMON region size to correct the problem.

**IN0901 RETURN CODE *rc* FROM OMPBM
INITIALIZATION**

Explanation

An error occurred during INSP initialization.

System action

The command does not execute.

User response

Call IBM Software Support for assistance.

IN0902 INSPECT REQUIRES DEXAN

Explanation

To run INSP, the DEXAN® product is required.

K and L Messages

KCG0000I KCG STARTING

Explanation

The agent that monitors cryptographic coprocessors and services has been started.

System action

Agent initialization proceeds.

User response

None required. Message is informational.

KCG0002F UNABLE TO ACQUIRE AGENT LOCK

System action

The command does not execute.

User response

None.

**IN0903 LOAD MACRO FAILED FOR OMPBM
WITH ABEND=*nnn***

Explanation

INSP module OMPBM could not be loaded.

System action

The command does not execute.

User response

Refer to the IBM system codes manual for an explanation of the abend code.

IN0904 INSPECT ERROR CODE *nn*

Explanation

An internal error occurred on the INSP command. The error code is *nn*.

System action

The command does not execute.

User response

Call IBM Software Support for assistance.

Explanation

A serialization lock could not be acquired.

System action

The monitoring agent fails initialization and terminates execution.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Fatal error.

**KCG0003F UNABLE TO INITIALIZE LOCK
WORD ERRNO = return_code**

Explanation

An attempt to initialize a serialization lock failed.

System action

The monitoring agent fails initialization and terminates execution.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Fatal error.

**KCG0005F UNABLE TO INITIALIZE
CONDITION WORD ERRNO =
return_code**

Explanation

An attempt to initialize a condition word (ECB) failed.

System action

The monitoring agent fails initialization and terminates execution.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Fatal error.

**KCG0006F UNABLE TO START MONITORING
THREAD ERRNO = return_code**

Explanation

An attempt to start a monitor thread failed.

System action

The monitoring agent fails initialization and terminates execution.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Fatal error.

**KCG0007E INVALID WAIT SECONDS =
invalid_value. DEFAULTING TO
default_maximum.**

Explanation

The maximum wait time specified for the KCGWAIT= parameter in the *hilev.rte.RKANPARU(KDSENV)* member is invalid.

System action

The default maximum value, specified in the message, is used and the agent initialization continues.

User response

Update the *hilev.rte.RKANPARU(KDSENV)* member to specify a valid value for the maximum wait time in seconds. Acceptable values are 1-30 seconds.

Error.

**KCG0010W UNABLE TO ACCESS
ICSF ADDRESS SPACE
(control_block_name)**

Explanation

The monitoring agent failed to access data in a control block of the Integrated Cryptographic Service Facility (ICSF) address.

System action

The data sample returns incomplete information, and data collection processing continues.

User response

Verify that the ICSF subsystem is running. If it has not been started, was stopped, or has abnormally terminated, restart the ICSF subsystem address space.

Warning.

**KCG0020I CONNECTION TO ICSF
ESTABLISHED**

Explanation

The monitoring agent successfully established a cross-memory connection to the Integrated Cryptographic Service Facility (ICSF) subsystem address space.

System action

The agent proceeds to sample data and inspect ICSF control blocks to satisfy monitoring queries.

User response

None required.

Informational.

KCG0021W ICSF (CCVT) NOT FOUND

Explanation

An attempt to query the contents of the cryptographic services communications vector (CCVT) failed. This global control block could not be located in common storage.

System action

The agent proceeds to sample data and inspect Integrated Cryptographic Service Facility (ICSF) control blocks to satisfy monitoring queries.

User response

None required.

Warning.

KCG0022W KM5EXIT3 NOT INSTALLED IN ICSF

Explanation

An attempt to query cryptographic activity failed. Control blocks and service call exits installed by load module KM5EXIT3 could not be located. This failure to access control blocks indicates that the Integrated Cryptographic Service Facility (ICSF) initialization exit KM5EXIT3 has not been installed in the ICSF subsystem.

System action

The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response

Review the CSFPARM input parameters for the ICSF subsystem to ensure that the KM5EXIT3 exit is specified. Recycle the ICSF subsystem to install the required control blocks and service call exits.

Warning.

KCG0023W INVALID CSFINSW2, EXPECTED KCGCVT

Explanation

An attempt to query cryptographic activity failed. Control blocks and service call exits installed by load module KM5EXIT3 could not be located. This failure to access control blocks indicates that the Integrated Cryptographic Service Facility (ICSF) initialization

exit KM5EXIT3 has not been installed in the ICSF subsystem.

System action

The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response

Review the CSFPARM input parameters for the ICSF subsystem to ensure that the KM5EXIT3 exit is specified. Recycle the ICSF subsystem to install the required control blocks and service call exits.

Warning.

**KCG0024W VERSION MISMATCH KM5EXIT3
= version_level KM5 AGENT =
version_level**

Explanation

An attempt to query cryptographic activity failed. Control blocks and service call exits were installed correctly by load module KM5EXIT3, but the KM5EXIT3 load module and the KM5 agent originate from incompatible releases or maintenance levels.

System action

The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response

Ensure that the agent and the KM5EXIT3 load module are at the same maintenance level. Verify that the copy of the KM5EXIT3 load module loaded by the ICSF subsystem is up-to-date. If KM5EXIT3 has been updated recently, recycle the Integrated Cryptographic Service Facility (ICSF) subsystem to reload the updated version. If the agent has been updated, you must also recycle the agent.

Warning.

KCG0025W MONITORING IS DISABLED IN ICSF

Explanation

An attempt to query cryptographic activity failed. Control blocks and service call exits were installed correctly by load module KM5EXIT3, but monitoring is disabled.

System action

The agent continues to execute, and periodically tries to monitor cryptographic activity in the Integrated Cryptographic Service Facility (ICSF) subsystem.

User response

Refer to messages issued from the ICSF subsystem to determine the cause of the error. If necessary, recycle the ICSF subsystem to clear the error and restart monitoring.

Warning.

KCG0030W	UNABLE TO CONNECT TO ICSF STATUS = reason_code
-----------------	---

Explanation

An attempt to query cryptographic activity failed. A cross-memory ALET could not be established with the Integrated Cryptographic Service Facility (ICSF) subsystem, indicating that the subsystem was stopped or has terminated abnormally. A positive value for the reason code indicates an error as documented for ALESERV ADD macro return codes. A value of -99 indicates that the ICSF subsystem could not be found.

System action

The agent continues to execute, and periodically tries to monitor cryptographic activity in the ICSF subsystem.

User response

Verify that the ICSF subsystem is running. If it has not been started, was stopped, or has terminated abnormally, restart the ICSF subsystem address space.

Warning.

KCG0040E	CANNOT FIND KCG ANCHOR. ICSF QUERY CANCELLED.
-----------------	--

Explanation

An internal error occurred during a query for Integrated Cryptographic Service Facility (ICSF) subsystem data. An attempt to access a global anchor block within the agent address space failed.

System action

The agent aborts the query and continues to monitor cryptographic activity.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG. Message Type: Warning

KCG0041E	CANNOT FIND KCG ANCHOR. SVCDET QUERY CANCELLED.
-----------------	--

Explanation

An internal error occurred during a query for service call performance data. An attempt to access a global anchor block within the agent address space failed.

System action

The agent aborts the query and continues to monitor cryptographic activity.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Warning.

KCG0042E	CANNOT FIND KCG ANCHOR. TOPUSER QUERY CANCELLED.
-----------------	---

Explanation

An internal error occurred during a query for top user performance data. An attempt to access a global anchor block within the agent address space failed.

System action

The agent aborts the query and continues to monitor cryptographic activity.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Warning.

KCG0043E	CANNOT FIND KCG ANCHOR. ICSF ACCESS CANCELLED.
-----------------	---

Explanation

An internal error occurred during an attempt to access data in the Integrated Cryptographic Service Facility (ICSF) subsystem.

System action

The agent aborts cross-memory access and continues to monitor cryptographic activity.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Error.

KCG0044F	CANNOT FIND KCG ANCHOR. AGENT SHUTDOWN INITIATED.
-----------------	--

Explanation

An internal error occurred during startup of the main performance monitoring thread.

System action

The agent initiates termination of monitoring.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Fatal error.

KCG0060F	CANNOT ACQUIRE SHUTDOWN LOCK. ERRNO = error_number
-----------------	---

Explanation

An internal error occurred while attempting to acquire a serialization lock used for shutdown detection.

System action

The agent initiates termination of monitoring.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Warning.

KCG0061E	CANNOT ACQUIRE SVCDET LOCK. ERRNO = error_number
-----------------	---

Explanation

An internal error occurred while attempting to acquire a serialization lock used for temporary suspension of data collection during a service call performance query.

System action

The agent initiates termination of monitoring.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Error.

KCG0062E	CANNOT ACQUIRE TOPUSER LOCK. ERRNO = error_number
-----------------	--

Explanation

An internal error occurred while attempting to acquire a serialization lock used for temporary suspension of data collection during a query for top user performance.

System action

The agent initiates termination of monitoring.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Error.

KCG0070E	UNABLE TO CONVERT TIME UNITS STATUS = reason_code
-----------------	--

Explanation

An internal error occurred while attempting to convert a CPU clock word to the Greenwich Mean Time (GMT) associated with a service call observation.

System action

The agent ignores the service call observation and proceeds to the next observation.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG. Message Type: Error

KCG0071E	UNABLE TO DETERMINE SERVICE INDEX, EXIT = service_call_exit_name
-----------------	---

Explanation

An internal error occurred while attempting to determine the service call index number.

System action

The agent ignores the performance call observation and proceeds to the next observation.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Error.

KCG0072E	UNSUPPORTED SERVICE INDEX, EXIT= <i>service_call_exit_name</i>, MAX SUPPORTED ID=<i>number</i>
-----------------	---

Explanation

An internal error occurred, the service call index number is higher than supported by the agent.

System action

The agent ignores the performance call observation and proceeds to the next observation.

User response

Ensure that the agent and installed KM5EXIT3/ KM5CSFSX levels match. Contact IBM® Software Support and report the error. Provide the output of RKLVLLOG.

Error.

KCG0073W	SERVICE TIME TOO LARGE SVC = <i>service_call_exit_name</i> TIME = <i>number_of_milliseconds</i>
-----------------	--

Explanation

A service call ran longer than the maximum time that can be recorded in a 32-bit word.

System action

The agent ignores the performance call observation and proceeds to the next observation.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

Warning.

KCG0080W	OVERRUN DETECTED CSR = %x STATUS = %y ISNO = %d
-----------------	--

Explanation

An overrun condition has been detected. The address of the current internal queue cursor is %x, the queue element status is %y, and the observation sequence number is %d.

System action

The potentially corrupted observation is ignored.

User response

No response is required. This warning message indicates a recoverable condition, but you should be concerned if a large number of these overruns are detected. If this message is issued frequently, call IBM Software Support for further assistance.

Warning.

KCG9999I	KCG TERMINATING
-----------------	------------------------

Explanation

The agent that monitors cryptographic coprocessors and services is being terminated.

System action

Agent termination proceeds.

User response

None required.

Informational.

KCGX030I	CRYPTOGRAPHY MONITORING STARTED
-----------------	--

Explanation

During Integrated Cryptographic Service Facility (ICSF) startup, monitoring exits have been installed, and control blocks required for monitoring of cryptographic activity have been established.

System action

ICSF initialization completes.

User response

None required.

Informational.

KCGX031E	ANCHOR ALLOCATION FAILED
-----------------	---------------------------------

Explanation

An attempt to allocate memory for control blocks in the Integrated Cryptographic Service Facility (ICSF) address space failed. These control blocks must be allocated to record real-time service call performance data.

System action

The KM5EXIT3 load fails to establish a performance monitoring environment and disables monitoring. The attempt by the agent to query performance information will fail, and reported data will be incomplete.

User response

Determine why the control blocks could not be allocated. Verify that sufficient extended virtual storage (above the 16MB line) is available for the ICSF subsystem. Recycle the ICSF subsystem after removing memory constraints.

Error.

KCGX034F ICSF EXIT TABLE IS EMPTY

Explanation

An attempt to read the ICSF exit table (CSFENT) failed because no entries were found in the table. This unexpected condition might be caused by corruption of the internal Integrated Cryptographic Service Facility (ICSF) subsystem control block.

System action

The KM5EXIT3 exit fails to install the service call exits. Performance monitoring is disabled.

User response

Apply the latest level of maintenance and recycle the ICSF subsystem with an updated KM5EXIT3 load module. Determine why the exit table is empty. Contact IBM Software Support to report the error and receive further assistance.

Fatal error.

KCGX035W EXIT = exit_name NOT FOUND

Explanation

The specified service call exit could not be found. Service call exits are installed by the KM5EXIT3 load module during Integrated Cryptographic Service Facility (ICSF) subsystem startup to capture performance data whenever service calls are issued.

The error can occur when IBM removes support for a specific service call exit.

System action

Performance monitoring for the associated service call is ignored. Installation of other service call exits proceeds.

User response

Verify that the current level of product maintenance has been applied. Contact IBM Software Support and provide the text of the message indicating the missing service call exit.

Warning.

KCGX036W EXIT = cccccccc REPLACED

Explanation

A user-defined Integrated Cryptographic Service Facility (ICSF) exit has been found and replaced by a performance monitoring exit. The name of the user-defined exit load module is cccccccc. IBM Z OMEGAMON Monitor for z/OS requires the use of ICSF service call exits, CSFEXIT3 and CSFEXIT4, for monitoring of service call performance.

System action

The user-defined exit is replaced by the product exit.

User response

Determine whether you can use an alternative ICSF exit for your purpose. If so, update the ICSF startup parameters to redirect the exit to one of the exits not used by the monitoring agent, and recycle the ICSF address space. You may need to reprogram the exit. Consult the ICSF documentation for further details.

Warning.

KCGX051I CRYPTOGRAPHY MONITORING TERMINATED

Explanation

During termination of the Integrated Cryptographic Service Facility (ICSF) subsystem, monitoring exits have been removed and memory used for control blocks has been released.

System action

ICSF termination proceeds.

User response

None required

Informational.

KM2EXPFF PROFILE EXPORT FAILED

Explanation

The profile export was unable to complete properly due to an error.

System action

Profile is not exported to the requested dataset member.

User response

See the CANSM2 RKLVLLOG for a more detailed message describing the error.

**KM2EXP00 PROFILE EXPORT COMPLETED
SUCCESSFULLY**

Explanation

The profile export was completed successfully.

System action

Profile is exported to the dataset specified in the command parameter list.

User response

None.

**KM2HDI00 HISTORICAL DATA INTERFACE
INITIALIZED**

Explanation

The historical data interface task of OMEGAMON II for MVS has become active and is ready to handle requests from the associated CANSM2 region.

System action

None.

User response

None.

**KM2HDI80 CANSM2HD TERMINATED BY
STOP COMMAND**

Explanation

The historical data interface task of the CANSM2 region is shutting down after receiving a STOP MVS command from the console.

System action

None.

User response

None.

**KM2HDI90 HISTORICAL DATA INTERFACE
CLOSED**

Explanation

The historical data interface task is terminating because its associated CANSM2 region has sent it a shutdown request.

System action

None.

User response

None.

KM2HDI91 CANSM2HD FAILED

Explanation

None.

System action

None.

User response

None.

**KM2HDI99 REASON (xxxx) SESSION
(xxxxxxxx) HANDLE (xxxxxxxx)**

Explanation

The historical data interface is terminating after detecting a non-recoverable condition. These two messages are produced together in the order shown. The reason code defines the problem for the user. The SESSION and HANDLE values are the CANSM2 session handle and cross memory handle, respectively.

System action

The task is shut down.

User response

Remedy the error condition and restart the region. If the error persists, call IBM Software Support. Have the sysout from both this task and the associated CANSM2 task available for reference.

Note that in the reason codes listed in the following table, the first digit may or may not be an 8. (An 8 at the beginning is a secondary indicator that helps IBM Software Support determine which routine issued the return code.)

Reason Code	Description
0004	The CANSM2HD side has reset itself.
0008	CANSM2HD not ready to handle caller.
000C	Error state.
0010	Bad handle detected.
0014	Bad entry code.
0018	SSCVT value already in use.
001C	Unexpected return code from IEFSSREQ.
0020	SSCTSUSE contains zero.
0024	Invalid communication between CANSM2HD and CANSM2.
0028	GETMAIN failed.
002C	GETMAIN failed.
0030	FREEMAIN failed.
0034	Inquire failed.
0038	WAIT failed.
003C	POST failed due to zero ECB pointer.
0040	POST failed due to bad ASCB.
0044	POST failed due to missing ASCB.
0048	SUSE is too small to use.
004C	Not APF authorized.
0080	Invalid handle.
0084	Invalid function code.
0088	GETMAIN failed.
008C	Invalid service number to send.
0090	Invalid service number received.
0094	STOP command received by wait routine.

Reason Code	Description
0098	Error when STOP command received.

KM2IMPFF PROFILE IMPORT FAILED

Explanation

The profile import was unable to complete properly due to an error.

System action

Profile is not imported from the requested dataset member.

User response

See the CANSM2 RKLVLLOG for a more detailed message describing the error.

KM2IMP00 PROFILE IMPORT COMPLETED SUCCESSFULLY

Explanation

The profile import was completed successfully.

System action

Profile is imported from the dataset specified in the command parameter list.

User response

None.

KM2LLT02 Link List not Updated

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an error. See other messages for more information.

System action

Processing continues without replacing the Link List table.

User response

Look for other error messages.

KM2LLT03 Error opening PDS

Explanation

While attempting to switch the Link List table, OMEGAMON tried to open the SYS1.PARMLIB dataset, and an error occurred.

System action

Processing continues without replacing the Link List table.

User response

Try to determine why the SYS1.PARMLIB dataset could not be opened.

KM2LLT04 Error during STARTREQ/IEASYSxx

Explanation

While attempting to switch the Link List table, OMEGAMON found a problem processing the IEASYSxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine if there is a problem with the IEASYSxx member.

KM2LLT05 Error locating IEASYS member

Explanation

While attempting to switch the Link List table, OMEGAMON could not locate the member IEASYSxx in SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine why the IEASYSxx member could not be found.

KM2LLT06 Unknown LNKAUTH= value

Explanation

While attempting to switch the Link List table, OMEGAMON could not determine the value of the LNKAUTH parameter in the IEASYSxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine why the LNKAUTH value has a problem.

KM2LLT10 Error during ENDREQ/IEASYSxx

Explanation

While attempting to switch the Link List table, OMEGAMON found a problem processing the IEASYSxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine if there is a problem with the IEASYSxx member.

KM2LLT11 Error during STARTREQ/LNKLSTxx

Explanation

While attempting to switch the Link List table, OMEGAMON found a problem processing the LNKLSTxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine if there is a problem with the LNKLSTxx member.

KM2LLT12 LNKLST member not found.

Explanation

While attempting to switch the Link List table, OMEGAMON could not locate the member LNKLSTxx in SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine why the LNKLISTxx member could not be found.

KM2LLT13	Error: Dataset name length invalid.
-----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON encountered a problem while parsing the value of the DSNAMES parameter in the LNKLIST member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine if there is a potential problem with the DSNAMES parameter.

KM2LLT15	TBADD failure
-----------------	----------------------

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an internal error.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

KM2LLT16	Errors encountered TBADDDing DSN Table
-----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an internal error.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

KM2LLT17	Error during ENDREQ/LNKLISTxx
-----------------	--------------------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON found a problem processing the LNKLISTxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine if there is a problem with the LNKLISTxx member.

KM2LLT18	I/O error during \$PAM GETASIS
-----------------	---------------------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an error while processing the LNK or LNKAUTH parameter in the IEASYSxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine if there is a problem with the LNK or LNKAUTH parameter.

KM2LLT19	LNKLISTxx member
-----------------	-------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON determined that the LNKLISTxx member of SYS1.PARMLIB was empty.

System action

Processing continues without replacing the Link List table.

User response

Try to determine why the LNKLISTxx member is empty, and correct the problem.

KM2LLT22	LNK= too short
-----------------	-----------------------

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with the LNK parameter of the LNKLISTxx member of

SYS1.PARMLIB, specifically that the value of the LNK parameter is shorter than expected.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT23 **LNK= too long**

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with the LNK parameter of the LNKSTxx member of SYS1.PARMLIB, specifically that the value of the LNK parameter is longer than expected.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT24 **Error: null entry in LNK subvalue**

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKSTxx member of SYS1.PARMLIB, specifically that the LNK parameter sub-value was missing.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT25 **unexpected blank in LNK=**

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem

with the LNK parameter of the LNKSTxx member of SYS1.PARMLIB, specifically that a blank was found in the LNK parameter value where one was not expected.

System action

Try to determine and correct the problem with the LNK parameter.

User response

Try to determine if the LNK parameter is correct.

KM2LLT26 **LNK= subvalue too long**

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKSTxx member of SYS1.PARMLIB, specifically that the LNK parameter subvalue is longer than expected.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT27 **Too many LNK= subvalues**

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKSTxx member of SYS1.PARMLIB, specifically that there were too many LNK parameter subvalues.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT28 **LNK= blank continuation**

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem

with a LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that a continuation character was expected but not found.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT29 LNK= EOF continuation

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT30 Unexpected EOF on LNKLSTxx

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically that end of file was reached before the parameter could be completely parsed.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT31 LNK= missing paranthesis

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter sub-value of the LNKLSTxx member of SYS1.PARMLIB, specifically, that there is a missing paranthesis.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT32 Duplicate LNK= parameters

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNK parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that there are more than one LNK parameters present.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNK parameter.

KM2LLT33 Duplicate LNKAUTH= parameters

Explanation

While attempting to switch the Link List table, OMEGAMON determined that there was a problem with a LNKAUTH parameter of the LNKLSTxx member of SYS1.PARMLIB, specifically that there are more than one LNKAUTH parameters present.

System action

Processing continues without replacing the Link List table.

User response

Try to determine and correct the problem with the LNKAUTH parameter.

KM2LLT35 Invalid volser length

Explanation

While attempting to switch the Link List table, OMEGAMON could not determine the VOLSER of the SYS1.PARMLIB dataset.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

KM2LLT36 **TBBottom failed**

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an internal error.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

KM2LLT37 **Error during symbol translation**

Explanation

While attempting to switch the Link List table, OMEGAMON encountered a problem doing symbolic substitution while calling the IBM service routine ASASYMBM.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

KM3IN001I **NO CPU ACTIVITY WAS DETECTED BY INSPECT**

Explanation

The inspect agent did not see any CPU activity when it looked at the target address space. The target address space may be consuming CPU time but inspect only considers it if it sees the address space executing during a sample since it needs to assign the CPU time to a component within the address space.

System action

None

User response

Refresh the workspace to run inspect again.

KM3IN002E **ASID PASSED TO INSPECT IS ZERO**

Explanation

The address space ID (ASID) passed to the inspect agent by the query was zero. Either the inspect workspace was invoked from the physical navigation tree or the ASID was not assigned to the query by the link.

System action

No data is returned.

User response

Determine why the ASID value being passed to the query is zero. Possibly the workspace linkage has been changed.

KM3IN003E **ASID PASSED TO INSPECT IS INVALID**

Explanation

The address space ID (ASID) passed to the inspect agent by the query was not a valid address space number on the z/OS system. The link to the inspect workspace may be assigning the incorrect field to the ASID parameter of the query.

System action

No data is returned.

User response

Determine why the ASID value being passed to the query is invalid. Possibly the workspace linkage has been changed

KM3IN004I **ADDRESS SPACE PRIORITY GREATER THAN INSPECT**

Explanation

The priority of the target address space is greater than that of the Tivoli Enterprise Management Server in which the inspect agent is executing. Inspect may

not obtain enough CPU cycles to collect a reasonable sample of data from the target address space.

System action

Processing continues.

User response

None

KM3IN005I	DATA COLLECTION MAY BE INCOMPLETE
------------------	--

Explanation

Part two of message KM3IN004I, informing the user of the consequences of the priority difference.

System action

Processing continues.

User response

None

KM3IN006E	SAMPLER TASK ABENDED WITH CODE code
------------------	--

Explanation

The inspect agent sampler program task abended with the specified code.

System action

No data is returned.

User response

Determine the cause of the abend and possibly obtain a system dump of the abend.

KM3IN007E	SELECTED JOB NOT IN TARGET ADDRESS SPACE
------------------	---

Explanation

The Inspect agent will check that the job name passed is executing within the target address space ID (ASID). If not either the wrong job name or ASID was passed by the link to the workspace or the job may have ended. If the job has not ended, check that the link to the Inspect workspace is passing the correct values to the inspect query.

System action

No data is returned.

User response

If the job has not ended, check that the link to the Inspect workspace is passing the correct values to the inspect query.

KM3IN008I	GRANULARITY SET TO size
------------------	--------------------------------

Explanation

The Inspect agent attempts to limit the amount of detail returned to the client to about 100 rows of data by dynamically calculating the "grain" size used split each CSECT of code into blocks to which CPU activity is attributed.

Since the user cannot know in advance how diverse the execution activity map will be, nor the sizes of the load modules and CSECT that have activity, nor even which modules and CSECTs will have activity, it is not reasonable to allow the user to set this parameter before the inspect agent is executed, therefore the inspect agent attempts to calculate a suitable size once all the inspect data has been collected.

Size is displayed as a hexadecimal value.

System action

Processing continues.

User response

None

KM3IN009E	ATTACH OF program FAILED WITH RC=rc
------------------	--

Explanation

The inspect agent attempted to attach the Inspect sampling program as a separate MVS task within the Tivoli Enterprise Monitoring Server address space but the ATTACH failed with return code rc.

System action

No data is returned.

User response

Determine the meaning of the return code for the ATTACH function and correct the error.

KM3IN010I	INSPECT WAS NOT EXECUTED
------------------	---------------------------------

Explanation

Part two of messages KM3IN009E and KM3IN011E, explaining that no data was collected because of the error reported by the previous message.

KM3IN011E UNABLE TO LOAD program

Explanation

The Inspect agent attempted to load the inspect sampling program program but the load operation failed.

System action

No data is returned.

User response

Determine the cause of the failure to load program by scanning the Tivoli Enterprise Monitoring Server and z/OS logs for any appropriate messages

KM3IN012E OPEN ERROR FOR DATASET dsn

Explanation

The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

The Inspect agent was unable to open the specified dataset.

System action

Processing continues.

User response

The person responsible for Tivoli Enterprise Management Server operations on the target host should browse the Tivoli Enterprise Monitoring Server and z/OS logs to determine the cause of the failure.

KM3IN013I SOME CSECT DATA MAY NOT BE AVAILABLE

Explanation

Part two of messages KM3IN012E, KM3IN013E, KM3IN015E and KM3IN016E. Indicates that CSECT information may not be available for some load modules due to the previous error.

KM3IN014E UNABLE TO ALLOCATE DS dsn

Explanation

The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

System action

Processing continues.

User response

The person responsible for Tivoli Enterprise Management Server operations on the target host should browse the Tivoli Enterprise Management Server and z/OS logs to determine the cause of the failure.

KM3IN015E UNABLE TO READ DSCB FOR dsn

Explanation

The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

The Inspect agent was unable to read the format 1 DSCB for the specified dataset.

System action

Processing continues:

User response

The person responsible for Tivoli Enterprise Management Server operations on the target host should browse the Tivoli Enterprise Management Server and z/OS logs to determine the cause of the failure.

KM3IN016E UNABLE TO SUPPORT PDSE dsn

Explanation

The Inspect agent attempts to obtain CSECT information for each load module by accessing load libraries allocated to the job step TCB of the target address space.

The Inspect agent determined that the specified dataset was a PDSE but the IEWBIND program could not be loaded by the Inspect agent.

System action

Processing continues:

User response

The person responsible for Tivoli Enterprise Monitoring Server operations on the target host should browse the Tivoli Enterprise Monitoring Server and z/OS logs to determine why IEWBIND could not be located by the inspect agent

KM50100I	OMII TERMINATION EXIT SUCCESSFULLY ESTABLISHED
-----------------	---

Explanation

The OMEGAMON II for OS/390 termination exit used to clean up resources at TEMS termination has been established.

System action

None.

User response

None required.

KM50101I	KM2XXXXX: RMF MONITOR II API SUCCESSFULLY LOADED
-----------------	---

Explanation

The RMF Monitor II API used by OMEGAMON II for OS/390 probe KM2xxxxx has been successful loaded for use.

System action

None.

User response

None required.

KM50102I	KXDM3KCO : DEVOTION INTERVAL IN M3KMASTR=XXXXXXXX
-----------------	--

Explanation

The Execution Data Collector (EXDC) component has established the interval for which Impact Analysis monitoring of an address space, or service class, will be maintained before being switched off. This provides performance benefits by establishing a finite amount of time during which resource intensive operations take place. xxxxxxxx is the interval in seconds.

System action

None.

User response

None required.

KM50103I	KXDXXXXX LOADED AT:XXXXXXXX
-----------------	--

Explanation

The Execution Data Collector (EXDC) component load module KXDxxxxx has been loaded at storage address xxxxxxxx. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

System action

None.

User response

None required.

KM50104I	KXDXXXXX: KXDYYYYY: CCCCCCCC ALLOCATED AT: XXXXXXXX, SIZE: XXXXXXXX
-----------------	--

Explanation

The Execution Data Collector (EXDC) data area cccccccc has been allocated at location xxxxxxxx by routine KXDyyyyy in load module KXDxxxxx. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

System action

None.

User response

None required.

KM50106I	KXDWLSRV: KXDETEIN: ETE API INSTALLED SUCCESSFULLY
-----------------	---

Explanation

The API used to retrieve End To End data from the IBM Z OMEGAMON Monitor for z/OS End To End data collection address space connected successfully.

System action

None.

User response

None required.

KM50107I	KM2SESS: LROWS VALUE IS nnnnn
-----------------	--

Explanation

OMEGAMON II for OS/390 probe KM2SESS has instantiated an OMEGAMON for MVS session using a screenspace of size nnnnn logical screen rows. The session is used to accommodate output from commands driven by IBM Z OMEGAMON Monitor for z/OS rules. The LROWS value is controlled through the LROWS= keyword in the RKANPAR member KM2IPARM. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

System action

None.

User response

None required.

KM50108I	KM2xxxxx: RMF LEVEL(xx), FLAG(yy)
-----------------	--

Explanation

The OMEGAMON II for OS/390 probe KM2xxxxxx has detected RMF level xx which internally represents the RMF release level. Internal flag yy is used to control RMF-related information surfaced in the product log. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

System action

None.

User response

None required.

KM50109I	KM2CHANP: RMF FMID(xxxxxxxx)
-----------------	-------------------------------------

Explanation

The OMEGAMON II for OS/390 probe KM2xxxxxx has detected that the RMF FMID is xxxxxxxx. This message provides diagnostic information for IBM support personnel in the event that a problem is reported by the customer.

System action

None.

User response

None required.

KM50110I	KXDM3KCO: STARTING KM3AGENT
-----------------	--

Explanation

The IBM Z OMEGAMON Monitor for z/OS agent that supplies data to the Tivoli Enterprise Data Server is about to be initialized.

KM50120E	KXDWLUCB: KXDUCBSC: IEAMSCHD SYNCH CODES INDICATE SRB FAILURE. RC=xxxxxxxx, RSN=xxxxxxxx SRB ABEND PSW (SDWAEC1): xxxxxxxxxxxxxxxxxxxxSRB ABEND GPRS: 0-3: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxxGPRS: 4-7: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx GPRS: 8-B: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxxGPRS: C-F: xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
-----------------	--

Explanation

The enclave SRB running code redirected to a zIIP processor has terminated abnormally.

System action

The SRB scheduling service intercepts the SRB completion, abend, and abend reason codes. The Abend Code, Abend Reason Code, PSW and General Purpose Registers 0 through 15 at the time of the abend are displayed along with the message text.

User response

Print the RKLVLLOG and contact IBM support.

KM50121E	KXDWLUCB: KXDUCBSC: REDIRECTION TO ZIIP REVERTING TO NON-ZIIP PROCESSING.
-----------------	--

Explanation

The function redirecting processing to a zIIP processor has encountered a problem from which it cannot recover.

System action

Redirection of processing as an enclave SRB to a zIIP processor is abandoned and the function reverts to

running code on a standard CP in task-mode. This message is immediately preceded by either message KM50120E or KM50135E.

User response

Print the RKLVLLOG and contact IBM support.

KM50122E	KXDWLUCB: KXDUCBTR: STORAGE RELEASE FOR ZIIP RMTR FAILED. RC=xxxxxxx.
-----------------	--

Explanation

An attempt to free storage used for the zIIP redirection enclave SRB Resource Manager Termination Routine (RMTR) failed with the displayed return code.

System action

Termination of the Tivoli Enterprise Monitoring Server function continues.

User response

If the problem persists, print the RKLVLLOG and contact IBM support.

KM50123E	KXDWLUCB: KXDUCBTR: IWM4EDEL FAILED ATTEMPTING TO DELETE ZIIP ENCLAVE. RC=xxxxxxx, RSN=xxxxxxx .
-----------------	---

Explanation

An attempt to delete the enclave used for the zIIP redirection during termination failed with the displayed return and reason codes.

System action

Termination of the Tivoli Enterprise Monitoring Server function continues.

User response

If the problem persists, print the RKLVLLOG and contact IBM support.

KM50124I	KXDWLUCB: KXDUCBTR: ZIIP TIME CONSUMED IS xxxxxxx MICROSECONDS.
-----------------	--

Explanation

The total amount of zIIP resource consumed by the zIIP redirection enclave is printed for informational purposes during termination of the Tivoli

Enterprise Monitoring Server function. The value is in hexadecimal.

System action

None.

User response

None.

KM50125I	KXDWLUCB KXDWLUCB: KXDUCBTR: ZIIP ON CP TIME CONSUMED IS xxxxxxx MICROSECONDS.
-----------------	---

Explanation

The total amount of standard CP resource executing zIIP-eligible function consumed by the zIIP redirection enclave is printed for informational purposes during termination of the Tivoli Enterprise Monitoring Server function. The value is in hexadecimal.

System action

None.

User response

None.

KM50126I	KXDWLUCB: KXDUCBTR: ENCLAVE CPU TIME CONSUMED IS xxxxxxx MICROSECONDS.
-----------------	---

Explanation

The total amount of CPU resource consumed by the zIIP redirection enclave is printed for informational purposes during termination of the Tivoli Enterprise Management Server function. The value is in hexadecimal.

System action

None.

User response

None.

KM50127I	KXDWLUCB: KXDUCBTB: NOW BUILDING DYNAMIC UCB TABLE.
-----------------	--

Explanation

A table of configured device UCBs is being built for internal monitoring purposes.

System action

None.

User response

None.

KM50128E	KXDWLUCB: KXDUCBZI: IWM4ECRE FAILED ATTEMPTING TO CREATE ENCLAVE. RC=xxxxxxx, RSN=xxxxxxx .
-----------------	--

Explanation

An attempt to create the enclave used for the zIIP redirection failed with the displayed return and reason codes.

System action

Initialization of the Tivoli Enterprise Monitoring Server function continues without redirecting selected processing to a zIIP processor.

User response

If the problem persists, print the RKLVLLOG and contact IBM support.

KM50129E	KXDWLUCB: KXDUCBZI: FAILURE ATTEMPTING TO REDIRECT TO ZIIP. RC=xxxxxxx, RSN=xxxxxxx.
-----------------	---

Explanation

An attempt to establish zIIP redirection using an internal service failed with the displayed return and reason codes.

System action

Initialization of the Tivoli Enterprise Monitoring Server function continues without redirecting selected processing to a zIIP processor.

User response

If the problem persists, print the RKLVLLOG and contact IBM support.

KM50130I	KXDWLUCB: KXDUCBZI: NO ZIIPS CONFIGURED. REDIRECTION TO
-----------------	--

ZIIP ENCLAVE STILL ACTIVE FOR PROJECTCPU.

Explanation

No zIIPs are configured to the logical partition, but the operating system supports zIIPs and PROJECTCPU=YES is specified in the SYS1.PARMLIB IEAOPT member. zIIP redirection processing is still established, with zIIP-eligible consumption by zIIP redirection SRBs on standard CPs maintained in internal z/OS counters.

System action

Initialization of the Tivoli Enterprise Monitoring Server function continues.

User response

None.

KM50131I	KXDWLUCB: KXDUCBZI: NO ZIIPS CONFIGURED. PROJECTCPU DISABLED.
-----------------	--

Explanation

No zIIP processors are configured to the logical partition and the operating system supports zIIPs but PROJECTCPU=NO is specified in the SYS1.PARMLIB IEAOPT member. zIIP redirection processing is not attempted.

System action

The zIIP redirection enclave that has already been established is deleted and initialization of the Tivoli Enterprise Monitoring Server function continues with no zIIP redirection.

User response

None.

KM50133I	KXDWLUCB: KXDUCBZI: ZIIP REDIRECTION WILL NOT BE ATTEMPTED.
-----------------	--

Explanation

No zIIP processors are configured to the logical partition and the operating system supports zIIPs but PROJECTCPU=NO is specified in the SYS1.PARMLIB IEAOPT member. zIIP redirection processing is not attempted.

System action

The zIIP redirection enclave that has already been established is deleted and initialization of the Tivoli Enterprise Management Server function continues with no zIIP redirection.

User response

None.

KM50134E	KXDWLUCB: KXDUCBZI: IWM4EDEL FAILED ATTEMPTING TO DELETE ZIIP ENCLAVE. RC=xxxxxxx, RSN=xxxxxxx.
-----------------	--

Explanation

An attempt to delete the enclave used for the zIIP redirection during initialization failed with the displayed return and reason codes. The decision to not attempt zIIP redirection has already been made if this message is issued.

System action

Initialization of the Tivoli Enterprise Management Server function continues.

User response

If the problem persists, print the RKLVLLOG and contact IBM support.

KM50135E	KXDWLUCB: KXDUCBSC: IEAMSCHD GENERAL FAILURE. RC=xxxxxxx
-----------------	---

Explanation

The service used to schedule an SRB into the enclave created for zIIP redirection purposes failed with the displayed return code.

System action

The Tivoli Enterprise Monitoring Server function continues processing but function selected to run in an enclave SRB for zIIP redirection purposes will be run in task mode without zIIP redirection being performed.

User response

If the problem persists, print the RKLVLLOG and contact IBM support.

KM50136E	KXDWLUCB: KXDUCBIN: NO ZIIP OFFLOAD TO BE ATTEMPTED AT USER REQUEST
-----------------	--

**AS ENVIRONMENTAL VARIABLE
“KM5ZIPOFFLOAD” IS SET TO
“N”.**

Explanation

The environmental variable KM5ZIPOFFLOAD, available to control redirection of selected function to a zIIP processor, has been specified as “N”, or “n”, in the Tivoli Enterprise Monitoring Server RKANPAR dataset member KDSENV. This forces zIIP redirection initialization to be bypassed.

System action

The Tivoli Enterprise Monitoring Server function continues initialization, but no attempt is made to redirect selected processing to a zIIP processor.

User response

None, if zIIP redirection is not the desired option. Otherwise, the KM5ZIPOFFLOAD environmental variable specification must be set to “Y” or “y” in the Tivoli Enterprise Monitoring Server RKANPAR dataset KDSENV. If the KM5ZIPOFFLOAD environmental variable specification is omitted, the default action of redirecting selected function to a zIIP processor is performed.

KM54025I	USER=username CLASS=classname RESOURCE=resourcename.
-----------------	---

Explanation:

This message displays the input to the command validation; the *resourcename* variable is in the format *KM5.managed_system.function.value*.

System action:

None

User response:

None

KM54026I	RACROUTE request REG15=r15 SAFPRRET=prret SAFPRREA=prrea SAFPSFRC=psfrc SAFPSFRS=psfrs.
-----------------	--

Explanation:

This message displays the response from the last RACROUTE request, where the *request* is STAT, VERIFY, or AUTH.

System action:

The security decision is made based upon this response.

User response:

If diagnosing a validation error, refer to the *Security Server RACROUTE Macro Reference* manual to understand the return codes from the RACROUTE request.

KM54027I **USER=username RESULT=text.**

Explanation

This message displays the security decision. The *text* variable can be one of the following messages:

USER IS AUTHORIZED FOR THIS ACTION
VALIDATION NOT REQUESTED
USER IS NOT AUTHORIZED FOR THIS ACTION
NO SECURITY DECISION COULD BE MADE
INVALID USER NAME PASSED
INVALID RESOURCE NAME PASSED
RESOURCE NAME IS TOO LONG FOR THIS CLASS
INVALID CLASS SPECIFIED IN KDSENV FILE
AGENT NOT APF AUTHORIZED
ESM OR SPECIFIED CLASS INACTIVE
SPECIFIED CLASS INACTIVE
USER NOT DEFINED TO ESM
REJECTED BY INSTALLATION AUTHORIZATION
EXIT
UNEXPECTED SAF/ESM RETURN CODE

System action:

None

User response:

If you are diagnosing a validation error, this message indicates either the decision based upon the RACROUTE request or an error unrelated to RACROUTE.

KM5ACT010E **Security Class not specified.
RKANPARU(KDSENV) parameter
KM5_SECURITY_ACTION_CLASS
is missing or null.**

Explanation

Issuing a Take Action command from the OMEGAMON enhanced 3270 user interface or a M5 command from the Tivoli Enterprise Portal requires a security class to be specified by the RKANPARU(KDSENV) parameter, **KM5_SECURITY_ACTION_CLASS=**; this parameter is missing or has a null value.

System action

The command processor terminates without running the Take Action or M5 command.

User response

Specify the RKANPARU(KDSENV) parameter, **KM5_SECURITY_ACTION_CLASS=** with the appropriate SAF security class. Contact IBM Software Support, for further assistance.

KM5ACT011W **SAF Security is not enabled or
configured.
RKANPARU(KDSENV) parameter
KM5_SECURITY_ACTION_CLASS
is OMEGDEMO.
This product is running unsecured!**

Explanation

The Take Action commands from the OMEGAMON enhanced 3270 user interface and the M5 commands from the Tivoli Enterprise Portal are not secured. The RKANPARU(KDSENV) parameter, **KM5_SECURITY_ACTION_CLASS=OMEGDEMO**, is specified.

System action

The command processor executes the specified Take Action or M5 command.

User response

If your installation requires additional security for Take Action and M5 commands, specify the RKANPARU(KDSENV) parameter, **KM5_SECURITY_ACTION_CLASS=** with the appropriate SAF security class. Contact IBM Software Support, for further assistance.

KM5AG01W **OMEGAMON Subsystem *jobname*
on system is not responding.**

Explanation

The OMEGAMON Subsystem is not responding to agent requests for historical data in this Tivoli Enterprise Monitoring Server.

System action

Attempts to drive history agents that use the OMEGAMON Subsystem for data will be throttled back to one process at a time.

User response

Document the failing OMEGAMON Subsystem and recycle it.

KM5AK010W **There are no address spaces being
monitored by a situation, i.e., no
history eligible address spaces.**

Explanation

The Address Space Storage - Subpools and LSQA: Monitored Address Spaces workspace was selected, but there are no address spaces being monitored, that is, no address space name is specified in a running situation using the Address Space Name attribute.

System action

The agent terminates without returning data.

User response

History recording is available for subpool and LSQA data only for address spaces that are being monitored by a running situation. The Address Space Storage - Subpools and LSQA: Monitored Address Spaces workspace reports on address spaces that are currently being monitored and are therefore "history eligible". To monitor an address space, start a situation that uses the Address Space Name attribute from the KM5 Address Space Storage SubKey attribute group to specify the address space to be monitored.

KM5AK015W	History cannot be collected for attribute group KM5 Address Space Storage SubKey during this interval: There are no history eligible address spaces, as none are being monitored by a situation.
------------------	---

Explanation

Historical data collection has been started for the KM5 Address Space Storage SubKey attribute group and there are no history-eligible address spaces. Address spaces are made history eligible by being monitored, that is, specified in a running situation using the Address Space Name attribute.

System action

No history data is collected for the KM5 Address Space Storage SubKey attribute group.

User response

If you want history collection to take place, start a situation that uses the Address Space Name attribute to specify the address spaces for which history is to be collected. If you do not want history collection to take place, stop history collection for the KM5 Address Space Storage SubKey attribute group using the Tivoli Enterprise Portal History Collection Configuration window.

KM5AK020I	PEEK command failed: Address Space = (asname), ASID = (asid),
------------------	--

PEEK Message = (OMEGAMON for MVS message).

Explanation

A request (realtime, situation, or history) for data from the KM5 Address Space Storage SubKey attribute group failed for the reason indicated in the OMEGAMON for MVS message number. The most common cause for failure of the command is an address space that is not currently running, which results in the OMEGAMON message text 0B8310: Job not found.

System action

The agent terminates processing for the identified address space without returning data.

User response

Determine if monitoring an address space that is not currently running is an acceptable condition. If this is an unexpected condition, contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

KM5AK030E	Terminating processing for situation 'situation name'. Situations for attribute group KM5 Address Space Storage SubKey must specify the address space names to be monitored via the Address Space Name attribute.
------------------	--

Explanation

The situation indicated does not specify address space name or names to be monitored for attribute group KM5 Address Space Storage SubKey.

System action

No address spaces will be monitored. The agent terminates without returning data.

User response

Update the situation it to specify address space name or names to be monitored using the Address Space Name attribute.

KM5AK040W	Maximum number of history eligible address spaces (64) for attribute group KM5 Address Space Storage SubKey has been reached.
------------------	--

Explanation

The number of address spaces that can be monitored for attribute group KM5 Address Space Storage SubKey is capped at the value shown to control resource consumption.

System action

No address spaces beyond the maximum number are monitored.

User response

Review the list of address spaces being monitored by navigating to the Address Space Storage - Subpools and LSQA: Monitored Address Spaces workspace. Update the situation monitoring this attribute group to refine the list of address spaces specified by the Address Space Name attribute.

KM5CACHE	OMEGAMON Subsystem <i>jjjjjjj</i> on LPAR <i>ssssssss</i> is now caching near term history for IBM Z OMEGAMON Monitor for z/OS
-----------------	---

Explanation:

A historical data request was made by an agent in this Tivoli Enterprise Monitoring Server that was directed to the OMEGAMON Subsystem historical cache. The OMEGAMON Subsystem that is providing this service is named *jjjjjjj* and is running on LPAR *ssssssss*.

System action:

None. This message is informational only.

User response:

If this message is recent, it is possible that the cached data is still loading and recent history might not be available in the OMEGAMON Subsystem.

KM5DJ01I	KM5DEVJH table, for this execution, is derived from RMF GPMSEIVE data source. Response RC (xxxx)
-----------------	---

Explanation

The historical data supplied for this agent instance normally comes from the OMEGAMON Subsystem historical cache. This agent was not able to connect to that server.

System action

The agent switched to using the RMF Distributed Data Server directly to collect the requested data. The RMF Distributed Data Server might be unable to respond in a timely manner. If that is the case, the Enhanced 3270 user interface workspace might be empty.

User response

If the OMEGAMON Subsystem that provides the caching service can be activated, activate it. If the OMEGAMON Subsystem address space failed, collect its logs and contact IBM support.

KM5DR01I	KM5DEVRH table, for this execution, is derived from RMF GPMSEIVE data source. Response RC (xxxx)
-----------------	---

Explanation

The historical data supplied for this agent instance normally comes from the OMEGAMON Subsystem historical cache. This agent was not able to connect to that server.

System action

The agent switched to using the RMF Distributed Data Server directly to collect the requested data. The RMF Distributed Data Server might be unable to respond in a timely manner. If that is the case, the Enhanced 3270 user interface workspace might be empty.

User response

If the OMEGAMON Subsystem that provides the caching service can be activated, activate it. If the OMEGAMON Subsystem address space failed, collect its logs and contact IBM support.

KM5LD01I	M5CPCDETH table, for this execution, is derived from RMF GPMSEIVE data source. Response RC (xxxx)
-----------------	--

Explanation

The historical data supplied for this agent instance normally comes from the OMEGAMON Subsystem historical cache. This agent was not able to connect to that server.

System action

The agent switched to using the RMF Distributed Data Server directly to collect the requested data. The RMF Distributed Data Server might be unable to respond in a timely manner. If that is the case, the Enhanced 3270 user interface workspace might be empty.

User response

If the OMEGAMON Subsystem that provides the caching service can be activated, activate it. If the

OMEGAMON Subsystem address space failed, collect its logs and contact IBM support.

KM5LH01I	M5CPCSUMH table, for this execution, is derived from RMF GPMSERVE data source. Response RC (xxxx)
-----------------	--

Explanation

The historical data supplied for this agent instance normally comes from the OMEGAMON Subsystem historical cache. This agent was not able to connect to that server.

System action

The agent switched to using the RMF Distributed Data Server directly to collect the requested data. The RMF Distributed Data Server might be unable to respond in a timely manner. If that is the case, the Enhanced 3270 user interface workspace might be empty.

User response

If the OMEGAMON Subsystem that provides the caching service can be activated, activate it. If the OMEGAMON Subsystem address space failed, collect its logs and contact IBM support.

KM5SH01I	M5CPCDETH table, for this execution, is derived from RMF GPMSERVE data source. Response RC (xxxx)
-----------------	--

Explanation

The historical data supplied for this agent instance normally comes from the OMEGAMON Subsystem historical cache. This agent was not able to connect to that server.

System action

The agent switched to using the RMF Distributed Data Server directly to collect the requested data. The RMF Distributed Data Server might be unable to respond in a timely manner. If that is the case, the Enhanced 3270 user interface workspace might be empty.

User response

If the OMEGAMON Subsystem that provides the caching service can be activated, activate it. If the OMEGAMON Subsystem address space failed, collect its logs and contact IBM support.

KM5P050E	Configuration Error: System <i>system_name</i> enqplex name exceeds 8
-----------------	--

Explanation

The agent encountered an invalid enqplex name. This indicates an internal error.

System action

The agent is terminated.

User response

Contact IBM Software Support.

KM5P051E	OMEGAMON architectural limit exceeded - more than <i>n</i> enqplex names have been encountered
-----------------	---

Explanation

The maximum number of enqplexes has been exceeded. This may indicate an internal error.

System action

The agent is terminated.

User response

Contact IBM Software Support.

KM5P052E	OMEGAMON architectural limit exceeded – more than <i>n</i> plex hub names have been encountered
-----------------	--

Explanation

The maximum number of plex hubs for one enqplex has been exceeded. This may indicate an internal error.

System action

The agent is terminated.

User response

Contact IBM Software Support.

KM5P053E	Configuration Error: System <i>system_name</i> occurs multiple times
-----------------	---

Explanation

System names must be unique. The indicated system name was encountered more than once.

System action

The agent is terminated.

User response

Contact IBM Software Support.

KM5P054E	OMEGAMON architectural limit exceeded - more than <i>n</i> system names have been encountered for enqplex
-----------------	--

Explanation

The maximum number of systems for one enqplex has been exceeded. This indicates an internal error.

System action

The agent is terminated.

User response

Contact IBM Software Support.

KM5P055E	Configuration Error: System <i>system_name</i> occurs in more than one enqplex. The enqplexes are: <i>enqplex_names</i>
-----------------	--

Explanation

A system may not be part of more than one enqplex. The indicated system was encountered in more than one enqplex. This indicates an internal error.

System action

The agent is terminated.

User response

Contact IBM Software Support.

KM5P056E	setupMglblenqSQL failed, abandoning view
-----------------	---

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P057E	ProcessInput() failed, error return
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P058E	DQSQLW problem; abandoning view
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P059E	DQSQLW problem (NULL call); abandoning view
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P060E	MENTRENQ query (Report==Y) being terminated by loop control
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P061E	MENTRENQ query (Report!=Y) being terminated by loop control
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P062E	Unable to create new Summary Output Row
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P063E	Unable to create new Detail Output Row
-----------------	---

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5P064E	All available <i>n</i> output rows used
-----------------	--

Explanation

Internal error.

System action

The agent is terminated.

User response

See accompanying messages and contact IBM Software Support.

KM5PIR10E	Number of arguments exceeds limit of 32, quitting.
------------------	---

Explanation

The arguments passed to the KM5PLEX manager, KM5PIR, contains more than the predefined limit of 32 arguments.

System action

The KM5PLEX agents are terminated to prevent potential storage overlays.

User response

Verify the format of the command in the KDSSTART member of the RKANCMU library. The command should look something like the following:

```
F stcname,IRAMAN KM5PLEX command
```

If anything other than the parameter START, STOP, or SHUTDOWN is in the command area, remove it and attempt the command again.

KM5PIR11E	Argument string length exceeds limit of 4096, quitting.
------------------	--

Explanation

The length of the arguments passed to the KM5PLEX manager, KM5PIR, exceeds the predefined limit of 4096 bytes.

System action

The KM5PLEX agents are terminated to prevent potential storage overlays.

User response

Verify the format of the command in the KDSSTART member of the RKANCMU library. The command should look something like:

F stcname,IRAMAN KM5PLEX command

If anything other than the parameter START, STOP, or SHUTDOWN is in the command area, remove it and attempt the command again.

KM5PIR54I **KM5PLEX agents version %s
(Build Level %s) started.**

Explanation

The z/OS KM5PLEX agent package has started. The message includes version number and build date and time.

KM5PIR55E **Unable to allocate the M5GLOBAL
control block**

Explanation

An attempt was made to allocate storage for a common area needed by the KM5PLEX agents. This is an indication of a storage constraint on the started task.

System action

The KM5PLEX agents are terminated.

User response

Verify that the started task used to run the KM5PLEX agents is not constrained by any memory restrictions in the procedure. Verify the storage specifications in the KDSSYSIN member of RKANPARU.

KM5PIR57E **Unable to allocate the PLEX status
control block.**

Explanation

An attempt to allocate storage for a common area needed by the KM5PLEX agents failed. The failure is an indication of a storage constraint on the started task.

System action

The KM5PLEX agents are terminated.

User response

Verify that the started task used to run the KM5PLEX agent is not constrained by any memory restrictions in the procedure. Verify the storage specifications in the KDSSYSIN member of RKANPARU.

KM5PIR58E **Error <error_code> trying to find
the PLEX status.**

Explanation

The KM5PLEX IRA manager, KM5PIR, attempted to obtain the status information on the node that represents the enterprise-level z/OS node. The status returned was unexpected. The error code returned for the status request is displayed. The potential error codes are:

8

Error returned while trying to prepare the SQL statement.

12

Error returned while trying to create the request for the SQL statement.

16

Error returned while trying to open the request for the SQL statement.

20

Error returned while trying to obtain the output SQLDA area.

System action

The KM5PLEX agents are terminated.

User response

This error is an indication of either a failure to communicate with the hub Tivoli Enterprise Monitoring Server or an internal error. Verify that the hub Tivoli Enterprise Monitoring Server is running and that the HUB_NAME parameter properly identifies the hub. If not, resolve the error by restarting the hub if it was down or changing the value in the HUB_NAME parameter in the KDSENV member of RKANPARU. If the hub is running and properly identified, contact IBM Software Support

KM5PIR59E **Global area not allocated,
terminating KM5PLEX agents.**

Explanation

An attempt was made to use storage for a common area needed by the agent and that storage was not available.

System action

The agent is terminated.

User response

This is an indication of an internal error. Contact IBM Software Support.

KM5PIR65E	Unable to allocate connection object
------------------	---

Explanation

An attempt to allocate storage for a common area needed by the KM5PLEX agents failed. This failure is an indication of a storage constraint on the started task.

System action

The KM5PLEX agents are terminated.

User response

Verify that the started task used to run the agent is not constrained by any memory restrictions in the procedure. Verify the storage specifications in the KDSSYSIN member of RKANPARU.

KM5PIR66E	Error <error_code> attempting to connect to <hub_name> on port <port_number>.
------------------	--

Explanation

An error was returned when attempting to connect to the hub Tivoli Enterprise Monitoring Server. The message contains the error number, the value for the hub name, and the port number being used. Error codes include:

- 8** No global area found
- 12** HUB_NAME not found
- 16** No storage for connection available
- 20** No storage for nodes available

System action

The KM5PLEX agents are terminated.

User response

All errors reported are fatal and indicate either communications or storage errors. If the problem is a communications error, the error code is 12. Verify that the hub Tivoli Enterprise Monitoring Server is running and if, the HUB_NAME variable is in use, that it is correctly set in the KDSENV file. For the storage issues, try verifying that the specifications in the KDSSYSIN member in RKANPARU are accurate.

See also: KM5PIR71E

KM5PIR68E	Error allocating storage for NodeHdr object.
------------------	---

Explanation

An attempt was made to allocate storage for a common area needed by the KM5PLEX agents and that storage was not available.

System action

The KM5PLEX agents are terminated.

User response

This message indicates an internal error. Contact IBM Software Support.

KM5PIR71E	Connection Failure Message: <failure_details>
------------------	--

Explanation

The attempt to connect to the hub Tivoli Enterprise Monitoring Server failed, as indicated by KM5PIR66E, which is the message that should appear before this message. The text following Connection Failure Message: provides further details as to what actually failed while attempting the connection.

System action

The KM5PLEX agents are terminated as a result of the error reported in KM5PIR66E.

User response

If you contact IBM Software Support, provide them with the text of this message, which will help them diagnose the cause of the connection failure.

KM5PIR72E	Terminating KM5PLEX, TEMS HUB connection impossible: rc = <return_code>
------------------	--

Explanation

While attempting to connect to the hub Tivoli Enterprise Monitoring Server, an error was detected that the agent is not capable of resolving. This message is usually preceded by messages KM5PIR66E and KM5PIR71E.

System action

The KM5PLEX agents are terminated.

User response

See message KM5PIR66E.

KM5PIR76E **Not connected to the TEMS HUB.**

Explanation

A connection to the hub Tivoli Enterprise Monitoring Server, which should have made by this time, does not exist.

System action

The KM5PLEX agents are terminated.

User response

This message indicates an internal error. Contact IBM Software Support.

KM5PIR77E **Attempted a <operation_type> and failed with error code <error_code>.**

Explanation

A failure occurred while attempting the indicated operation in preparation for querying the INODESTS table.

System action

The KM5PLEX agents are terminated.

User response

This message indicates an internal error. Contact IBM Software Support.

KM5PIR78I **This started task has been made the KM5PLEX level agent.**

Explanation

The z/OS KM5PLEX agent package is running in this Tivoli Enterprise Monitoring Server. There will only be one KM5PLEX agent running in a Sysplex.

KM5PIR79I **KM5_GLOBAL allocated at: <address>.**

Explanation

The KM5PLEX global area, KM5_Global, was allocated at the indicated address. This is provided for diagnostic purposes.

KM5PIR80W **Command line exceeds %d, truncating to <%s>**

Explanation

The length of the command passed to the KM5PLEX IRA manager, KM5PIR, exceeds the allocated buffer size.

System action

The command is truncated as indicated and processed.

User response

Verify the command entered. The command should look something like the following example:

```
F stcname,IRAMAN KM5PLEX command
```

If anything else is in the command area other than the parameters START, STOP, or SHUTDOWN, remove it and attempt the command again.

KM5Pn01E **No node header available**

Explanation

The agent attempted to find a storage area that represents nodes registered at the Tivoli Enterprise Monitoring Server. This control block address contains a NULL value and therefore cannot be used.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

This is an indication of an internal error. Report the problem to IBM Software Support.

KM5Pn02E **Unable to resolve global area address**

Explanation

The agent attempted to find a storage area that represents a global control block that contains information needed by this table code. This control block address contains a NULL value and therefore cannot be used.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

This is an indication of an internal error. Report the problem to IBM Software Support.

KM5Pn03E Error <error_code> from Init_HUB

Explanation

The table logic determined that the connection to the hub monitoring server had terminated and attempted to reconnect. The reconnect attempt resulted in an error which would have generated its own error codes documented in previous messages.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

Take the actions associated with the previous error messages.

KM5Pn04E Unable to obtain SQLInterface storage for <hub_name>

Explanation

A storage allocation request was made for an area used to execute SQL requests with the hub Tivoli Enterprise Monitoring Server. This storage allocation failed.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

This message is an indication of a storage constraint problem with this started task. Adjustments can be made to the limit statements in the KDSSYSIN parameters in RKANPARU. If the problem persists after a restart, contact IBM Software Support.

KM5Pn05E Error <error_code> attempting Prepare

Explanation

An SQL request was being prepared for use and the request failed. The error associated with the request is displayed in the message. The error code is associated with an internal request to create an access plan.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

Contact IBM Software Support and report the error message, along with the error code returned.

KM5Pn06E Error <error_code> attempting Create Request

Explanation

An SQL request was being created for use and the request failed. The error associated with the request is displayed in the message. The error code is associated with an internal request to create request.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

Contact IBM Software Support and report the error message, along with the error code returned.

KM5Pn07E Unable to locate Input SQLDA

Explanation

An SQL statement was prepared and the request was opened. The table logic then tried to obtain an SQL structure used to define input parameters and that request failed.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

Contact IBM Software Support and report the error message.

KM5Pn08E Error <error_code> attempting Open Request

Explanation

Everything was ready to drive the SQL request and an Open was executed. This open failed. The return code reported in the error message represents the type of failure.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

Contact IBM Software Support and report the error message, along with the error code returned.

KM5Pn09E Unable to locate Output SQLDA

Explanation

The output SQLDA area was not available from the SQL interface. This area is required to map the data being returned by other agents being driven by the SQL request.

System action

The request for data is terminated and the agent does not return any data for this request.

User response

Contact IBM Software Support and report the error message.

KM5RM0001E JLF WRITE API parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build an internal API (Journal Logging Facility) parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0002E HTTP GET of RMF DDS report failed. Response status = xxxxxxxx, tcp_msg return code = yyyyyyyy.

Explanation

An HTTP GET request to obtain an RMF Distributed Data Server report failed, with the HTTP response status (xxxxxxx) and internal API return code (yyyyyyy). This failure occurred after RMF Data Collector initialization.

System action

The RMF Data Collector component of the OMEGAMON tries the HTTP GET operation again.

User response

No user response is required, unless this message is followed by either message KM5RM0033E or KM5RM0036E. See explanation of those messages for appropriate user response.

KM5RM0003E JLF WRITE API buffer allocation failed

Explanation

Insufficient memory was available to satisfy a request to build an internal API (Journal Logging Facility) request buffer.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0004E RMF Data Collector JLF WRITE failure rc = xxxxxxxx, rsn = yyyyyyyy

Explanation

A request to write data to the Journal Logging Facility failed with the return code (xxxxxxx) and the reason code (yyyyyyy).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0005E	JLF INITIALIZE API parameter list allocation failed
-------------------	--

Explanation

Insufficient memory was available to satisfy a request to build an internal API (Journal Logging Facility) parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0006E	JLF SET API parameter list allocation failed
-------------------	---

Explanation

Insufficient memory was available to satisfy a request to build an internal API (Journal Logging Facility) parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0007E	HTTP GET of RMF DDS report failed. Response status = xxxxxxxx, tcp_msg return code = yyyyyyyy
-------------------	--

Explanation

An HTTP GET request to obtain an RMF Distributed Data Server report failed, with the HTTP response status (xxxxxxx) and internal API return code (yyyyyyy). This failure occurred during RMF Data Collector initialization.

System action

The RMF Data Collector component of the OMEGAMON tries the HTTP GET operation again.

User response

No user response is required unless this message is followed by KM5RM0016E. See explanation of those messages for appropriate user response.

KM5RM0008E	RMF DDS SMF ID Table allocation failed
-------------------	---

Explanation

Insufficient memory was available to satisfy a request to build an internal table of the systems that service the Sysplex.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON Support.

KM5RM0009E **Unable to obtain RMF Control header address. rsn = xxxxxxxx, rsn2 = yyyyyyyy**

Explanation

An internal API call to obtain the address of the RMF Data Collector anchor control block failed.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON Support.

KM5RM0010E **RMF DDS IP Address and Port Number discovery failed rc = xxxxxxxx, rsn = yyyyyyyy, rsn2 = zzzzzzzz**

Explanation

An internal API call to discover the RMF Distributed Data Server TCP/IP address and port number failed with return code (xxxxxxx), reason code (yyyyyyy) and secondary reason code (zzzzzzz).

yyyyyyy is the return code from the z/OS IWMSRSRS API call.

zzzzzzz is the return code from the z/OS IWMSRSRS API call.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON Support.

KM5RM0011E **RMF Data Collector could not obtain JLF token rc = xxxxxxxx, rsn=yyyyyyy, rsn2=zzzzzzz**

Explanation

An internal API call to obtain the address of the anchor of the Journal Logging Facility failed, with return code (xxxxxxx), reason code (yyyyyyy), and secondary reason code (zzzzzzz)

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON Support.

KM5RM0012E **RMF Data Collector could not create JLF CSOs rc = xxxxxxxx, rsn=yyyyyyy, rsn2=zzzzzzz**

Explanation

An internal API call to create the objects representing RMF reports in the journal logging facility failed, with return code (xxxxxxx), reason code (yyyyyyy), and secondary reason code (zzzzzzz)

System action

The RMF Data Collector component of the OMEGAMON subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON Support.

KM5RM0013E **RMF Data Collector could not set JLF CSOs rc = xxxxxxxx, rsn=yyyyyyy, rsn2=zzzzzzz**

Explanation

An internal API call to initialize the objects representing an RMF report in the Journal Logging Facility failed, with return code (xxxxxxx), reason code (yyyyyyy), and secondary reason code (zzzzzzz)

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON Support.

KM5RM0014E RMF Data Collector configuration parsing failed rc=xxxxxxx

Explanation

An internal API call to initialize the objects representing an RMF report in the Journal Logging Facility failed, with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem continues to initialize using default values for any configuration values that failed parsing criteria. Additionally, message KM50045W is issued informing the user of default values being used.

User response

Check OMEGAMON Subsystem configuration values in the RKANPAR concatenation KOBENV and KDSENV members for appropriate environmental variable names and values as documented in the IBM Z OMEGAMON Monitor for z/OS Installation and Configuration Guide.

KM5RM0015I Requested range of report data to be cached == nn hours

Explanation

The time range of the RMF reports to be staged by the OMEGAMON Subsystem is the last *nn* hours. Possible values are 0 - 120 hours. Default value is 24 hours.

System action

None.

User response

None.

**KM5RM0016E SMF ID table build failed.
rc=xxxxxxx, rsn=yyyyyyy**

Explanation

An internal routine used to build a table of all systems in the sysplex that are reporting data to the RMF Distributed Data Server failed, with the return code (xxxxxxx) and reason (yyyyyyy).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support

KM5RM0017E Thread attribute initialization for subthreads failed rc = xxxxxxx, rsn=yyyyyyy, rsn2=zzzzzzz.

Explanation

A system function used to set characteristics of the RMF Data Collector processing subthreads failed, with return code (xxxxxxx), reason code (yyyyyyy), and secondary reason code (zzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0018E Loader subthread parm area allocation failed.

Explanation

Insufficient memory was available to satisfy a request to build the RMF Data Collector load processing subthread parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0019E Updated subthread parm area allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the RMF Data Collector update processing subthread parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0020E Loader subthread KM5RMFTC parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the RMF Data Collector load processing subthread timing service routine parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to

initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0021E Updater subthread KM5RMFTC parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the RMF Data Collector update processing subthread timing service routine parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0022E Work Area KM5RMFTC parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the RMF Data Collector internal work area timing service routine parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages that are related to system memory problems. If no such

messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0023I	Requested range of cached report data starts from YYYY/MM/DD HH:MM:SS
-------------------	--

Explanation

The YYYY/MM/DD HH:MM:SS time stamp represents the earliest staged report data that can be retrieved from the OMEGAMON Subsystem. The time stamp is calculated by taking the current time-stamp at OMEGAMON Subsystem RMF Data Collector initialization and subtracting the number of hours specified by the KM5_NTH_RANGE environmental variable.

System action

None.

User response

None.

KM5RM0024E	Setting of thread job-step indicator for subthreads failed rc=xxxxxxx, rsn=yyyyyyyy, rsn2=zzzzzzzz
-------------------	---

Explanation

A system function that is used to set task-specific characteristics of the RMF Data Collector processing subthreads failed; with return code (xxxxxxx), reason code (yyyyyyyy, and secondary reason code (zzzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0026E	Unable to create loader subthread km5jlfldr
-------------------	--

Explanation

A system function that is used to start the load processing subthread of the RMF Data Collector processing failed; with return code (xxxxxxx), reason code (yyyyyyyy, and secondary reason code (zzzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0027E	Unable to create loader subthread km5jlfupr
-------------------	--

Explanation

A system function that is used to start the updater processing subthread of the RMF Data Collector processing failed; with return code (xxxxxxx), reason code (yyyyyyyy, and secondary reason code (zzzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0028I	RMF Data Collector initialized successfully
-------------------	--

Explanation

The OMEGAMON Subsystem RMF Data Collector initialized successfully. Initial loading and ongoing updating of the staged RMF report data has been stored.

System action

None.

User response

None.

**KM5RM0030E Unable to create loader subthread
km5jlfupd**

Explanation

A system function that is used to start the updater processing subthread of the RMF Data Collector processing failed; with return code (xxxxxxx), reason code (yyyyyyyy), and secondary reason code (zzzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

**KM5RM0031E pthread_join() for subthread
km5jlfupd failed rc = xxxxxxxx,
rsn=yyyyyyyy, rsn2=zzzzzzzz**

Explanation

Establishment of waiting for the OMEGAMON Subsystem RMF Data Collector update processing subthread completion before full termination failed with return code (xxxxxxx), reason code (yyyyyyyy) and secondary reason code (zzzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem continues termination. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

**KM5RM0032I Requested Initial RMF Cache
Range has been loaded
successfully**

Explanation

The OMEGAMON Subsystem RMF Data Collector successfully completed staging RMF report data for the initial time range specified by the KM5_NTH_RANGE environmental variable. The time range is specified in hours.

System action

None.

User response

None.

**KM5RM0033E Report data retrieval and caching
for subthread km5jlfldr failed. rc =
xxxxxxx**

Explanation

During the initial loading of staged RMF report data, a failure in the HTTP processing or Journal Logging Facility was encountered, with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

**KM5RM0034E pthread_join() for subthread
km5jlfldr failed rc=xxxxxxx,
rsn=yyyyyyyy, rsn2=zzzzzzzz**

Explanation

Establishment of waiting for the OMEGAMON Subsystem RMF Data Collector load processing subthread completion before full termination failed with return code (xxxxxxx), reason code (yyyyyyyy), and secondary reason code (zzzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0035E Updated subthread KM5RMFTC parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the RMF Data Collector update processing subthread internal work area timing service routine parameter list.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0036E Report data retrieval and caching for subthread km5jlfupd failed. rd=xxxxxxx

Explanation

During ongoing updating of staged RMF report data a failure in the HTTP processing or Journal Logging Facility was encountered with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to

initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0037E RMF Data Collector Pass Ticket Generation failure rc=xxxxxxx

Explanation

During ongoing updating of staged RMF report data a failure in the HTTP processing or Journal Logging Facility was encountered with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

This message is followed by message KM5RM0038E.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0038E Unable to generate RACF Pass Ticket rc=xxxxxxx

Explanation

Generation of a RACF Pass ticket required for HTTP requests to the RMF Distributed Data Server failed with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

This message is preceded by message KM5RM0037E.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0039W RMF rediscovery failed, continuing attempts to reconnect

Explanation

The RMF distributed data Server connection with the OMEGAMON Subsystem RMF Data Collector has dropped and reconnection is being attempted.

System action

None.

User response

None.

KM5RM0040I Requested Initial RMF Cache Range has been loaded successfully

Explanation

The RMF Distributed data Server connection with the OMEGAMON Subsystem RMF Data Collector was previously dropped and reconnection has been successfully completed.

System action

None.

User response

None.

KM5RM0041I Environmental variable KM5_NTH_CACHE defaulting to (Y)ES

Explanation

The setting of the KM5_NTH_CACHE environmental variable in the RKANPAR concatenation KOBENV member was not specified as (Y)ES or N(O), so the default value of (Y)ES is assumed.

System action

The OMEGAMON subsystem initializes as eligible to stage RMF Report Data.

User response

Check OMEGAMON subsystem configuration values in the RKANPAR concatenation KOBENV and KDSENV members for appropriate environmental variable names and values as documented in the IBM

Z OMEGAMON Monitor for z/OS Planning and Configuration Guide.

KM5RM0042I Reports now cached from YYYY/MM/DD HH:MM:SS to YYYY/MM/DD HH:MM:SS

Explanation

The selected reports staged by the OMEGAMON Subsystem RMF Data Collector now cover the range from YYYY/MM/DD HH:MM:SS to YYYY/MM/DD HH:MM:SS.

System action

None.

User response

None.

KM5RM0043I Near Term History caching range using default of *nnn* hours

Explanation

The selected reports staged by the OMEGAMON Subsystem RMF Data Collector are retrieved from a starting point that is *nnn* hours before the current time of being activated as the RMF Data Collector.

Normally, the value is specified by the KM5_NTH_RANGE environmental variable.

System action

None.

User response

None.

KM5RM0044I Command issued top RMF Data Collector: xxxxxxxxxxxxxxxxxxxxxxxxx

Explanation

A console MODIFY command, xxxxxxxxxxxxxxxxxxxxxxxxx, was issued against the OMEGAMON subsystem that was registered as being processed by the RMF Data Collector.

System action

The command is processed by the RMF Data Collector command handler.

User response

None.

KM5RM0045W Continuing initialization with configuration defaults

Explanation

OMEGAMON Subsystem RMF Data Collector encountered a parsing problem at initialization when processing the RMF Data Collector configuration variables.

System action

The RMF Data Collector continues initialization with default settings for any values that are not parsed correctly.

This message is preceded by message KM50014E.

User response

Check OMEGAMON Subsystem configuration values in the RKANPAR concatenation KOBENV and KDSENV members for appropriate environmental variable names and values as documented in the IBM Z OMEGAMON Monitor for z/OS Planning and Configuration Guide.

KM5RM0047I RMF Data Collector is already caching RMF report data or on standby

Explanation

A console MODIFY command, NTHCACHE RESUME, was issued against the OMEGAMON Subsystem RMF Data Collector when it was already actively collecting or on standby eligible for activation.

System action

The OMEGAMON Subsystem RMF Data Collector continues to stage RMF report data or remains on standby.

User response

None.

KM5RM0048W RMF DDS discovery failed, continuing attempts to connect.

Explanation

The RMF Distributed Data Server connection with the OMEGAMON Subsystem RMF Data Collector was not

established or re-established and is now attempting to connect periodically until a connection is established.

System action

The OMEGAMON Subsystem RMF Data Collector continues its attempts to establish a connection to the RMF Distributed Data Server.

User response

Check the RMF Distributed Data server address space (GPMSERVE) logs for possible problems if a connection is not established in a reasonable time frame.

**KM5RM0049I RMF DDS connection now established at
nnnn.nnnn.nnnn.nnnn nnnn.**

Explanation

The RMF Distributed Data Server connection with the OMEGAMON Subsystem RMF Data Collector is established or re-established at IP address *nnnn.nnnn.nnnn.nnnn* and IP Port Number *nnnn*.

System action

The OMEGAMON Subsystem RMF Data Collector continues processing using the RMF Distributed Data Server connection established.

User response

None.

KM5RM0050E Publish IP address and port number failure rc = xxxxxxxx.

Explanation

An internal subroutine that is used to obtain the IP address of the OMEGAMON Subsystem RMF Data Collector failed, with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

This message is preceded by message KM5RM0037E.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

**KM5RM0051E KM5XOAS1 parameter list
allocation failed**

Explanation

Insufficient memory was available to satisfy a request to build the parameter list for an internal RMF Data Collector routine that obtains the OMEGAMON Subsystem RMF Data Collector IP address.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

**KM5RM0052E EZASMI TYPE=GETHOSTNAME
failed rc = xxxxxxxx, rsn =
yyyyyyyyy, rsn2 = zzzzzzzz**

Explanation

A system function used to obtain the Host Name of the OMEGAMON Subsystem RMF Data Collector failed with return code (xxxxxxx), reason code (yyyyyyyyy), and secondary reason code (zzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support

**KM5RM0053E EZASMI TYPE=GETADDRINFO
failed rc = xxxxxxxx, rsn =
yyyyyyyyy, rsn2 = zzzzzzzz**

Explanation

A system function used to obtain the IP address of the OMEGAMON Subsystem RMF Data Collector failed with return code (xxxxxxx), reason code (yyyyyyyyy), and secondary reason code (zzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support

**KM5RM0054E EZASMI TYPE=FREEADDRINFO
failed rc = xxxxxxxx, rsn =
yyyyyyyyy, rsn2 = zzzzzzzz**

Explanation

A system function used to free structures used to obtain the IP address of the OMEGAMON Subsystem RMF Data Collector failed, with return code (xxxxxxx), reason code (yyyyyyyyy), and secondary reason code (zzzzzzz).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support

**KM5RM0055I RMF Data Collector is now
suspended**

Explanation

An NTHCACHE SUSPEND console command was issued to the OMEGAMON Subsystem to suspend staging of RMF report data.

System action

The OMEGAMON Subsystem RMF Data Collector is suspended until an NTHCACHE RESUME console command is issued or a STOP console command is issued.

User response

None.

KM5RM0056I RMF Data Collector is resumed

Explanation

An NTHCACHE RESUME console command was issued to the OMEGAMON Subsystem to resume staging of RMF report data after staging was suspended by an NTHCACHE SUSPEND console command.

System action

OMEGAMON Subsystem RMF Data Collector staging of RMF report data is resumed.

User response

None.

KM5RM0057I NTHCACHE RESUME can only be executed if KM5_NTH=YES was specified.

Explanation

An NTHCACHE RESUME console command was issued to the OMEGAMON Subsystem, but the RMF Data Collector is ineligible for staging RMF report data because the KM5_NTH environmental variable was not set to (Y)ES.

System action

OMEGAMON Subsystem RMF Data Collector continues in a wait state until a STOP console command is issued.

User response

None.

KM5RM0058I RMF Data Collector group name must be 1-8 characters, truncating to XXXXXXXX

Explanation

The KM5_NTH_CACHE environmental variable value specified more than 8 characters as a group name to be used among OMEGAMON Subsystem RMF Data Collectors.

System action

The KM5_NTH_CACHE environmental variable value is truncated to the first 8 characters and used as a group name among OMEGAMON Subsystem RMF Data Collectors.

User response

Check the KM5_NTH_CACHE environmental variable specification in the OMEGAMON Subsystem RKANPAR member KOBENV and set an appropriate 1-8 character value to allow the default group name KM5WMSRS to be used by specifying a blank value.

KM5RM0059E ENQ parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the parameter list for a z/OS ENQ in an internal OMEGAMON Subsystem RMF Data Collector subroutine.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0060E DEQ parameter list allocation failed

Explanation

Insufficient memory was available to satisfy a request to build the parameter list for a z/OS DEQ in an internal OMEGAMON Subsystem RMF Data Collector subroutine.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0061I	Now caching RMF DDS report data for group XXXXXXXX
-------------------	---

Explanation

The OMEGAMON Subsystem RMF Data Collector is now staging RMF report data in group XXXXXXXX.

System action

The OMEGAMON Subsystem RMF Data Collector continues to stage RMF report data until an NTHCACHE SUSPEND or STOP console command is issued.

User response

None.

KM5RM0062I	RMF Data Collector currently on standby for group XXXXXXXX
-------------------	---

Explanation

The OMEGAMON Subsystem RMF Data Collector is standing by to stage RMF report data because another RMF Data Collector is actively staging RMF report data for the same group name XXXXXXXX.

System action

The OMEGAMON Subsystem RMF Data Collector continues in standby mode until the active RMF Data Collector in group XXXXXXXX terminates, or until a console STOP command is issued. If the RMF Data

Collector becomes active, message KM5RM0061I is issued.

User response

None.

KM5RM0063E	Failure during attempt to obtain group enqueue rc = xxxxxxxx
-------------------	---

Explanation

An OMEGAMON Subsystem RMF Data Collector internal subroutine used to serialize the staging of RMF report data among RMF Data Collectors in the same group failed, with return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0064E	IWMSRDRS parameter list allocation failed
-------------------	--

Explanation

Insufficient memory was available to satisfy a request to build the parameter list for a z/OS IWMSRDRS call in an internal OMEGAMON Subsystem RMF Data Collector subroutine.

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0065E RMF Data Collector server deregistration failed rc = xxxxxxxx, rsn = yyyyyyyy

Explanation

Deregistration of the OMEGAMON Subsystem as a WLM server using a z/OS IWMSRDRS call in an internal OMEGAMON Subsystem RMF Data Collector subroutine failed with a return code (xxxxxxx) and reason code (yyyyyyy).

System action

The RMF Data Collector component of the OMEGAMON Subsystem continues to terminate. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0066E RMF Data Collector server registration failed rc = xxxxxxxx

Explanation

Registration of the OMEGAMON Subsystem as a WLM server using a z/OS IWMSRSRG call in an internal OMEGAMON Subsystem RMF Data Collector subroutine failed with a return code (xxxxxxx).

System action

The RMF Data Collector component of the OMEGAMON Subsystem is terminated. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0067I NTHCACHE SUSPEND issued against already suspended RMF Data Collector

Explanation

An NTHCACHE SUSPEND console command was issued to the OMEGAMON Subsystem to suspend staging of RMF report data after staging, but the RMF Data Collector was already suspended.

System action

OMEGAMON Subsystem RMF Data Collector staging of RMF report data remains suspended.

User response

None.

KM5RM0068W NTHCACHE command only supports SUSPEND, RESUME or LOCATE as keywords

Explanation

An NTHCACHE console command was issued to the OMEGAMON Subsystem with an accompanying keyword that was not supported for the NTHCACHE command.

System action

OMEGAMON Subsystem RMF Data Collector continues processing, ignoring the command.

User response

Check the command syntax of the NTHCACHE command and reissue it if the accompanying keyword expected by the RMF Data Collector is missing or incorrect.

KM5RM0069W NTHCACHE, DEBUG, and STOP are only supported commands

Explanation

An unsupported console MODIFY command was issued to the OMEGAMON Subsystem RMF Data Collector.

System action

OMEGAMON Subsystem RMF Data Collector continues processing, ignoring the command.

User response

Check the command syntax of the MODIFY command and reissue it if the accompanying keyword expected by the RMF Data Collector is missing or incorrect.

KM5RM0070I **RMF Data Collector suspend requested**

Explanation

An NTHCACHE SUSPEND console command was issued to the OMEGAMON Subsystem to suspend staging of RMF report data.

System action

OMEGAMON Subsystem RMF Data Collector staging of RMF report data is suspended if the RMF Data Collector was actively staging RMF report data.

User response

None.

KM5RM0071I **RMF Data Collector resume requested**

Explanation

An NTHCACHE RESUME console command was issued to the OMEGAMON Subsystem to resume staging of RMF report data.

System action

OMEGAMON Subsystem RMF Data Collector staging of RMF report data is resumed if the RMF Data Collector was actively staging RMF report data.

User response

None.

KM5RM0073I **z/OS Near-Term history is disabled by the KM5_NTH environmental variable**

Explanation

The KM5_NTH environmental variable is set to (N)O and OMEGAMON Subsystem RMF Data Collector staging of RMF report data will not be activated during the life of the OMEGAMON Subsystem.

System action

OMEGAMON Subsystem RMF Data Collector staging of RMF report data will not be activated.

User response

None.

KM5RM0074I **Group Name Job Name ASID**
KM5RM0075I **System**
KM5RM0076I -----
 XXXXXXXX X XXXXXXXX XXXX
 XXXXXXXX

Explanation

An NTHCACHE LOCATE console command was issued to the OMEGAMON Subsystem RMF Data Collector to report all of the active RMF Data Collectors in the Sysplex.

System action

The two informational headers, KM5RM0074I and KM5RM0075I are written to SYSPRINT followed by a KM5RM0076I informational line for each active RMF Data Collector. The Active RMF Data Collector for the group RMF Data Collector that the NTHCACHE LOCATE command was issued from is indicated by an asterisk (*) following the group name.

User response

None.

KM5RM0077E **ISGQUERY answer area allocation failed**

Explanation

Insufficient memory was available to satisfy a request to build the answer area for a z/OS ISGQUERY call in an internal OMEGAMON Subsystem RMF Data Collector subroutine.

System action

The RMF Data Collector component of the OMEGAMON Subsystem processing continues. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Check the z/OS System Log for messages related to system memory problems. If no such messages are found, save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0078E **ISGQUERY call failed, rc =**
 XXXXXXXX, rsn = XXXXXXXX

Explanation

A z/OS ISGQUERY call issued in an OMEGAMON Subsystem RMF data Collector subroutine failed with return code (xxxxxxx) and reason code (yyyyyyy).

System action

The RMF Data Collector component of the OMEGAMON Subsystem processing continues. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0079E **Setting of Load and Update processing times failed rc = xxxxxxxx, rsn = yyyyyyyy**

Explanation

An OMEGAMON Subsystem RMF Data Collector subroutine called to calculate the start times for the load and update subthreads failed, with return code (xxxxxxx) and reason code (yyyyyyy).

System action

The RMF Data Collector component of the OMEGAMON subsystem terminates. Other OMEGAMON Subsystem components continue to operate. If another RMF Data Collector is standing by on another system in the Sysplex, it will attempt to initialize and take over staging of selected RMF reports in the OMEGAMON Subsystem cache.

User response

Save the OMEGAMON Subsystem job output and contact IBM OMEGAMON support.

KM5RM0080W **Because suspension of caching exceeded the configured RMF Cache Range, no reports were cached between YYYY/MM/DD HH:MM:SS and YYYY/MM/DD HH:MM:SS**

Explanation

An NTHCACHE SUSPEND console command was issued, and later followed by an NTHCACHE RESUME console command. However, the time range where

caching was suspended exceeds the configured time range for cached reports. The resumed caching start time is calculated by subtracting the cache range time from the time when the resume command was issued. The additional time between the time of suspension and time of resumption results in selected RMF reports not being cached by the OMEGAMON Subsystem. The time range that cannot be cached is displayed as YYYY/MM/DD HH:MM:SS to YYYY/MM/DD HH:MM:SS.

The configured time range of cached reports is specified as *nnn* hours in the environmental variable NTH_CACHE_RANGE. The value is displayed during OMEGAMON Subsystem initialization by message KM5RM00xx15I.

System action

OMEGAMON Subsystem RMF Data Collector continues processing the NTHCACHE RESUME command.

User response

None.

KM5RM0083W **KM5_NTH_DDS value is invalid**

Explanation

Incorrect DDS host and/or port type has been specified in KM5_NTH_DDS.

System action

Near-term history will be disabled in E3270.

User response

Correct the parameters and restart the subsystem.

KM5TE100E **Logon to OMEGAMON for MVS Failed**

Explanation

Scripted logon to OMEGAMON for MVS failed due to one or more of the following reasons.

- The host IP name does not point to a system with an active TN3270 listener.
- The TN3270 IP port number is incorrect.
- The VTAM APPLID is not the OMEGAMON for MVS APPLID.
- The default/initial TN3270 screen does not allow a LOGON APPLID() DATA() command.

System action

System exits the terminal emulator script.

User response

Validate the host IP name, IP port number, and VTAM APPLID. Correct the values if necessary by running PARMGEN. If the default or initial TN3270 screen does not allow a LOGON APPLID() DATA() command, specify an LU Group that does allow these commands, if available. Contact IBM Software Support to receive further assistance.

KM5TE200E	Signon to OMEGAMON for MVS Failed
------------------	--

Explanation

Scripted signon to OMEGAMON for MVS failed due to invalid user ID or password, or both.

System action

System exits the terminal emulator script.

User response

Specify a valid OMEGAMON for MVS user ID and password. Contact IBM Software Support if further assistance is required.

KM5X0010E	XE to OMEGAMON for MVS Linking is not configured. (RKANPARU(KDSENV) parameter KM5_DXL_APPLID is missing or null
------------------	--

Explanation

The Dynamic XE to OMEGAMON for MVS linking feature requires the VTAM Application ID (APPLID) of the OMEGAMON for MVS address space. This APPLID is specified as the KM2_CLASSIC_VTAM_APPL_LOGON parameter in PARMGEN. This parameter is missing or has a null value.

System action

The agent terminates without returning data required for connection and logon to OMEGAMON for MVS.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

KM5X0020E	Cannot discover Host IP Name - KM5XOAS1 Return Code = nnn
------------------	--

{EZASMI TYPE=GETHOSTNAME - Return Code = xx, Errno = yy, Noload = zz}{EZASMI TYPE=GETADDRINFO - Return Code = xx, Errno = yy, Noload = zz}{EZASMI TYPE=FREEADDRINFO - Return Code = xx, Errno = yy, Noload = zz}

Explanation

Module KM5XOAS1 failed to find the host IP name.

System action

The agent terminates without returning data required for connection and logon to OMEGAMON for MVS.

User response

Contact IBM Software Support and report the error. Provide the output of RKLVLLOG.

KM5ZAA010	XML Parsing Error: ttttttt tag.
------------------	--

Explanation:

The XML Parser cannot locate the specified tag *ttttttt*.

System action:

The agent terminates processing for this data request.

User response:

Verify that zAware is properly installed. If memory dump information is included with this message, submit this information with any other KM5ZAA or KM5ZAI prefixed messages to IBM Software Support.

KM5ZAA020E	zAware collection failed, status <i>n</i>, explanatory text.
-------------------	---

Explanation

The variables *n*, *explanatory text* can be one of the following:

- 1, Bad Connection handle
- 2, KDH1_NewClient failed to create a client handle
- 3, Server address cannot be determined
- 4, Storage allocation failed
- 5, Unable to originate connection to server
- 6, User and password are required server credentials
- 7, Credentials exceed maximum length
- 8, Request rejected by server
- 9, Server failed to deliver a response entity
- 10, Server returned an invalid response entity
- 11, Unable to fetch response entity
- 12, Request code invalid
- 13, Resource parameter omitted

- 14, Name parameter omitted
- 15, ListType parameter omitted
- 16, Type parameter omitted
- 17, DSN parameter omitted
- 18, ID parameter omitted
- 19, One or more responses failed to complete
- 20, User or password credentials rejected by server
- 21, AT-TLS configuration incomplete for zAware use
- 22, ICSF is not active for this LPAR

System action:

The agent terminates processing for this data request.

User response:

If the explanatory text is *20, User or password credentials rejected by server*, determine a user ID and password combination that works from a browser session with the zAware appliance. Specify these credentials for use by OMEGAMON through the OMEGAMON enhanced 3270 user interface.

If the explanatory text is *21, AT-TLS configuration incomplete for zAware use*, verify the LPAR running the zAware agent is configured to use AT-TLS when the OMEGAMON agent is interacting with the zAware server.

If the explanatory text is *22, ICSF is not active for this LPAR*, Either ICSF is not running in this LPAR or the monitoring server that the OMEGAMON agent is running in does not concatenate the ICSF load library in the RKANMODL DD statement. For all other conditions contact IBM Software Support.

KM5ZAI005E Missing or Invalid parameter.

Explanation:

Internal agent error.

System action:

The agent terminates processing for this data request.

User response:

Contact IBM Software Support.

**KM5ZAI010I IXGQUERY RC=returncode
RSN=reasoncode.**

Explanation:

Informational message reporting the return and reason code from the IXGQUERY service.

System action:

The agent terminates processing for this data request if the return code is 8 or greater.

User response:

See any accompanying messages that indicate an error condition and follow those user response instructions.

KM5ZAI012E zAware environment error.

Explanation:

The agent could not discover the zAware location information because of an incompatibility in the z/OS image(client)..

System action:

The agent terminates processing for this data request.

User response:

Verify zAware is installed on the z/OS image. If properly installed, contact IBM Software Support.

KM5ZAI016E IXGQZBUF output buffer not found.

Explanation:

Internal agent error.

System action:

The agent terminates processing for this data request.

User response:

Contact IBM Software Support.

KM5ZAI018E IXGQZBUF return length of data invalid.

Explanation:

Internal agent error.

System action:

The agent terminates processing for this data request.

User response:

Contact IBM Software Support.

KM5ZAI020I IXGQZBUF area.

Explanation:

Memory display of the IXGQUERY buffer returned.

System action:

None.

User response:

See any accompanying messages that indicate an error condition and follow those user response instructions.

**KM5ZAA030E SQL1_CreatePath to Hub failed
rc=returncode. km5zaag agent
process ended.**

Explanation:

The KM5ZAAG agent failed to open a path to the hub Tivoli Enterprise Monitoring Server. The return code of the failure is *returncode*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVLLOG and contact IBM support.

**KM5ZAA032E Create Access Plan failed with
status return code**

The KM5ZAAG agent failed when attempting to use catalog information to establish the modules needed to process the SQL request. The return code of the failure is *return code*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVLOG and contact IBM support.

KM5ZAA034E Create Request failed with status
return code

Explanation:

The KM5ZAAG agent failed when attempting to drive setup phases in the processing modules for this agent. The return code of the failure is *return code*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVL0G and contact IBM support.

KM5ZAA036E GetInputSQLDA failed with status
return code

Explanation:

The KM5ZAAG agent failed when attempting to acquire input variables for the SQL request at the hub Tivoli Enterprise Monitoring Server. The return code of the failure is *return code*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVL0G and contact IBM support.

KM5ZAA038E **Open Request returned with
status *return code***

Explanation:

The KM5ZAAG agent failed when attempting to drive live data collection for the SQL request. The return code of the failure is *return code*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVL0G and contact IBM support.

KM5ZAA040E	GetOutputSQLDA failed with status <i>return code</i> + sqldaOut->sqln = <i>output area size</i> + sqldaOut->sqld = <i>output area storage address.</i>
-------------------	--

Explanation:

The KM5ZAAG agent failed when attempting to acquire a data structure to hold result rows for the SQL request. The return code of the failure is *return code*. *output area size* is the size of the output area needed. *output area storage address* is the storage address of the output area.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVL0G and contact IBM support.

KM5ZAA045E	error for SQL, sqlStatus(<i>return code</i>)
------------	--

Explanation:

The KM5ZAAG agent failed when attempting to fetch result row values for the SQL request. The return code of the failure is *return code*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVL0G and contact IBM support.

KM5ZAA047E	Failure stage(return code)
------------	----------------------------

Explanation

The KM5ZAAG agent failed when attempting one of the stages in the SQL process for the SQL request. The stage of the failure is *Failure stage*. *Failure stage* is a string with a value like:

- SQL1_CreateAccessPlan
- SQL1_CreateRequest
- SQL1_GetInputSQLDA
- SQL1_GetOutputSQLDA
- SQL1_Fetch

The return code of the failure is *return code*.

System action:

The agent terminates processing for this data request. It is likely that no requests to this agent will work until this issue is resolved.

User response:

Save the address space RKLVLLOG and contact IBM support.

KM5ZAA050E zAware Credentials could not be set. No open KEY1 slots for key appliance URL

Explanation:

The KM5ZAAG agent attempt to store logon credentials for use with the zAware appliance at the Hub has failed. The URL of the appliance is like *appliance URL*.

System action:

The agent returns a row indicating that credentials cannot be stored.

User response:

Verify the zAware URL supplied is accurate and that the user ID and password for logging on to this appliance are active. This can be done by using these same values in a browser session to this zAware appliance. If the credentials are OK then save the RKLVLLOG with this message and contact IBM support. If the credentials fail then investigate what is the correct URL address, user ID and password in your environment.

KM5ZAA052E CRY_Decrypt2 failed: status = return code

Explanation:

The KM5ZAAG attempt to decrypt the user password for use with the zAware appliance has failed with *return code*.

System action:

The zAware workspace is empty.

User response:

Verify that the Integrated Cryptographic Service Facility (ICSF) is installed in the LPAR where this agent is running. If ICSF is active then save the address space RKLVLLOG and contact IBM support.

KM5ZAA054E CRY_Encrypt2 failed: status = return code

Explanation:

The KM5ZAAG attempt to encrypt the user password for use with the zAware appliance has failed with *return code*.

System action:

None.

User response:

Verify that the Integrated Cryptographic Service Facility (ICSF) is installed in the LPAR where this agent

is running. If ICSF is active then save the address space RKLVLLOG and contact IBM support.

KM5ZAA056E variable text (see Explanation).

Explanation

The KM5ZAAG agent found syntax errors when processing credentials that are sent from the OMEGAMON enhanced 3270 user interface (enhanced 3270UI). Text is one of the following:

zAware Location string is too big. Size found is xx. Maximum allowed is yy.

zAware user ID string is too big. Size found is xx. Maximum allowed is yy.

zAware password string is too big. Size found is xx. Maximum allowed is yy.

zAware certificate expiration date string is too big. Size found is xx. Maximum allowed is yy.

zAware password expiration date string is too big. Size found is xx. Maximum allowed is yy.

System action:

zAware credentials in KM5ZACRED table are not changed.

User response:

Try to enter the credentials again. If the problem persists call IBM support

KM5ZAA058E zAware collection failed, invalid password received from e3270ui.

Explanation:

The KM5ZAAG agent determined that the password received in encrypted form from the OMEGAMON enhanced 3270 user interface (enhanced 3270UI) is not valid.

System action:

zAware credentials in KM5ZACRED table are not changed.

User response:

Try to enter the credentials again. If the problem persists call IBM support

KM5ZAA060W zAware item expired. item date is expiration date, today is today's date

Explanation:

Either the zAware certificate or the logon user password has reached its expiration date. If *item* is *certificate*, then the certificate for the zAware appliance has expired. If *item* is *credentials* then the user password has expired. *expiration date* is the item's expiration date and *today's date* is today's date.

System action:

If the user password has expired, the stored password in the KM5ZACRED table is invalidated.

User response:

If the user password has expired, use the OMEGAMON enhanced 3270 user interface to establish new valid user ID and password credentials for the zAware appliance. If the zAware certificate has expired, consult zAware installation customization documentation for guidance on how to obtain a new certificate.

KOBHL0006E No available worker subtasks.**Explanation:**

A request for data from the OMEGAMON Subsystem cache was received, but all available socket server worker subtasks are busy.

System action:

TCPIP queues further cached data requests until worker subtasks become available.

User response:

The default number of socket server worker subtasks is 10. Consider increasing the **HTTPWRKS** parameter in `hilev.WCONFIG(KOB$PENV)` and restarting the OMEGAMON Subsystem address space. You can dynamically modify the HTTPWRKS value by using the **HTTPS START HTTPWRKS=xx** modify command. If the problem persists, contact IBM support.

**KOBHL0007E tcp_service failed.
 errno=error_number
 line=line_number****Explanation**

A call to a TCP service failed with the specified error number at the indicated line number of the module that invoked the TCP service. The TCP service might be: accept, bind, close, getclientid, getsockname, givesocket, listen, setsockopt. The *error_number* can be looked up using the **ERRNO** command and is also found in the Communication Server IP and SNA Codes, and in the UNIX System Services Messages and Codes manuals. The *line_number* is the line number of the module where the TCP service was invoked.

System action

The system action varies depending on the TCP service that is being invoked. In some cases, a data request might fail, while in other cases the socket server might be unusable.

User response

Look up the reported error number and correct the issue if possible. For example, an *error_number* of 1115(0x'0000045B') on a bind failure would indicate an EADDRINUSE condition(the port is in use by another application). This *error_number* indicates that

the value specified for the HTTPPORT override in `hilev.RKANPARU(KOB$PENV)` must be modified to specify an unused port number. If possible, use the *error_number* information to correct the problem, otherwise contact IBM support.

**KOBHW0011E JLF Token retrieval error.
 rc=return_code.****Explanation:**

The socket server worker subtask was unable to retrieve the token from the journaling facility subcomponent.

System action:

The socket server worker subtask is unable to retrieve the token from the journaling facility subcomponent.

User response:

Contact IBM support.

KOE000I**Explanation**

This message is used to echo messages.

System action

Processing continues.

User response

No action required.

**KOE001E ERROR ACTIVATING CONSOLE
 RC=returncode RSN=reasoncode****Explanation**

An attempt was made to activate an EMCS console called KOEEMCS using the MCSOPER macro, but an error occurred. The returncode and reasoncode are from the MCSOPER macro.

System action

Processing continues without the Extended MCS.

User response

None required.

**KOE001I z/OS UNIX Agents agentname now
 online timestamp****Explanation**

The UNIX Agent whose origin node is agentname is now online. The timestamp is timestamp.

System action

Processing continues.

User response

None required.

KOE002E	ERROR TRYING TO GET A MESSAGE RC=returncode RSN=reasoncode
----------------	---

Explanation

An attempt was made to retrieve a message queued to the Extended MCS named KOEEMCS using the MCSOPMSG macro, but an error occurred. The returncode and reasoncode are from the MCSOPMSG macro.

System action

Processing continues without looking at the message.

User response

None required.

KOE003I	CONSOLE HAS BEEN ACTIVATED
----------------	-----------------------------------

Explanation:

System action:

User response:

KOE004I	CONSOLE HAS BEEN DEACTIVATED
----------------	---

Explanation:

System action:

User response:

KOE005E	ERROR DEACTIVATING CONSOLE RC=returncode RSN=reasoncode
----------------	--

Explanation

An attempt was made to deactivate an EMCS console called KOEEMCS using the MCSOPER macro, but an error occurred. The returncode and reasoncode are from the MCSOPER macro.

System action

Processing continues.

User response

Contact IBM support.

KOE007E	CONSOLE QUEUEING STOPPED DUE TO MEMORY LIMIT
----------------	---

Explanation

The memory dataspace for the EMCS called KOEEMCS is full.

System action

The EMCS will be deactivated.

User response

None.

KOE008E	CONSOLE QUEUEING STOPPED DUE TO DEPTH LIMIT
----------------	--

Explanation

The maximum number of messages for the EMCS called KOEEMCS has been received.

System action

The EMCS will be deactivated.

User response

None.

KOE009E	INTERNAL SYSTEM ERROR ON CONSOLE
----------------	---

Explanation

An internal error has occurred in the processing of the EMCS called KOEEMCS.

System action

The EMCS will be deactivated.

User response

None.

KOE101E	ERROR IN IEFPRMLB action RC=returncode RSN=reasoncode
----------------	--

Explanation

An error occurred issuing the IEFPRMLB macro. This is in order to read the values of PBXPRMxx members. The action is either ALLOCATE, READMEMBER, or FREE. The returncode and reasoncode are from the IEGPRMLB macro.

System action

Processing continues without the PARMLIB concatenation.

User response

None.

KOE006W	ALERT DETECTED - DEACTIVATING CONSOLE
----------------	--

Explanation

An alert was received for the EMCS called KOEEMSG.

System action

The EMCS will be deactivated.

User response

None.

KOE010W	RECEIVED QUEUE DEPTH ALERT
----------------	-----------------------------------

Explanation

An alert for EMCS called KOEEMCS was received, warning that the maximum allowable alert count has been reached.

System action

The EMCS will be deactivated.

User response

None.

KOS101I	CMS <i>cmsname</i> IS NOW THE SYSPLEX PROXY
----------------	--

Explanation

The Tivoli Enterprise Monitoring Server indicated by *cmsname* has become the Sysplex Proxy. A monitoring server becomes the Sysplex Proxy in one of two scenarios:

- During startup, when designated (during product configuration) as the Primary Sysplex Proxy.
- During recovery, when designated as a Backup Sysplex Proxy and the current Sysplex Proxy monitoring server fails.

System action

This message appears in the Tivoli Enterprise Monitoring Server RKLVLLOG. Notification can also

be sent to the MVS console, enabling access by automated operations tools.

User response

Take whatever action is necessary when the Sysplex Proxy function is assigned, or reassigned, to a Tivoli Enterprise Monitoring Server.

KOS150I	GPMSEVER SERVER IS REGISTERED
----------------	--

Explanation

The Resource Management Facility (RMF) Distributed Data Server component is active in this sysplex and will be used to supply data for the coupling facility workspaces and situations.

System action

None

User response

As long as you are seeing coupling facility data in IBM Z OMEGAMON Monitor for z/OS workspaces, no action is required. If coupling facility workspaces have no data, there may be a problem with RACF and PassTicket authorization. Either fix the RACF problem or bypass use of RMF for coupling facility data.

To bypass use of RMF collection, uncomment the statement “KDS_KM5_DDS=NO” in every *&rhilev.&rtename*.RKANPARU(KDSENV) member in this sysplex.

Informational

KOS151I	GPMSEVER SERVER IS NOT REGISTERED
----------------	--

Explanation

The Resource Management Facility (RMF) Distributed Data Server component is not active in this sysplex. IBM Z OMEGAMON Monitor for z/OS will use its own collection mechanism to obtain coupling facility data.

System action

None

User response

None

Informational

KOS152I	NOW USING OMEGAMON FOR CF DATA COLLECTION
----------------	--

Explanation

The Resource Management Facility (RMF) Distributed Data Server is not available to provide coupling facility data. IBM Z OMEGAMON Monitor for z/OS is using its own collection services to provide this data.

System action

None

User response

None

Informational

KOS153I	NOW USING RMF FOR CF DATA COLLECTION
----------------	---

Explanation

The Resource Management Facility (RMF) Distributed Data Server is available to provide coupling facility data. IBM Z OMEGAMON Monitor for z/OS is using RMF services. OMEGAMON collection services will be suspended.

System action

None

User response

None

Informational

KOS154I	REGISTER RETURN CODE – xxxx DDS URL – yyyy:pp
----------------	--

Explanation

IBM Z OMEGAMON Monitor for z/OS has attempted to publish the location of the RMF Distributed Data Server (DDS) for all agents in this Tivoli Enterprise Management Server to use. If the return code value (xxxx) is 0, the publication was successful. The DDS location is the IP address (yyyy) and port number (pp) at the end of the message.

System action

None

User response

If the return code is 0, no response is needed.
If some other code is returned, try recycling the Tivoli Enterprise Monitoring Server. If a bad return

code persists, you can bypass use of the DDS by uncommenting the statement “KDS_KM5_DDS=NO” in every &rhilev.&rtename.RKANPARU(KDSENV) member in this sysplex.

Report the failure and return code to support.

Informational

KOS155W	KOS155W - KDS_KM5_DDS VALUE IS INVALID, DEFAULTING TO KDS_KM5_DDS=NO
----------------	---

Explanation

Incorrect DDS host and/or port type has been specified in KM5_NTH_DDS.

System action

Depending on which parameter is incorrect, near-term history may be disabled in E3270. No real-time data will be retrieved from the RMF DDS, the OMEGAMON Subsystem will be used to collect CF and XCF data, lock data will not be collected.

User response

Correct the parameters and restart the TEMS.

KS3L000I	Args = arguments
-----------------	-------------------------

Explanation

These are the arguments that were passed to the launch application.

System action

None

User response

None

KS3L001E	Invalid parameter invalid_parameter
-----------------	--

Explanation

Any invalid parameter of *invalid_parameter* was entered into the launch application.

This message is the first part of a multiline message that is displayed when a parameter is entered incorrectly.

System action

None

User response

Ensure that entries with embedded blanks are enclosed in double quotes. For example: -location="C:\Program files\Internet Explorer\iexplore.exe".

KS3L002I	Ensure that entries with embedded blanks are enclosed with double quotes.
-----------------	--

Explanation

Any invalid parameter of *invalid_parameter* was entered into the launch application.

This message is the second part of a multiline message that is displayed when a parameter is entered incorrectly.

System action

None

User response

Ensure that entries with embedded blanks are enclosed in double quotation marks. For example: -location="C:\Program files\Internet Explorer\iexplore.exe".

KS3L003I	Example: -location="C:\Program files\Internet Explorer\iexplore.exe"
-----------------	---

Explanation

An invalid parameter of *invalid_parameter* was entered into the launch application.

This message is the third part of a multiline message that is displayed when a parameter is entered incorrectly.

System action

None

User response

Ensure that entries with embedded blanks are enclosed in double quotes.

KS3L004E	Request must be either -remove or -change
-----------------	--

Explanation

The request must be one of the following:

- -remove, to remove or delete launch points

- -change, to insert or change launch points

System action

None

User response

Ensure that you have used the correct switch.

KS3L005E	Request update(insert) requires -loc and -url parameters
-----------------	---

Explanation

To insert new launch points, you must supply both of the following parameters:

- -loc to supply the location of the browser
- -url to supply the HTTP address of the RMF portal application

System action

None

User response

Ensure that you provide both of the parameters in your insert request.

KS3L006E	Request update requires -loc or -url parameters
-----------------	--

Explanation

To update an existing launch point you can supply either or both of the following parameters.

- -loc to supply the location of the browser
- -url to supply the HTTP address of the launch point

System action

None

User response

Supply the correct switch and value for the parameters you want to change.

KS3L007I	Issue updates using URL=address explore loc=location
-----------------	---

Explanation

The launch point will be updated using the URL and location shown.

System action

None

User response

None

KS3L008I **Issue updates using explore**
loc=location

Explanation

The launch points will be updated using the browser location indicated in the message.

System action

None

User response

None

KS3L009I **Issue updates using URL=url**

Explanation

The launch points will be updated using the URL indicated in the message.

System action

None

User response

None

KS3L010I **Launch points with**
host=host_name location=location
URL=url

Explanation

These are the parameters entered for the launch application.

System action

None

User response

None

KS3L011I **Processing n of n**

Explanation

This message displays the progress of the launch application in processing the launch points.

System action

None

User response

None

KS3L012I **Launch points completed**

Explanation

This message indicates the launch application processing has completed.

System action

None

User response

None

KXD001W **OMEGAMON detects that TEMS**
jobname, stepname appears to
be in a sick state. Agents are
not functioning as expected.
Recycling this address space is
recommended.

Explanation

The Task Control Block running agent activity in this Tivoli Enterprise Monitoring Server has suffered an abend. Agent related activity will not be able to resume until the Tivoli Enterprise Monitoring Server is recycled.

System action

The default will be to leave the sick Tivoli Enterprise Monitoring Server running.

User response

Obtain problem documentation and then either manually recycle the Tivoli Enterprise Monitoring Server or update your automation scripts to do this for you. Message "KXD001W - TEMS jobname IS SICK, RECYCLE IT." will be seen in the system's SYSLOG for automation support.

KXD0023 **SKIPPING CF COLLECTION**
IN KXD0023 - RECALLED

**KFA#XDDS VALUE IS *yyyy:pp* ,
RETURN CODE - *xxxx***

Explanation

The IBM Z OMEGAMON Monitor for z/OS coupling facility collection service has determined that Resources Management Facility (RMF) is supplying data. The RMF location is shown by its IP address (*yyyy*) and port number (*pp*). A return code of 0 indicates that OMEGAMON collection has been suspended.

System action

None

User response

None

Informational

KXDFC024	USING CF COLLECTION IN KXDFCGET - RECALLED KFA#XDDS VALUE IS <i>yyyy:pp</i> , RETURN CODE - <i>xxxx</i>
-----------------	--

Explanation

The IBM Z OMEGAMON Monitor for z/OS coupling facility collection service has determined that the Resource Management Facility(RMF) is not supplying data. The RMF location is shown by its IP address (*yyyy*) and port number (*pp*). A return code of 0 indicates that OMEGAMON collection has been resumed.

LNK001I	LNKLST SUCCESSFULLY REPLACED, DEB ADDR= <i>debaddress</i>, LLT ADDR=<i>lltaddress</i>
----------------	--

Explanation

OMEGAMON successfully replaced the system link list with a new one, whose DEB address is *debaddress* and LLT address is *lltaddress*.

System action

Processing continues.

User response

None.

LNK002I	DSN=<i>dsnname</i> EXT=<i>number</i> APF=<i>auth</i>
----------------	---

Explanation

After a successful replacement of the system link list (see message LNK001I), this message is displayed for each dataset that is in the new link list. DSN is the name of the dataset, EXT is the number of extents for this dataset, and APF indicates whether or not this dataset is APF authorized, YES to NO.

System action

Processing continues.

User response

None.

LNK101W	LLA COMMAND NOT ISSUED; LLA IS NOT ACTIVE
----------------	--

Explanation

OMEGAMON attempted to issue a Start jobname command with the LLA parameter, using SVC 34. However, the LLA is not active.

System action

Processing continues without starting the job.

User response

None.

LNK102W	LLA COMMAND NOT ISSUED; ERROR IN SVC 34
----------------	--

Explanation

OMEGAMON attempted to issue a Start jobname command using SVC 34. However, an error occurred while processing the SVC.

System action

Processing continues without starting the job.

User response

None.

LNK103W	I/O ERROR ON SYSPRINT DD; REMAINING MESSAGES OUTPUT VIA WTO
----------------	--

Explanation

OMEGAMON attempted to output a message to the SYSPRINT DD dataset, but an I/O error occurred. As

an alternative, subsequent messages are output to the operator using WTO.

System action

Processing continues.

User response

None.

LNK104W	SQA FREEMAIN FAILED; RC=returncode,ADDRESS=address, LENGTH=length
----------------	--

Explanation

After switching the Link List, OMEGAMON attempted to free the storage for the old LNKLIST, and the FREEMAIN failed. The returncode is from the FREEMAIN macro. The address and length of the storage is given in the message.

System action

Processing continues.

User response

None.

LNK105W	STOP LLA HAS NOT COMPLETED; LLA CANNOT RESTART
----------------	---

Explanation

OMEGAMON attempted to stop the LLA with a STOP LLA command using SVC 34. An error occurred while processing the command.

System action

The LLA cannot be restarted.

User response

None.

LNK106W	START LLA HAS NOT COMPLETED SUCCESSFULLY
----------------	---

Explanation:

System action:

User response:

LNK201E	REPLKLIST PROGRAM IS NOT AUTHORIZED
----------------	--

Explanation

In order to replace the existing Link List table with a new Link List table, the OMEGAMON task, REPLKLIST must run as an APF program. The TESTAUTH macro reveals that it is not APF.

System action

Processing continues without replacing the Link List table.

User response

Ensure that all the datasets associated with this task are APF.

LNK202E	LNKLIST REPLACE DENIED BY OPERATOR
----------------	---

Explanation

OMEGAMON asks the operator for permission to replace the existing Link List with a new Link List. Either the request timed out (10 minutes), or the operator denied permission.

System action

Processing continues without replacing the Link List table.

User response

Determine why the operator replied "NO" or why the request was ignored. If necessary, instruct the operator to grant permission.

LNK203E	INVALID PARMLIST SPECIFIED
----------------	-----------------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON discovered an error in an input parameter list.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

LNK204E	SQA ALLOCATION FAILED FOR LNKLIST DEB AND LLT
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an error in allocating SQA storage for the new Link List DEB and LLT.

System action

Processing continues without replacing the Link List table.

User response

None.

LNK205E	OPEN FAILED FOR INPUT DATASET
----------------	--------------------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON tried to dynamically open the input dataset, and a failure occurred. The dataset should be either SYS1.PARMLIB or LNKLSTXX.

System action

Processing continues without replacing the Link List table.

User response

Determine what dataset was used and why there might be a problem with it.

LNK206E	READ FAILED FOR INPUT DATASET
----------------	--------------------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON encountered an error while reading a record from the input dataset.

System action

Processing continues without replacing the Link List table.

User response

Determine what dataset was used and why there might be a problem with it.

LNK207E	MAXIMUM NUMBER OF LNKLST DATASETS EXCEEDED
----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON determined that the maximum number of Link List dataset (118) would be exceeded.

System action

Processing continues without replacing the Link List table.

User response

Determine why there were more than 118 datasets specified.

LNK208E	DCB VALIDATION ERROR ON INPUT DATASET
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON determined that the input dataset is of the wrong format. It cannot be RECFM=U or RECFM=F. Also the logical record size must be 80.

System action

Processing continues without replacing the Link List table.

User response

Correct the format of the input dataset.

LNK209E	ESTAE FAILED; RC=returncode
----------------	------------------------------------

Explanation

While attempting to switch the Link List table, OMEGAMON issued an ESTAE recovery routine, but an error occurred. The *returncode* is from the ESTAE macro.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

LNK210E	DYNALLOC FAILED FOR INPUT DATASET; ERROR CODE=errorcode,INFO CODE=infocode
----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON tried to dynamically allocate the input dataset and member used to rebuild the LNKLIST. An error occurred. The *errorcode* and *infocode* are from SVC 99.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LNK211E	SYNTAX ERROR IN INPUT RECORD NUMBER <i>number</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON encountered a syntax error in record number *number*.

System action

Processing continues without replacing the Link List table.

User response

Determine and correct the syntax error.

LNK212E	LOCATE FAILED FOR DSNAME=<i>dsname</i>
----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON used the LOCATE macro to find the VOLSER for the specified link list dataset. The LOCATE failed because the dataset is not cataloged.

System action

Processing continues without replacing the Link List table.

User response

Catalog the dataset and try again.

LNK213E	MULTIPLE VOLUMES; DSNAME= <i>dsname</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON used the LOCATE macro to find the VOLSER for the specified link list dataset, and discovered that it is a multi-volume dataset.

System action

Processing continues without replacing the Link List table.

User response

Reallocate the dataset as a single-volume dataset and try again.

LNK214E	OBTAIN FAILED FOR DSNAME= <i>dsname</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON used the OBTAIN macro for a format 3 DSCB, and an error occurred.

System action

Processing continues without replacing the Link List table.

User response

???

LNK215E	UCB LOOK-UP FAILED FOR VOLUME=<i>volume</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON issued the UCBLOOK macro for the specified VOLSER to ensure that the dataset is on DASD volume that is permanently mounted. An error was encountered

System action

Processing continues without replacing the Link List table.

User response

Contact IBM Support.

LNK216E	VOLUME <i>volume</i> IS NOT A PERM RESIDENT DASD VOLUME
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON issued the UCBLLOOK macro for the specified VOLSER to ensure that the dataset is on DASD volume that is permanently mounted, and found that it is not.

System action

Processing continues without replacing the Link List table.

User response

Make the volume permanently mounted.

LNK217E	LNKLST DEB COUNT EXCEEDED; MAXIMUM=<i>maximum</i> FOR count DATASETS
----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON found that the maximum number of extents would be exceeded for the new Link List dataset.

System action

Processing continues without replacing the Link List table.

User response

Reallocate the dataset with more extents. [NOTE: what dataset?]

LNK218E	INVALID DATASET TYPE DSN= <i>dsnnname</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON used the OBTAIN macro for a format 3 DSCB, and found that the dataset was the wrong type. It must be DSORG=PO and RECFM=U.

System action

Processing continues without replacing the Link List table.

User response

Reallocate the dataset with the correct attributes.

LNK219E	I/O WORK AREA ALLOCATION FAILED
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON attempted to obtain temporary storage with a GETMAIN macro, and encountered an error.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LNK220E	ENQ FAILED; RC=<i>returncode</i>, DSN= <i>dsnnname</i>
----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON issued the ENQ macro (with RET=USE) to request shared access to the dataset DSN. It waited 2 and a half minutes for the resource to become available, and then gave up. The *returncode* is from the ENQ macro.

System action

Processing continues without replacing the Link List table.

User response

Determine why the dataset was not available and correct.

LNK221E	INTERNAL ERROR; INVALID RETURN CODE= <i>returncode</i> AT +<i>address</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON discovered an internal error at *address*.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LNK223E	DYNCONCT FAILED FOR INPUT DATASET; ERROR CODE= <i>errorcode</i>, INFO CODE=<i>infocode</i>
----------------	---

Explanation

While attempting to switch the Link List table, OMEGAMON discovered that the dynamic concatenation failed for the input datasets. The errorcode and infocode are from SVC 99.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LNK224E	PDSE NOT SUPPORTED; DSN= <i>dsnnname</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON discovered that one of the datasets was a PDSE. Extended PDS's are not supported for this function.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support

LNK225E	WRONG VOLSER <i>volser</i>; DSN= <i>dsnnname</i>
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON discovered that the VOLSER is different than what was expected.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LNK226E	INTERNAL ERROR: INVALID DLCLB ON OS/390 REL 2
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON could not locate a valid DLCLB.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LNK227E	LINKLIST REPLACE NOT SUPPORTED FOR OS/390 REL 3
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON discovered that the system is at level SP6.0.3. The Link List replace cannot be performed on this level of the operating system.

System action

Processing continues without replacing the Link List table.

User response

None.

LNK228E	SYMBOL TRANSLATION ERROR FOR INPUT RECORD NUMBER <i>recordnumber</i> . RETURN CODE = <i>returncode</i> .
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON called the IBM Service Routine, ASASYMBM to perform symbolic substitution of the records in the SYS1.PARMLIB member. A translation error occurred for the specified record. The *returncode* is from the ASASYMBM routine.

System action

Processing continues without replacing the Link List table.

User response

Try to determine why the error occurred by examining the record. Otherwise, contact IBM Support.

LNK229E	SYMBOL TRANSLATION WORK AREA ALLOCATION FAILED: RETURN CODE = <i>returncode</i> .
----------------	--

Explanation

While attempting to switch the Link List table, OMEGAMON attempted to GETMAIN a temporary work area, and the request failed. The *returncode* is from the GETMAIN macro.

System action

Processing continues without replacing the Link List table.

User response

Contact IBM support.

LSCXnnn (message text varies)

Explanation

SAS/C generates messages that have LSCX prefixes.

System action

None.

User response

Contact IBM Software Support.

OM Messages

**OM0904 OMSR24 OPEN FUNCTION
REQUEST PARAMETER ERROR**

Explanation

An attempt to open the specified LPAM dataset failed.

System action

The command terminates.

User response

Check the spelling and existence of the dataset. Make sure you are authorized to open the dataset.

**OM0905 INTERNAL ERROR DURING
INITIALIZATION**

Explanation

The security work area could not be found during OMEGAMON initialization.

System action

OMEGAMON does not start.

User response

Call IBM Software Support.

**OM0906 COMMAND LEVEL SECURITY
NOT INSTALLED. PLEASE
RUN JOB KOMSUPD IN
RHILEV.RKANSAM. FOR MORE
INFORMATION, PLEASE REFER
TO THE DOCUMENTATION ABOUT
ACTIVATING COMMAND LEVEL
SECURITY.**

Explanation

The procedure to install command level security has not been run.

System action

OMEGAMON does not start.

User response

Refer to the documentation about installing command level security.

**OM7104 WPF NOT ACTIVE; REQUEST
IGNORED**

Explanation

WPF STOP was issued, but WPF was not active.

System action

WPF STOP request is ignored.

User response

None.

**OM7120 INVALID KEYWORD SPECIFIED:
cccccccc**

Explanation

Invalid keyword cccccccc was specified on the WPF command.

System action

The WPF command is ignored.

User response

Correct the error and reissue the WPF command.

OM7121	WPF IS ACTIVE; START OPERAND INVALID
---------------	---

Explanation

WPF START was issued, but WPF was already active or initializing.

System action

WPF START request is ignored.

User response

None.

OM7122	DEFAULT RKM2PRDS NOT FOUND, SPECIFY THE RKM2PRDS KEYWORD
---------------	---

Explanation

The name of the EPILOG Profile datastore was not found in the user profile, and WPF START was issued without specifying the RKM2PRDS or DSN operand.

System action

WPF START request is ignored.

User response

Use the RKM2PRDS operand to specify the dataset name of the EPILOG Profile datastore on the WPF START command.

OM7123	RKM2PRDS NAME MISSING
---------------	------------------------------

Explanation

The RKM2PRDS or DSN operand was specified, but the name of the EPILOG profile datastore was omitted.

System action

The WPF command is ignored.

User response

Include the name of the dataset following the RKM2PRDS or DSN operand and reissue the WPF command.

OM7124	PROFILE COLLECTOR ATTACH FAILED WITH RC=<i>nn</i>
---------------	--

Explanation

The ATTACH for the WPF profile collector failed with return code *nn*.

System action

WPF initialization is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* as documented by the ATTACH System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7125	PROFILE COLLECTOR LOAD FAILED WITH RC=<i>nn</i>
---------------	--

Explanation

The LOAD for the WPF profile collector failed with return code *nn*.

System action

WPF initialization is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* as documented by the LOAD System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7126	XLONG OR XSHORT KEYWORD NO LONGER VALID; IGNORED
---------------	---

Explanation

The XLONG or XSHORT keyword was specified on the WPF command. These keywords are no longer valid for WPF.

System action

The specified keyword is ignored.

User response

None.

OM7130	INITIALIZATION GETMAIN FAILED WITH RC=<i>nn</i>
---------------	--

Explanation

The GETMAIN for WPF work areas failed with return code *nn*.

System action

WPF initialization is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* as documented by the GETMAIN System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7150 **WPF RKM2PRDS READ ERROR,
RPL code=*nn***

Explanation

An error occurred reading the EPILOG Profile datastore. The RPL error code is *nn*.

System action

WPF is terminated.

User response

Correct the VSAM read error associated with RPL code *nn*. Make sure you have used the EPILOG PROFILE command to create the profiles for selected workloads. Then restart WPF. If the error persists, call IBM Software Support.

OM7151 **WPF TIMER TASK ABENDED**

Explanation

The WPF timer subtask has terminated abnormally.

System action

WPF is terminated.

User response

Restart WPF. If the error persists, call support.

OM7152 **WPF PROFILE COLLECTOR
PROTOCOL ERROR**

Explanation

There is a WPF internal error in the profile collector.

System action

WPF is terminated.

User response

Restart WPF. If the error persists, call IBM Software Support.

OM7153

**WPF PROFILE COLLECTOR
GETMAIN FAILED WITH RC=*nn***

Explanation

The GETMAIN for WPF work areas in the profile collector failed with return code *nn*.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* as documented by the GETMAIN System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7154 **WPF TIMER TASK ATTACH FAILED
WITH RC=*nn***

Explanation

The ATTACH for the timer task in the profile collector failed with return code *nn*.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* as documented by the ATTACH System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7155 **WPF UNABLE TO VALIDATE
EPILOG INSTALLATION**

Explanation

EPILOG routines required for WPF are not available.

System action

The WPF profile collector is terminated.

User response

If EPILOG is installed on your system, make sure that the dataset name for the EPILOG load library has been correctly specified on the STEPLIB or JOBLIB statements of the OMEGAMON-invoking JCL. Either the dataset specified may be available only to a different CPU, the user may not have security access to it, or the dataset may not be cataloged. Correct the

situation and restart WPF. If EPILOG is not installed on your system, call IBM Software Support.

OM7156	WPF PROFILE COLLECTOR ESTAE FAILED WITH RC=<i>nn</i>
---------------	---

Explanation

The ESTAE in the profile collector failed with return code *nn*.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* as documented by the ESTAE System Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7157	WPF RKM2PRDS ALLOCATION FAILED, SVC 99 <i>xxxx</i> ERROR=<i>xxxx</i> INFO=<i>xxxx</i>
---------------	--

Explanation

The dynamic allocation request for the EPILOG Profile datastore failed with error code *xxxx* and information code *xxxx*.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with the ERROR and INFO codes as documented by the Dynamic Allocation(SVC 99) System Service, and restart WPF. If the error persists, call IBM Software Support.

OM7158	WPF RKM2PRDS GENCB FAILED WITH RC=<i>nn</i>
---------------	--

Explanation

GENCB failure in the profile collector. The GENCB return code is *nn*.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with return code *nn* of the VSAM GENCB Macro Service, and restart WPF. If the error persists, call support.

OM7159	WPF RKM2PRDS OPEN FAILED WITH ACB ERROR=<i>nn</i>
---------------	--

Explanation

The OPEN for the EPILOG Profile datastore failed with return code *nn*.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with ACB ERROR code *nn* of the VSAM OPEN Macro Service, and restart WPF. If the error persists, call IBM Software Support.

OM7160	WPF INVALID RKM2PRDS KEY LENGTH
---------------	--

Explanation

A key length error occurred attempting to read the Profile datastore.

System action

WPF is terminated.

User response

Restart WPF. If the error persists, call IBM Software Support.

OM7161	WPF VSAM LOGICAL ERROR, RPL CODE=<i>nn</i>
---------------	---

Explanation

A VSAM logical error occurred while attempting to read the EPILOG Profile datastore. The error code from the VSAM RPL is *nn*.

System action

WPF is terminated.

User response

Attempt to determine and correct the VSAM read error associated with RPL code *nn*, and restart WPF. If the error persists, call IBM Software Support.

**OM7162 WPF RKM2PRDS CLOSE FAILED
 WITH RC=*nn***

Explanation

The CLOSE for the EPILOG Profile datastore failed with return code *nn*.

System action

WPF is terminated, however, the Profile datastore may still be open.

User response

If the Profile datastore is still open, a VERIFY operation may be required to CLOSE it.

**OM7163 WPF REQUIRES EPILOG *Vnnn* OR
 LATER, *Vxxx* FOUND**

Explanation

WPF requires EPILOG Version *nnn*, or a later version for successful operation, but *Vxxx* was found.

System action

The WPF profile collector is terminated.

User response

Make sure that the EPILOG Version *nnn* load library, or a later version of EPILOG, is available to OMEGAMON and restart WPF.

**OM7164 WPF PROFILE COLLECTOR STCK
 FAILED WITH RC=*nn***

Explanation

A store clock operation failed in WPF profile collector.

System action

WPF is terminated.

User response

Attempt to determine and correct the error associated with condition code *nn* of the STCK instruction as documented in the IBM *Principles of Operation*, and restart WPF. If the error persists, call IBM Software Support.

**OM7165 WPF PROFILE COLLECTOR
 ABENDED**

Explanation

The WPF profile collector has abended.

System action

WPF is terminated. The abend code, PSW, and general registers at the time of the abend are printed following the message text.

User response

Restart WPF. If the problem persists, call support.

**OM7167 WPF USER IS NOT AUTHORIZED
 TO READ THE RKM2PRDS**

Explanation

The address space in which OMEGAMON is executing is not authorized to read the EPILOG Profile datastore.

System action

The WPF profile collector is terminated.

User response

Give the WPF user authorization to read the Profile datastore and restart WPF.

**OM7168 WPF RKM2PRDS PROCESSING
 ERROR**

Explanation

An undeterminable error occurred attempting to read the EPILOG Profile datastore.

System action

The WPF profile collector is terminated.

User response

Restart WPF. If the problem persists, call IBM Software Support.

**OM7180 WPF WORKLOAD PROFILE ENTRY
 NOT FOUND**

Explanation

A DWPF or JWPF was issued for a specific profile entry, but that profile entry could not be found.

System action

None.

User response

Specify the correct profile identifier via the JOB, STC, PGN, or PGP operands and reissue the command. If the DWPF or JWPF commands are specified without any operands, they will display a full list of all profile entries.

OM7181	WPF INVALID JOB OR STC NAME SPECIFIED
---------------	--

Explanation

An invalid jobname or started task name was specified with the JOB or STC operand of a DWPF or JWPF command. The jobname or started task name must not exceed eight characters in length, and it must contain those characters defined as acceptable by system JCL syntax.

System action

None.

User response

Specify the jobname or started task name and reissue the command.

OM7182	WPF INVALID PERFORMANCE GROUP OR PERIOD NUMBER SPECIFIED
---------------	---

Explanation

An invalid performance group or period was specified with the PGN or PGP operand of a DWPF command. The performance group must be numeric, between 1 and 999. The period must be numeric, between 1 and 9.

System action

None.

User response

Specify the correct performance group and/or period number and reissue the command.

OM7183	WPF PARAMETER ERROR; PGN REQUIRED WITH PGP
---------------	---

Explanation

The performance group number must be specified with the period number. The PGP operand was specified without the PGN operand on a DWPF request.

System action

None.

User response

Specify the correct performance group using the PGN operand, and reissue the command.

OM7184	WPF CONFLICTING PARAMETERS SPECIFIED
---------------	---

Explanation

Mutually exclusive operands have been specified on a DWPF command. PGN or PGP operands cannot be specified along with JOB or STC.

System action

None.

User response

Specify the correct operands and reissue the command.

OM7185	PGN OR PGP INVALID FOR JWPF
---------------	------------------------------------

Explanation

The PGN and/or PGP operands have been specified on a JWPF command. PGN or PGP operands are valid only for DWPF.

System action

None.

User response

Specify the correct operands and reissue the command.

OM7198	WPF INVALID PARMLIST PASSED TO PROFILE GET
---------------	---

Explanation

An error occurred attempting to obtain a profile entry on a DWPF or JWPF command.

System action

None.

User response

Make sure that the operands for the DWPF or JWPF command have been specified correctly and reissue the command if necessary. If this does not rectify the error, then STOP and restart WPF. If the error still persists then call IBM Software Support.

OM7199	WPF INVALID RETURN CODE FROM PROFILE GET, RC=xxxxxxxx
---------------	--

Explanation

An error occurred while attempting to obtain a profile entry on a DWPF or JWPF command. The return code from the profile get routine is xxxxxxxx.

System action

None.

User response

Make sure that the operands for the DWPF or JWPF command have been specified correctly and reissue the command if necessary. If this does not rectify the error, then STOP and restart WPF. If the error still persists then call IBM Software Support.

OM8100	VOLUME NOT FOUND
---------------	-------------------------

Explanation

The volume you specified was not found on this system.

System action

Command execution terminates.

User response

Specify a volume attached to this system.

OM8101	DATASET IS NOT CATALOGED
---------------	---------------------------------

Explanation

The dataset you specified was not found in the system catalog.

System action

Command execution terminates.

User response

Catalog the dataset or specify a dataset that is cataloged.

OM8102	DATASET IS NOT ON VOLUME
---------------	---------------------------------

Explanation

The dataset that you requested was not found on the volume specified.

System action

Command execution terminates.

User response

Specify the volume that the dataset resides on.

OM8103	VOLUME NOT ON SYSTEM (FROM SVOL COMMAND)
---------------	---

Explanation

The volume you specified was not found on this system.

System action

Command execution terminates.

User response

Specify a volume attached to this system.

OM8104	VOLUME IS NOT MOUNTED (FROM SVOL COMMAND)
---------------	--

Explanation

The volume you specified was not mounted on this system.

System action

Command execution terminates.

User response

Specify a volume attached to this system.

OM8112	DEVICE INVALID OR OFFLINE
---------------	----------------------------------

Explanation

The specified device either was not found in the UCB lookup table, or was found to be marked offline.

System action

Command execution terminates.

User response

Specify a valid volume or vary volume online.

OM8113	WARNING; cccc FAILED VALIDITY CHECK
---------------	--

Explanation

The specified control block (ASCB, TCB, DSAB, JFCB, or JFCX) failed validation in the SRB routine for FNDU.

System action

FNDU does not collect dataset information for the address space which has failed validation.

User response

This is an informational message only.

OM8115	WARNING INVALID RETURN CODE - cc = xx (FROM PEEK, FNDU COMMANDS)
---------------	---

Explanation

The SRB to collect data failed to complete its task and returned an invalid return code to the user.

System action

Command execution terminates.

User response

Call IBM Software Support to report a possible problem.

OM8116	WARNING SQA WORKAREA AT ADDR=xxxx SIZE=yyyyDANGER INSUFFICIENT SQA - COMMAND ABORTED WARNING (from PEEK, FNDU commands)
---------------	--

Explanation

The SRB to collect data failed to complete its task due to a SQA shortage.

System action

None.

User response

Call IBM Software Support to report a possible problem.

OM8120	CHANNEL SET NOT VALID
---------------	------------------------------

Explanation

An attempt was made to find the channel set in the CST but it was not found.

System action

None.

User response

Specify a valid channel set.

OM8121	CHANNEL SET NOT DEFINED (FROM DEV COMMAND)
---------------	---

Explanation

The channel set you entered is not defined to the system.

System action

None.

User response

Specify a channel set defined to this system.

OM8122	PARTE NOT IN USE
---------------	-------------------------

Explanation

You attempted to display a PARTE that is not currently in use.

System action

Command execution terminates.

User response

Specify a PARTE that is in use.

OM8123	RMF NOT ACTIVE
---------------	-----------------------

Explanation

The command requires the Resource Management Facility (RMF) or a specific RMF report to be active.

System action

Command execution terminates.

User response

Modify RMF to add the required report for collection or start RMF.

OM8124 CPU NOT DEFINED

Explanation

You attempted to list channel sets from a CPU that is not currently available.

System action

Command execution terminates.

User response

Select a CPU that is currently available.

OM8125 COMMAND NOT AVAILABLE IN GOAL MODE

Explanation

You attempted to execute a command that is not valid in goal mode.

System action

Command execution terminates.

User response

Try a different command, or switch to compatibility mode.

OM8126 IWMRCOLL FAILED, CODE=nn

Explanation

Indicates a failure in an MVS service which provides information for some of the commands.

System action

Command execution terminates.

User response

Contact IBM Software Support.

OM8127 CONTROL BLOCK DOES NOT EXIST IN SP5 OR HIGHER SYSTEMS

Explanation

The control block being accessed does not exist in MVS/SP™ 5.1 or later.

System action

Command execution terminates.

User response

Try running a different version of MVS.

OM8128 DMDT DOES NOT EXIST IN SP5 OR HIGHER SYSTEMS IN WLM GOAL MODE

Explanation

The DMDT, the Domain Descriptor Table, does not exist in MVS/SP 5.1 or later levels of MVS running in Workload Manager goal mode. The domain construct has no meaning in goal mode.

System action

Command execution terminates.

User response

Try using an MVS/SP 5.1 or later goal mode compatible command.

OM8130 WARNING NO GRS VECTOR TABLE

Explanation

In processing the GRS command the address of the GRS Vector Table was not found.

System action

Command execution terminates.

User response

Activate GRS before you issue the GRS command.

OM8140 TSO NOT AVAILABLE IN xxxx MODE

Explanation

The TSO command is not available in this mode, where xxxx indicates the mode.

System action

Command execution terminates.

User response

Issue TSO command in TS or LS modes only.

OM8141 **STAX FAILED; RC=*nn***

Explanation

A STAX SVC was unsuccessful. *nn* is the STAX SVC return code.

System action

Command execution terminates.

User response

Reissue the command. If the problem persists, call IBM Software Support.

OM8142 **IKJSCAN FAILED; RC=*nn***

Explanation

A non-zero return code was issued by the IKJSCAN routine, where *nn* is a two digit number.

System action

Command execution terminates.

User response

Reissue the command. If the problem persists, call IBM Software Support.

OM8143 **ATTACH FAILED; RC=*nn***

Explanation

A non-zero return code was issued by the ATTACH SVC, where *nn* is a two digit number.

System action

Command execution terminates.

User response

Reissue command. If the problem persists, call support.

OM8144 **COMMAND *cccccccc* ENDED - NON-ZERO RETURN CODE is *nn***

Explanation

The command *cccccccc* ended with a four digit (*nnnn*) non-zero return code.

System action

Command execution terminates.

User response

Use the return code to diagnose the error. Correct and re-execute the TSO command.

OM8145 **TEST COMMAND NOT SUPPORTED UNDER OMEGAMON**

Explanation

The OMEGAMON TSO command does not support the TEST command.

System action

Command execution terminates.

User response

Issue a command other than TEST.

OM8146 **NO INFORMATION AVAILABLE**

Explanation

No second level message chain exists for ? command.

System action

Command execution terminates.

User response

Issue a command other than ?.

OM8147 **INVALID COMMAND NAME SYNTAX**

Explanation

Invalid command syntax in TSO command.

System action

Command execution terminates.

User response

Correct and reissue command.

OM8148 **COMMAND *cccccccc* NOT FOUND**

Explanation

OMEGAMON cannot find command *cccccccc*.

System action

Command execution terminates.

User response

Correct and reissue the command.

OM8149 **COMMAND cccccccc ENDED DUE TO ATTENTION**

Explanation

Command cccccccc ended due to depression of the ATTN/PA1 key.

System action

Command execution terminates.

User response

None.

OM8150 **COMMAND cccccccc ENDED DUE TO ERROR - COMPLETION CODE IS Snnnn|Unnnn**

Explanation

Command cccccccc ended abnormally with the System/User abend code displayed.

System action

Command execution terminates.

User response

Use the completion code to diagnose the error. Correct and re-execute the command.

OM8201 **NO SUCH ADDRESS SPACE THRESHOLD GROUP DEFINED**

Explanation

You entered a command to list an address space threshold group that was not defined.

System action

Command execution terminates.

User response

Enter an address space threshold group that is coded in your profile or use the ASG command to add this address space threshold group to your profile.

OM8203 **NO CHANNEL AVAILABILITY TABLE**

Explanation

No Channel Availability Table was found for the channel identifier entered.

System action

None.

User response

Correct and reissue command with a valid channel identifier.

OM8204 **WARNING—RUNNING xxx OMEGAMON ON yyy SYSTEM TYPE OK (AND HIT ENTER TO CONTINUE OR C TO CANCEL)**

Explanation

OMEGAMON is built for xxx operating system and is running on yyy operating system. This causes functions and commands to fail.

System action

Startup continues if you enter OK.

User response

Install the yyy level of OMEGAMON and then restart OMEGAMON.

OM8210 **DATASET NAME LENGTH GREATER THAN 44 (FROM LOC COMMAND)**

Explanation

The dataset name that you entered was greater than 44 characters in length.

System action

Command execution terminates.

User response

Enter a valid dataset name.

OM8211 **GQSCAN FAILURE, R/C = nn**

Explanation

GQSCAN returned an invalid return code nn.

System action

Command execution terminates.

User response

Look for a description of the return code in the Supervisor SPL. If problem persists call IBM Software Support.

OM8212	MAJOR ENQUEUE NAME LENGTH ERROR (MAX = 8)
---------------	--

Explanation

The major enqueue name that you entered was greater than eight characters in length.

System action

Command execution terminates.

User response

Enter a valid enqueue name.

OM8213	MINOR ENQUEUE NAME LENGTH ERROR (MAX = 44)
---------------	---

Explanation

The minor enqueue name that you entered was greater than 44 characters in length.

System action

Command execution terminates.

User response

Enter a valid minor enqueue name.

OM8214	INVALID GENERIC MINOR ENQUEUE NAME REQUEST
---------------	---

Explanation

You placed an * in a position other than the end of the enqueue name.

System action

Command execution terminates.

User response

Delete all characters that follow the asterisk and retry the command.

OM8215	INVALID HEX CHARACTER STRING
---------------	---

Explanation

You entered hex data that contained characters that are not hex.

System action

Command execution terminates.

User response

Correct the enqueue name and re-enter.

OM8216	SYNTAX ERROR
---------------	---------------------

Explanation

An invalid hex entry was specified for the enqueue name.

System action

Command execution terminates.

User response

Correct the enqueue name and re-enter.

OM8217	ERROR GQSCAN ABEND S09A
---------------	--------------------------------

Explanation

GQSCAN encountered an unrecoverable error.

System action

Command execution terminates.

User response

Try function again. If problem persists call IBM Software Support.

OM8218	ERROR GQSCAN RETURN CODE - <i>nn</i>
---------------	---

Explanation

GQSCAN returned an invalid return code *nn*.

System action

None.

User response

Look for a description of the return code in the Supervisor SPL. If problem persists call IBM Software Support.

OM8230 **GREATER THAN MAX PERF GROUP**

Explanation

You requested a performance group that was greater than the highest performance group specified in the system.

System action

Command execution terminates.

User response

Enter a performance group that is valid for your system.

OM8231 **F IS INVALID WITH THIS COMMAND**

Explanation

No fixed frames exist for the region being displayed.

System action

Command execution terminates.

User response

Correct and reissue the command without the F argument.

OM8240 **STAT WORKAREA NOT AVAILABLE**

Explanation

An internal work table was invalidated.

System action

Command execution terminates.

User response

Ensure that RMF is still active in the system. If the problem persists call IBM Software Support.

OM8241 **RMF ROUTINE NOT ACTIVE (RC = nn)**

Explanation

You entered a command which requires data from RMF and RMF is not running on this system.

System action

None.

User response

Start RMF and re-enter the command after RMF initializes.

OM8242 **RMF NOT ACTIVE (RC = nn)**

Explanation

You entered a command which requires data from RMF and RMF is not running on this system.

System action

Command execution terminates.

User response

Start RMF and re-enter the command after RMF has initialized.

OM8243 **DEVICES NOT BEING MONITORED BY RMF**

Explanation

The command requires RMF Device reporting of tape or DASD to be active and it is not.

System action

None.

User response

Modify RMF to add the required report option for collection.

OM8244 **RMF NOT COLLECTING DATA FOR THIS DEVICE CLASS**

Explanation

No RMF data is being collected for the device class selected.

System action

Command execution terminates.

User response

Correct and reissue the command specifying a different device class.

OM8245 **INTERNAL ERROR (RC=nn)**

Explanation

An OMEGAMON logic error was detected.

System action

Command execution terminates.

User response

Call IBM Software Support.

OM8246 **CHANNEL PATH WORK AREA NOT AVAILABLE**

Explanation

A channel path work area was not available.

System action

Command execution terminates.

User response

Reissue the command. If the problem persists, call IBM Software Support.

OM8247 **RMF DEVICE STATISTICS NOT AVAILABLE (RC=nn)**

Explanation

No RMF statistics are available for the device you selected.

System action

Command execution terminates.

User response

Correct and reissue the command specifying a different device.

OM8248 **DATA NOT AVAILABLE FOR DEVICE (RC=nn)**

Explanation

No data is available for the logical control unit you selected.

System action

Command execution terminates.

User response

Correct and reissue the command specifying a different LCU.

OM8260 **MEMORY AT xxxxxx IS FETCH (STORE)-PROTECTED (FROM MZAP, MLST COMMANDS)**

Explanation

The memory at xxxxxx cannot be fetched or stored into because it is fetch protected.

System action

No zap applied.

User response

Add the authorized character to override the protection.

OM8270 **MODULE WAS NOT FOUND IN TSO AUTHORIZATION LIST**

Explanation

The OMEGAMON program name was not found in the list of APF programs available to the TSO user.

System action

Command execution continues.

User response

Add OMEGAMON to the TSO authorization list and reassemble.

OM8271 **MODULE DID NOT COME FROM AN APF LIBRARY**

Explanation

Module was loaded from a library that is not APF authorized or that lost APF authorization.

System action

Command execution continues.

User response

Ensure that STEPLIB references are APF authorized in all libraries.

OM8272	MODULE WAS NOT FOUND MARKED AC=1
---------------	---

Explanation

Module was not link edited with AC=1 in the link edit PARM.

System action

Command execution continues.

User response

Relink module.

OM8273	MODULE WAS FOUND IN THE TCB/RB CHAIN
---------------	---

Explanation

An unexpected module was found in the TCB/RB chain. This may be why OMEGAMON is not authorized.

System action

Command execution continues.

User response

See this product's configuration guide for ways to install OMEGAMON authorized.

OM8274	ENTRY NOT FOUND IN THE APF LIST
---------------	--

Explanation

You requested to delete a dataset from the APF list. The dataset was not in the APF list.

System action

Command execution terminates.

User response

Retry the command with a dataset that is in the APF LIST.

OM8275	ENTRY ALREADY EXISTS IN THE APF LIST
---------------	---

Explanation

You attempted to add a dataset to the APF list. The dataset was already in the APF list.

System action

Command execution terminates.

User response

Retry the command with a dataset that is not in the APF list.

OM8276	GETMAIN FAILED FOR NEW APF LIST
---------------	--

Explanation

There was not enough SQA storage available to get an area for the new APF list.

System action

Command execution terminates.

User response

Call IBM Software Support if command repeatedly fails.

OM8277	SYNTAX ERROR NEAR COLUMN FLAGGED ABOVE
---------------	---

Explanation

A syntax error was found in validating information about a library.

System action

Command execution terminates.

User response

Ensure proper specification of DSN and volser, then retry command.

OM8278	DATASET NAME OR VOLUME SERIAL NOT SUPPLIED
---------------	---

Explanation

You did not enter the dataset name and volume serial number required for the command.

System action

Command execution terminates.

User response

Ensure that you specify all required fields (DSN, VOL).

**OM8279 NEW VOLUME SERIAL NOT
 SUPPLIED**

Explanation

You attempted to catalog a volume serial number of a dataset in the APF list. You did not supply a new volume serial number.

System action

Command execution terminates.

User response

Specify the NVOL operand with the new volume serial number.

OM8280 CONSOLE NOT FOUND

Explanation

The console specified could not be found in the system.

System action

None.

User response

Specify a valid console number.

**OM8281 CSVAPF FAILED FOR DYNAMIC
 APF LIST, RC=nn REAS=mmmm**

Explanation

The CSVAPF service returned a non-zero return code.

System action

The system terminates command execution.

User response

Refer to the IBM *Application Development Reference* manual for CSVAPF return codes and reason codes.

**OM8283 SVC TABLE UPDATE ERROR - RC =
 nnnn**

Explanation

An error occurred updating the SVC table. The return code nnnn is from the SVCUPDTE macro.

System action

LPAM adds the module, but the SVC table is not updated.

User response

Call support.

**OM8284 INVALID LPAM MODIFY REQUEST
 - PROGRAM IS A TYPE 1, 2, OR 6
 SVC**

Explanation

You cannot use LPAM to process SVC type 1, 2, and 6 modules.

System action

Command execution terminates.

User response

See message OM8307.

**OM8285 MODULE FOUND IN FIXED LPA,
 NOT DELETED**

Explanation

You cannot delete a module that exists in the FLPA.

System action

Command execution terminates.

User response

Specify a module name that is not in the FLPA.

**OM8286 MODULE NOT CURRENTLY IN
 MODIFIED LPA**

Explanation

You attempted to delete a module that was not found in the MLPA.

System action

Command execution terminates.

User response

Specify a module that is in the MLPA.

OM8287 MODULE NOT FOUND IN THE LPA

Explanation

You attempted to list a module that is not in the LPA.

System action

Command execution terminates.

User response

Specify the name of a module that is currently in LPA.

**OM8288 LPAM FAILED - MODULE ALREADY
ON ACTIVE LPA QUEUE**

Explanation

The LPAMM command is already on the active LPA queue. LPAMM cannot modify a module previously placed in this state.

System action

Command execution terminates.

User response

To modify the module again, first delete the entry using LPAMD and add the new module using LPAMM.

OM8289 MODULE NOT FOUND IN cccccccc

Explanation

A search of the directory of dataset cccccccc was made but the module was not found.

System action

Command execution terminates.

User response

Ensure that the specified module exists in the dataset specified.

**OM8290 PROGRAM NAME NOT SUPPLIED -
ENTER (PGM=)**

Explanation

The LPAM command was issued without the required operand. You did not specify the required PGM keyword on the LPAMM or LPAMD command.

System action

Command execution terminates.

User response

Respecify the command with the program name that you wish to list.

**OM8291 LOAD LIBRARY NAME NOT
SUPPLIED - ENTER (DSN=)**

Explanation

LPAMA and LPAMM require a library name to get the module from.

System action

Command execution terminates.

User response

Specify the dataset name for the library that contains the module.

**OM8292 LOAD LIBRARY ALLOCATION
FAILURE - RC=nn ERROR=cc
INFO=cc**

Explanation

An attempt to allocate the specified library failed. RC=nn, ERROR=cc, and INFO=cc are the dynamic allocation return, error, and information reason codes.

System action

LPAM command execution terminates.

User response

Make sure that the dataset name specified on the DSN parameter is correct and that the specified dataset is accessible to the system on which the OMEGAMON session is executing.

**OM8293 GLOBAL LOAD FAILED - ABEND
CODE = xxx**

Explanation

An attempt to load the LPAMLIB failed. xxx is the load return code.

System action

Command execution terminates.

User response

Refer to the IBM *Supervisor Services SPL* manual for load return codes.

OM8297 JOBNAME ccccccc NOT FOUND

Explanation

You attempted to cancel job ccccccc, which was not running on the system.

System action

Command execution terminates.

User response

Specify a currently active job.

**OM8298 ASID nnn REPRESENTS JOB
cccccccc**

Explanation

You attempted to cancel job ccccccc where the ASID *nnn* did not match the jobname specified.

System action

Command execution terminates.

User response

Verify that the jobname/ASID combination is correct.

OM8299 CALLRTM FAILED - RC = nn

Explanation

The RTM service returned a non-zero return code.

System action

Command execution terminates.

User response

Refer to the IBM *Supervisor Services SPL* manual for CALLRTM return codes.

OM8300 NO ASCBCHAP ROUTINE

Explanation

The address of the CHAP routine was not found in the CVT. In post SE1 systems this is a trivial problem since CHAP does not affect most address spaces. MVS has lost its ability to address IEVEACO.

System action

Command execution terminates.

User response

If problem persists call IBM Software Support.

OM8305 aaa/ccc - STORAGE UNAVAILABLE

Explanation

The variable aaa/ccc can be one of the following:

CSA/MOD

CSA storage unavailable for module.

SQA/CDE

SQA storage unavailable to build CDEs.

SQA/SMF

SQA storage unavailable for SMF tables.

PVT/MOD

Private area storage unavailable for module.

PVT/DEL

Private area storage unavailable for DELETE list.
(Needed for internal processing of a DELETE request.)

System action

LPAM command terminates.

User response

If CSA or SQA was unavailable, retry the request at a time when more area is available. If the private area was unavailable, retry with OMEGAMON running in a larger region.

**OM8306 PRIMARY LOAD MODULE NOT
FOUND**

Explanation

You specified an alias name in the PGM= parameter and the primary load module was not found in the load library.

System action

Command execution terminates.

User response

Determine the cause of the problem. A possible solution would be to re-linkedit or re-copy the load module and all of its aliases and retry the command.

**OM8307 ccccccc REPLACES A TYPE 1, 2, or
6 SVC**

Explanation

You attempted to issue LPAM to replace a module that is a type 1, 2, or 6 SVC. LPAM does not support replacement of type 1, 2, or 6 SVCs.

System action

Command execution terminates.

User response

Refer to the IBM *SPL: System Generation Reference* for instructions to replace the SVC.

OM8308	REQUEST TERMINATED DUE TO PREVIOUS ERRORS
---------------	--

Explanation

Errors occurred during LPAM processing.

System action

Command execution terminates.

User response

See the error preceding the messages to determine whether you can resolve the problems and then retry the command.

OM8309	cccccccc INVALID FOR EXTENDED SVC ROUTER TABLE
---------------	---

Explanation

An SVC router (IGX00ccc) module is being processed and the SVC router code (nnn) is higher than the system allows.

System action

Command execution terminates.

User response

See message OM8307.

OM8310	SVC VALUE CONFLICTS WITH PGM=cccccccc
---------------	--

Explanation

The value of the SVC parameter does not match the SVC number indicated by the PGM name.

System action

Command execution terminates.

User response

Verify that the PGM name is correct. If so, the SVC parameter value must equal the SVC indicated by the PGM name. Note that you do not need the SVC parameter in this situation.

OM8313	cccccccc IS IN OVERLAY STRUCTURE
---------------	---

Explanation

You attempted to process load module cccccccc, which is link-edited in an overlay structure. LPAM does not support modules that are link-edited in an overlay structure.

System action

Command execution terminates.

User response

Refer to the IBM *SPL: System Generation Reference* for instructions to replace the module.

OM8314	SYNTAX ERROR NEAR COLUMN FLAGGED ABOVE
---------------	---

Explanation

A syntax error was found, and the command could not be interpreted. The * indicates where the error was.

System action

Command execution terminates.

User response

Correct the command and re-enter.

OM8315	SMF EXIT TABLE ID NOT FOUND: cccc
---------------	--

Explanation

The SMF subsystem ID specified by the SMFSYS= parameter was not found in the system.

System action

Command execution terminates.

User response

Specify the correct SMF system ID.

OM8323	NOT IN AUTOMATIC MODE - RETURN IGNORED
---------------	---

Explanation

OMEGAMON received a .RTN command.

System action

OMEGAMON ignores the command.

User response

None.

OM8324	WARNING: NEW SVC MODULE cccccccc BEING ADDED
---------------	---

Explanation

The SVC to be added by LPAMM has no LPDE and its current SVC table entry point is IGCERROR. A subsequent LPAMD deletion of the SVC returns it to its original state.

System action

Command continues normally.

User response

Note that if you issue the SVC after deleting it with LPAMD, the system abends the issuing task.

OM8324(IMS)	NO TARGET SCREEN SPACE
--------------------	-------------------------------

Explanation

OMEGAMON found a syntax error in the .RTN command.

System action

OMEGAMON ignores the command.

User response

Correct the .RTN command, save the screen space, and reinvoke the screen space.

OM8325	NEW SVC cccccccc HAS UNEXPECTED SVC TABLE ENTRY POINT
---------------	--

Explanation

The SVC to be added by LPAMM has no LPDE, but the SVC table entry point is not IGCERROR as expected. A subsequent LPAMD deletion of the SVC does not restore it to its original state.

System action

Command execution terminates.

User response

If you still want to add the SVC, use the FORCE operand of the LPAMM command. Note that if you issue the SVC after deleting it with LPAMD, the system abends the issuing task.

OM8326	cccccccc INVALID FOR LPAM
---------------	----------------------------------

Explanation

You cannot use the LPAM command to load module cccccccc.

System action

Command execution terminates.

User response

None.

OM8327	INVALID ARGUMENT. USE M, D, OR BLANK.
---------------	--

Explanation

The LPAM command allows only the following arguments:

- M**
Modify
- D**
Delete
- (blank)**
List

System action

Command execution terminates.

User response

Use the appropriate argument for LPAM.

OM8328	LPDE AND SVC TABLE ENTRY POINT MISMATCH
---------------	--

Explanation

The entry point in the LPDE entry for this module does not match that in the SVC table.

System action

Command execution terminates.

User response

This operation is very likely to compromise system integrity. Retry the operation specifying the FORCE operand of the LPAMM command only if you are absolutely sure of the result of this operation. Also note that LPAMD is not able to restore the original status of the system.

OM8329 APF LIST IS FULL, CANNOT ADD

Explanation

The APF list has the maximum number of entries (that is, 255). You can't add any more.

System action

Command execution terminates.

User response

To add another entry, first delete one of the current entries.

OM8330 UNABLE TO OPEN LIBRARY

Explanation

The OPEN failed for the dataset specified in the DSN parameter for the LPAM command.

System action

Command execution terminates.

User response

Make sure that the correct dataset name has been specified and that the OMEGAMON session has read access authority to the dataset.

OM8331 cccccccc IS NOT EXECUTABLE

Explanation

The directory entry for the module specified with the LPAMM command was marked non-executable.

System action

The LPAM command execution terminates.

User response

Do not attempt to add modules which are marked non-executable.

**OM8332 ALIAS AND MAJOR MODULE TTR
MISMATCH - cccccccc**

Explanation

The module has an alias whose TTR does not match the TTR for the main module.

System action

LPAM processing for that alias is ignored. The new module added via LPAMM cannot be referenced using the ignored alias.

User response

If the alias should have been assigned to the load module, follow these steps:

1. Reassign the alias in the dataset specified by the DSN operand of the LPAM command to correct the TTR.
2. Use the D option of the LPAM command to delete the module just loaded with LPAMM.
3. Reload the module with the corrected alias using LPAMM.

**OM8333 MODULE HAS MORE THAN 16
ALIASES - CANNOT LPAM**

Explanation

LPAMM allows only 16 aliases for a module.

System action

LPAM command execution terminates.

User response

If none of the aliases are needed, use LPAMM with the NOALIAS parameter to add the module.

**OM8335 MORE THAN 49 ALIASES; ONLY
FIRST 49 DELETED**

Explanation

LPAMD can only delete up to 49 aliases of a module.

System action

The module and its first 49 aliases are deleted. Additional aliases remain on the active LPA queue.

Programs attempting to access the deleted module with any of the remaining aliases may abend.

User response

Schedule an IPL to remove the remaining aliases from the active LPA queue.

OM8336	TOO MANY SMFSYS NAMES SPECIFIED
---------------	--

Explanation

The SMFSYS parameter of LPAM allows only 7 SMF subsystem names to be specified.

System action

The LPAM command terminates.

User response

If you want the exit to be added for all SMF subsystems, omit the SMFSYS parameter.

OM8339	MODULE LOGICALLY DELETED; CSA NOT FREED
---------------	--

Explanation

The specified SMF exit has been logically removed from the subsystems specified on the SMFSYS parameter. However, the exit is still in use by other SMF subsystems. The module storage in CSA is not freed.

System action

The LPAMD is successful for the specified subsystems.

User response

None. This is an informational message only.

OM8342	LOAD LIBRARY UNALLOCATION FAILURE - RC=<i>nn</i> ERROR=<i>cc</i> INFO=<i>cc</i>
---------------	--

Explanation

An attempt to unallocate the specified library has failed. RC=*nn*, ERROR=*cc*, and INFO=*cc* are the dynamic allocation return, error, and information reason codes.

System action

LPAM command execution terminates.

User response

If the dataset is still allocated by the OMEGAMON session, and it is preventing other users from accessing the dataset, you may need to stop and restart the OMEGAMON session to free the allocation.

OM8343	cccccccc CURRENTLY IN USE
---------------	----------------------------------

Explanation

LPAMD was requested for a module that is currently being used.

System action

The LPAM request is terminated.

User response

Reissue the LPAMD command when the module is no longer in use.

OM8348	MDF PROCESSING DISABLED. USE POPT COMMAND TO RESET.
---------------	--

Explanation

This command has been disabled because MDF=OFF was specified in the POPT command.

System action

The command is terminated.

User response

If you have an Amdahl MDF system, specify MDF=ON.

OM8349	DOMAIN AUTHORIZED TO OBTAIN DATA ONLY FOR DOMAIN <i>n</i>
---------------	--

Explanation

The current Amdahl™ domain is only authorized to collect data for itself. The current domain number is given in the message.

System action

The command continues to display data only for current domain.

User response

To avoid this message either specify the current domain number as an argument to the command, or authorize the domain to collect data for all domains (set authorization level “2” via hardware frame).

OM8350 **COMMAND ONLY VALID FOR
AMDAHL MDF SYSTEM**

Explanation

This command pertains specifically to an Amdahl MDF system and will not function on another system.

System action

The command is terminated.

User response

None.

OM8351 **DOMAIN NOT AUTHORIZED FOR
DATA COLLECTION; RC=*nn***

Explanation

The current Amdahl domain is not authorized (via the hardware CA frame) to collect data requested about MDF.

System action

The command discontinues attempts to collect the data.

User response

The authorization level on the Amdahl CA frame should be 2 to collect data for all domains or 1 to collect data for only the current domain. For full OMEGAMON functionality with respect to MDF support, the authorization level should allow all domain data collection (2).

OM8352 **MDF IIC MRSD INTERFACE ERROR
OCCURRED; RC=*nn***

Explanation

A problem occurred while using the Amdahl MDF IIC interface.

System action

The command discontinues attempts to collect MDF data.

User response

Record the message number and return code (RC) and call IBM Software Support.

OM8353 **MDF IIC MDFWATCH INTERFACE
ERROR OCCURRED; RC=*nn***

Explanation

A problem occurred while using the Amdahl MDF IIC interface.

System action

The command discontinues attempts to collect MDF data.

User response

Record the message number and return code (RC) and call IBM Software Support.

OM8354 **MDF RMI MRSD INTERFACE
ERROR OCCURRED; RC=*nn***

Explanation

A problem occurred while using the Amdahl MDF RMI interface.

System action

The command discontinues attempts to collect MDF data.

User response

Record the message number and return code (RC) and call IBM Software Support.

OM8355 **MDF RMI MDFWATCH INTERFACE
ERROR OCCURRED; RC=*nn***

Explanation

A problem occurred while using the Amdahl MDF RMI interface.

System action

The command discontinues attempts to collect MDF data.

User response

Record the message number and return code (RC) and call support.

OM8356 **MDF INTERFACE/OMEGAMON
INTERNAL ERROR; RC=*nn***

Explanation

An internal error occurred while using the Amdahl MDF interface.

System action

The command discontinues attempts to collect MDF data.

User response

Record the message number and return code (RC) and call IBM Software Support.

OM8357	MDF INTERFACE NOT SUPPORTED IN THIS ENVIRONMENT
---------------	--

Explanation

The Amdahl MDF interface is not supported in the current system environment, for example in PMA or guest mode environments.

System action

The command is terminated.

User response

None.

OM8358	COMMAND REQUIRES APF AUTHORIZATION
---------------	---

Explanation

OMEGAMON must be authorized for this command to operate.

System action

The command is terminated.

User response

Authorize OMEGAMON.

OM8359	UNABLE TO ALLOCATE 4K WORKAREA; RC=nn
---------------	--

Explanation

OMEGAMON failed while trying to allocate a 4k page-fixed workarea. Possible meanings of the return code are as follows:

24 GETMAIN failed.

28 Page fix failed.

System action

The command is terminated.

User response

Increase the region size and try again. If the problem persists, call IBM Software Support.

OM8360	COMMAND ONLY VALID FOR PR/SM LPAR MODE OPERATIONS
---------------	--

Explanation

This command is valid only when operating under logical partitioning mode (PR/SM™).

System action

The command is terminated.

User response

None.

OM8361	PR/SM LPAR INTERFACE FAILURE
---------------	-------------------------------------

Explanation

The interface needed to gather the logical partitioning data has failed, and OMEGAMON is unable to provide the logical partitioning data.

System action

The command is terminated.

User response

Restart OMEGAMON. If the problem persists, call IBM Software Support.

OM8362	INVALID DATA FROM THE PR/SM LPAR INTERFACE
---------------	---

Explanation

Invalid data was returned from the interface so the LPAR command could not provide valid logical partitioning data.

System action

The command is terminated.

User response

Try the LPAR command again. If the problem persists, call support.

OM8363	LPAR COMMAND INTERNAL ERROR
---------------	--

Explanation

An internal error has occurred in the LPAR command.

System action

The command is terminated.

User response

Call IBM Software Support.

OM8370 **INVALID PARAMETER FOR CHNM**

Explanation

An unrecognized parameter was entered for CHNM.

System action

The command is terminated.

User response

Check the command syntax and respecify with the correct parameter.

OM8371 **CHANNEL PATH ID NOT
SPECIFIED FOR ADD OR DELETE
FUNCTION**

Explanation

The ADD or DELETE keyword was specified without a channel path ID.

System action

The command is terminated.

User response

Specify the channel paths to be added or deleted.

OM8372 **CHANNEL PATH ID MUST BE
BETWEEN 00 THRU ff**

Explanation

The channel path ID specified was outside of the valid range.

System action

The command is terminated.

User response

Specify the channel path (00 through ff).

OM8373 **CHANNEL SET ID MUST BE
SPECIFIED**

Explanation

The channel set ID was not specified in MVS/370 mode.

System action

The command is terminated.

User response

Specify the channel set ID required for MVS/370 mode.

OM8376 **INVALID PARAMETER FOR CPUM**

Explanation

An unrecognized parameter was entered for CPUM.

System action

The command is terminated.

User response

Check the command syntax and respecify the command with the correct parameter.

OM8377 **CPU ID NOT SPECIFIED FOR ADD
OR DELETE FUNCTION**

Explanation

The ADD or DELETE keyword was specified without a CPU ID.

System action

The command is terminated.

User response

Specify the CPU IDs to be added or deleted.

OM8378 **CPU ID MUST BE BETWEEN 0
THRU 15**

Explanation

The CPU ID specified was outside of valid range.

System action

The command is terminated.

User response

Specify the CPU ID between 0 through 15 (decimal).

OM8380	NOT ADDED. USE * ONLY IN LAST POSITION OF GROUP NAME.
---------------	--

Explanation

The input group mask *gggggggg* is not acceptable since the mask character * occurred before the last character.

System action

The command terminates.

User response

Correct the input group name mask.

OM8381	NOT ADDED. <i>gggggggg</i> DUPLICATES USERS IN GROUP <i>hhhhhhh</i>
---------------	--

Explanation

The input group mask *gggggggg* cannot coexist with the group mask *hhhhhhh*; *hhhhhhh* specifies a subset of *gggggggg*.

System action

The command terminates.

User response

Correct the input group mask *gggggggg* or delete *hhhhhhh*.

OM8382	NOT ADDED. <i>gggggggg</i> IS CURRENTLY MONITORED IN GROUP <i>hhhhhhh</i>
---------------	--

Explanation

The input group mask *gggggggg* cannot coexist with the group mask *hhhhhhh*; *gggggggg* specifies a subset of *hhhhhhh*.

System action

The command terminates.

User response

Correct the input group mask *gggggggg* or delete *hhhhhhh*.

OM8383	NOT ADDED. <i>gggggggg</i> IS ALREADY BEING MONITORED.
---------------	---

Explanation

The input group mask *gggggggg* already exists.

System action

The command terminates.

User response

Respecify a non-existing input group mask.

OM8384	ADDED. <i>gggggggg</i> IS NOW BEING MONITORED.
---------------	---

Explanation

The group mask *gggggggg* was successfully added for monitoring.

System action

None.

User response

None.

OM8385	DELETED. <i>gggggggg</i> IS NO LONGER BEING MONITORED.
---------------	---

Explanation

The group mask *gggggggg* was successfully deleted from monitoring.

System action

None.

User response

None.

OM8386	NOT FOUND. <i>gggggggg</i> IS NOT CURRENTLY BEING MONITORED.
---------------	---

Explanation

The group mask *gggggggg* does not exist for deletion.

System action

The command terminates.

User response

Correct the input group mask.

OM8387	KEYWORD IGNORED. kkkkkkkk IS INVALID; VERIFY SYNTAX.
---------------	---

Explanation

The keyword specified with the command is not valid.

System action

The command terminates.

User response

Correct the keyword for the function to be performed.

OM8388	INVALID PARAMETER. RESPECIFY kkkkkkkk KEYWORD PARAMETER.
---------------	---

Explanation

The parameter specified with keyword *kkkkkkkk* is not valid.

System action

The command does not process the parameter.

User response

Enter an allowable parameter for the keyword.

OM8389	RTA NOT OPERATIONAL. INSUFFICIENT PRIVATE REGION. RTA NOT OPERATIONAL. INSUFFICIENT ECSA. RTA NOT OPERATIONAL. VTAM INTERNAL TRACE INACTIVE. RTA NOT OPERATIONAL. VTAM NOT AT SUPPORTED LEVEL. RTA NOT OPERATIONAL. RC= xx SC= xxxxxxxx; CALL CANDLE CORP.
---------------	---

Explanation

The RTA™ command cannot initialize. The message indicates the required action or, in some cases, gives the failure return code and sense code.

System action

The command does not operate.

User response

Follow the suggestion given in the message text.

OM8390	TSO RESPONSE TIME ANALYZER NOT INSTALLED; CALL CANDLE CORP.
---------------	--

Explanation

The RTA command has not been installed in the load library currently being used.

System action

The command does not operate.

User response

Call IBM Software Support to order the RTA command.

OM8391	RTA NOT AVAILABLE. LOAD ABEND=xxx-yy FOR OMRTASSS.
---------------	---

Explanation

The RTA command load module (system level sss) could not be loaded for the reason indicated by the ABEND code xxx and reason code yy.

System action

The command does not operate.

User response

Correct the situation indicated by the ABEND and reason codes. These codes are documented in *IBM System Messages and Codes*.

OM8392	RTA WILL NOT UPDATE USER PROFILE FOR THIS SESSION
---------------	--

Explanation

The RTA command encountered an unexpected situation during initialization with the User Profile Facility, and subsequent RTA updates to the profile during the session are not effective.

System action

The command continues as normal. Any changes made (that is, group additions or deletions) are not reflected in a User Profile saved during the current OMEGAMON session.

User response

None.

OM8400	ENTRY NOT FOUND: cccc
---------------	------------------------------

Explanation

The entry requested does not exist.

System action

None.

User response

Check to make sure that the request is valid.

OM8401	INVALID PARAMETER SPECIFIED: <i>cccc</i>
---------------	--

Explanation

The error may be due to an invalid keyword or invalid label.

System action

None.

User response

Correct the problem and retry.

OM8402	INVALID KEYWORD VALUE: <i>cccc</i>
---------------	---

Explanation

The error is due to an invalid value for keyword *cccc*.

System action

None.

User response

Correct problem and retry.

OM8403	ERROR DURING UPF INITIALIZATION
---------------	--

Explanation

An internal error occurred during User Profile Facility initialization.

System action

OMEGAMON continues its initialization processing, but all UPF-related functions are disabled for this session.

User response

Call IBM Software Support.

OM8406	SYNTAX ERROR: <i>reason</i>
---------------	------------------------------------

Explanation

A syntax error occurred. The reason for the error is listed.

System action

The command does not execute.

User response

Correct the error and retry.

OM8407	COMMAND ERROR: <i>reason</i>
---------------	-------------------------------------

Explanation

An error occurred while processing the command. The reason for the error is listed.

System action

The command does not execute.

User response

Correct the error, if possible, or call IBM Software Support.

OM8410	ERROR STORING INTO MEMORY- RESIDENT PROFILE OPTIONS TABLE
---------------	--

Explanation

An error occurred while OMEGAMON attempted to update the profile options.

System action

The user request cannot be completed.

User response

Further updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8411	ERROR READING FROM THE MEMORY-RESIDENT PROFILE OPTIONS TABLE
---------------	---

Explanation

An error occurred while OMEGAMON attempted to read the profile options.

System action

The user request can not be completed.

User response

Further profile commands will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8420 ERROR UPDATING ASTG TABLE

Explanation

An error occurred while OMEGAMON attempted to update the memory-resident Address Space Threshold Group table.

System action

The user request can not be completed.

User response

Further ASG updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call support.

OM8421 ASTG TABLE INTERNAL ERROR

Explanation

An error occurred in the memory-resident Address Space Threshold Group table.

System action

The user request can not be completed.

User response

Further ASG commands will fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8430 ERROR UPDATING DMN TABLE

Explanation

An error occurred while OMEGAMON attempted to update the memory-resident Domain Name table.

System action

The user request can not be completed.

User response

Further DMN updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8440 ERROR UPDATING PGN TABLE

Explanation

An error occurred while OMEGAMON attempted to update the memory-resident Performance Group Name table.

System action

The user request can not be completed.

User response

Further PGN updates will probably fail. Restart OMEGAMON if immediate resolution is required. If the problem persists, call IBM Software Support.

OM8500 CSAF EXECUTES ONLY ONCE PER CYCLE

Explanation

Only one CSAF command can be on the screen at once.

System action

The CSA Analyzer ignores all subsequent CSAF commands on the screen.

User response

Enter only one CSAF command on the screen.

OM8501 SUBPOOL *nnn* IS NOT IN <CSA|ECSA|SQA|ESQA >

Explanation

Subpool number *nnn* is not in the common storage area specified by the AREA keyword.

System action

The CSA Analyzer ignores the command.

User response

Correct the value of the SUBPOOL keyword or the AREA keyword.

OM8502 RANGE DOES NOT OVERLAP CSA OR SQA

Explanation

The address range specified does not fall into any common storage area.

System action

The CSA Analyzer ignores the command.

User response

Correct the address range values specified in the RANGE keyword.

OM8503	SYSTEM AND JOB KEYWORDS ARE MUTUALLY EXCLUSIVE
---------------	---

Explanation

You cannot specify both SYSTEM and JOB keywords.

System action

The CSA Analyzer ignores the command.

User response

Enter only the SYSTEM or JOB keyword.

OM8504	PARAMETER FOR KEYWORD xxxxxxx IS INVALID
---------------	---

Explanation

An invalid value for keyword xxxxxxxx was entered.

System action

The CSA Analyzer ignores the command.

User response

Re-enter the keyword, specifying a valid value.

OM8505	JOB REQUIRED. ENTER COMMAND WITH JOB PARAMETER
---------------	---

Explanation

The CSA Analyzer requires a JOB keyword for the command.

System action

The CSA Analyzer ignores the command.

User response

Re-enter the command, specifying a JOB keyword.

OM8506	ONLY KEY ZERO IS VALID FOR (E)SQA
---------------	--

Explanation

You specified a non-zero storage key for SQA or ESQA storage.

System action

The CSA Analyzer ignores the command.

User response

Re-enter the command, specifying KEY(0).

OM8510	NO DATA AVAILABLE
---------------	--------------------------

Explanation

CSAA has no information for the command request.

System action

None.

User response

None.

OM8511	CSAA IS NOT ACTIVE
---------------	---------------------------

Explanation

The CSAA manager address space is not running.

System action

The CSA Analyzer ignores the command.

User response

Start the CSAA Manager address space and retry the command.

OM8512	LOAD OF CSAA SUPPORT MODULE FAILED
---------------	---

Explanation

The CSA Analyzer did not find a required module for the operation of CSAA.

System action

The CSA Analyzer ignores the command.

User response

Ensure that all CSAA modules reside in the OMEGAMON load library.

**OM8513 CSAA REPORTER INTERNAL
LOGIC ERROR**

Explanation

The CSAA reporter module abended.

System action

The CSA Analyzer ignores the command.

User response

Call IBM Software Support.

OM8514 CSAA MANAGER BUSY. TRY AGAIN

Explanation

The CSAA reporter could not process the command request because the CSAA manager was busy.

System action

The CSA Analyzer ignores the command.

User response

Retry the command.

**OM8515 CSAA REPORTER ERROR.
RC=nnnnnnnn**

Explanation

The CSAA reporter encountered an error.

System action

The CSA Analyzer ignores the command.

User response

Call IBM Software Support.

**OM8516 <CSA|ECSA|SQA|ESQA>
MONITORING IS NOT ACTIVE**

Explanation

CSAA is not monitoring the area specified in the AREA keyword.

System action

The CSA Analyzer ignores the command.

User response

When you next start the CSAA address space, specify monitoring for the given area.

**OM8517 <SYSTEM|JOB> TRENDING IS NOT
ACTIVE**

Explanation

CSAA did not gather the necessary trending data.

System action

The CSA Analyzer ignores the command.

User response

When the CSAA address space is next started, specify trending for SYSTEM or job.

**OM8518 VERSION MISMATCH. MANAGER
Vmmm. REPORTER Vnnn**

Explanation

The CSA Analyzer Manager's version, *mmm*, does not match the Reporter's version, *nnn*.

System action

The CSA Analyzer ignores the command.

User response

Ensure that all CSAA modules are at the same version.

OM8519 FREEMAIN EVENTS MISSED

Explanation

The CSA Analyzer was unable to record some freemains due to a buffer full condition.

System action

The CSA Analyzer ignores the command.

User response

When you next start CSAA, increase its amount of available fixed storage.

**OM8520 CSAA UPDATE PROCESSING
SUSPENDED AT mm/dd/yy hh:mm**

Explanation

The CSA Analyzer has stopped processing.

System action

The system does not process the command.

User response

Make sure that the CSA Analyzer started task is running.

OM8521 **OPERAND *<operand>* NOT PERMITTED**

Explanation

The keyed parameter has been recognized but you used it incorrectly as an operand.

System action

The OMCSAA command processing edits the second and subsequent keyed parameters following the command. Those parameters must be operands which must be syntactical elements of the OMCSAA command argument being processed.

Note: The OMCSAA/CSAA arguments that use the JOB and SYSTEM adverbs to distinguish different report processing requirements use two specific sets of operands which are similar but not identical.

User response

Make the following changes:

1. Remove or correct the indicated operand.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8522 **VALUE *<value>* NOT PERMITTED**

Explanation

Some of the OMCSAA keyed parameter specifications are keywords (i.e., they are unique names without an associated assignment value). The OMCSAA/CSAA arguments and the SYSTEM adverb are always keywords. They neither require nor permit an associated assignment value.

System action

Each keyed parameter is edited and evaluated syntactically. Whenever a specification violates a syntax rule, the appropriate OMCSAA diagnostic message is issued.

User response

Make the following changes:

1. Correct the command syntax.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8523 ***<operand>* IS REQUIRED**

Explanation

You have not declared a required operand and no substitute value assignment is available. The JOB adverb and the AREA operand both lack default assignment values.

System action

When a specific OMCSAA command argument requires a particular operand that you have not supplied, the OMCSAA command processing attempts to provide an assignment value for the missing operand in the following manner:

1. The inherited value, the last value assigned to that operand when an OMCSAA command was processed successfully, is assigned to the current operand.
2. When an inheritable assignment value is a null value, the operand's default value is assigned.
3. When the result is still a null value, a violation occurs and this message is issued.

User response

Make the following changes:

1. Provide the missing operand and value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8525 ***<operand>* VALUE NOT NAME**

Explanation

The operand assignment value is not a name.

System action

A name value begins with an alphabetic character (A–Z). The JOB adverb and the AREA operand are associated with alphabetic assignment values.

User response

Make the following changes:

1. Correct the value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8526 **<operand> VALUE NOT NUMERIC****Explanation**

The operand assignment value is not a number.

System action

A numeric value begins with the decimal digits (0–9) or with hexadecimal digits (A–F). The ASID, SUBPOOL, BOUNDS, MINSIZE, and RANGE operands are all associated with numeric assignment values.

User response

Make the following changes:

1. Correct the value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8527 **<operand> VALUE LIST NOT PERMITTED****Explanation**

OMEGAMON does not directly support lists of assignment values.

System action

The (*) assignment value is a quasi-list list assignment. You may specify only the ASID and SUBPOOL operands with the (*) assignment value.

User response

Make the following changes:

1. Correct the value assignment.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8530 **ARGUMENT <text> NOT RECOGNIZED****Explanation**

Each argument is a keyword which must be specified immediately after the command on the command line. The keyed parameter is not recognized as a valid OMCSAA specification if an argument is required.

System action

The OMCSAA command processing edits the first keyed parameter following the command. That parameter must be an argument.

Note: The OMCSAA/CSAF command is an exception to this rule.

User response

Make the following changes:

1. Correct the command specifications.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8531 **OPERAND <text> NOT RECOGNIZED****Explanation**

Each operand is a keyword which must be entered as documented. Each operand is associated with a specific abbreviation.

System action

Operand specifications that are neither the acceptable full text nor the acceptable abbreviation are rejected.

User response

Make the following changes:

1. Correct the command specifications.
2. Remove the command inhibit character (>).
3. Resubmit the command.

OM8540 **INSUFFICIENT MEMORY. REQUEST NOT PROCESSED****Explanation**

The OMCSAA/CSAA DETAIL command may generate a significant number of CSA Events Extract Records. The nominal OMCSAA CSA Events Extraction Work Area is only 5120 bytes. OMCSAA has logic that will acquire a larger Extraction Work Area but that logic is conditional.

System action

OMCSAA command logic inhibits the automatic acquisition of a larger Extraction Work Area in order to minimize the overhead generated by continually issuing GETMAIN requests to the operating system. last request.

User response

Either restrict the scope of the request or resubmit the command with the OMEGAMON action character in column 1.

OM8541 **INSUFFICIENT MEMORY. <xxxxxx>
KB ADDITIONAL MEMORY
REQUIRED**

Explanation

The OMCSAA/CSAA Events Extract Work Area may be expanded but the expansion requires allocatable memory in SUBPOOL (0).

System action

OMCSAA command processing has attempted to acquire the memory required to support the Extract Work Area. There is not enough memory available in SUBPOOL (0).

User response

Either restrict the scope of the OMCSAA/CSAA DETAIL command or re-initialize a new OMEGAMON session with a larger REGION size.

OM8542 **SCREEN OUTPUT EXCEEDS
LROWS LIMIT**

Explanation

Irrespective of the size of the OMCSAA/CSAA Events Extract Work Area, the ultimate limit upon the ability of OMEGAMON to display the CSA Analyses is the number of logical lines of display.

System action

There are more lines of data to be displayed than OMEGAMON can support.

User response

Either restrict the scope of the OMCSAA/CSAA DETAIL command or re-initialize a new OMEGAMON session with a larger LROWS size.

Note: The additional memory required to support a larger number of logical lines of display may reduce the ability to extract the analytical data from the CSA Events Database.

OM8550 **NOT ENOUGH MEMORY FOR
WORKAREA - nnnnnnK NEEDED.**

Explanation

The specified command could not obtain a work area.

System action

The command terminates.

User response

Increase the region size of the address space by a minimum of *nnn*K. Alternatively, use the DATA minor of SEEK to decrease the work size area by *nnn*K.

OM8551 **WARNING WSIZ TOO SMALL -
ADDR= xxxxxxxx SIZE= nnnn
USED= nnnn.**

Explanation

The SEEK SRB to collect data failed to complete its task because the data area it needed was small.

System action

None.

User response

Use the DATA minor of SEEK to increase the work area.

OM8552 **DEVICE INVALID OR OFFLINE**

Explanation

The specified device either was not found in the UCB lookup table, or was found to be marked offline.

System action

Command execution terminates.

User response

Specify a valid volume or vary volume online.

OM8553 **WARNING; cccc FAILED VALIDITY
CHECK**

Explanation

The specified control block (ASCB, TCB, DSAB, JFCB, or JFCX) failed validation in the SRB routine for DATA minor of SEEK.

System action

DATA minor of SEEK does not collect dataset information for the address space which has failed validation.

User response

This is an informational message only.

OM8555 **WARNING INVALID RETURN CODE
= xxxxxxxx (FROM DATA minor of
SEEK COMMAND)**

Explanation

The SRB to collect data failed to complete its task and returned an invalid return code to the user.

System action

Command execution terminates.

User response

Call IBM Software Support to report a possible problem.

OM8556 INVALID PARAMETER SPECIFIED.

Explanation

An invalid parameter was encountered on the SEEK or DATA command line.

System action

The command is terminated.

User response

Check the syntax and respecify with the correct parameter.

OM8557 VOLSER OR DEVICE PARAMETER REQUIRED.

Explanation

The volser or device address required by SEEK has not been specified.

System action

None.

User response

Specify the volser or device address and reissue the command.

OM8558 SPECIFIED ITEM NOT FOUND.

Explanation

A seek operation was not observed on the sample number specified in the ITEM parameter, or no seek operations were observed for the specified jobname.

System action

No detail data items are displayed.

User response

This is an informational message only.

OM8559 WARNING INVALID INTERVAL TIME SPECIFIED.

Explanation

The specified sample interval must be between 5 and 500 milliseconds.

System action

Processing continues with the default of 5 milliseconds assumed.

User response

This is an informational message only.

OM8560 WARNING INVALID SAMPLE COUNT SPECIFIED.

Explanation

The specified sample count was greater than 100.

System action

Processing continues with the maximum of 1000 samples assumed.

User response

This is an informational message only.

OM20001 OM2INIT HAS BEEN ENTERED

Explanation

Informational message concerning the progress of initialization.

System action

None.

User response

None.

OM20002 OM2CVT ADDRESS = hhhhhhhh

Explanation

Informational message displaying the address of the communications vector table.

System action

None.

User response

None.

OM20003 **MODULE FAILED LOAD *modname***

Explanation

During initialization, a number of functions must be loaded into storage. The message indicates that the module *modname* was not loaded into storage.

System action

OMEGAMON II for MVS cannot proceed without all functions available; therefore, the initialization is canceled.

User response

This is probably an installation problem. Review the installation process for errors.

OM20004 **KM2RULE MODULE FAILED RC = *rc***

Explanation

The rules database must be loaded into storage during installation. The message indicates that the function responsible for KM2RULE failed and gave a return code of *rc*.

System action

OMEGAMON II for MVS cannot proceed without all data available; therefore, the initialization is canceled.

User response

This is probably an installation problem. Review the installation process for errors.

OM20005 **RULES TABLE ADDR = *hhhhhhhh***

Explanation

Informational message indicating the address of the rules table.

System action

None.

User response

None.

OM20006 **GLOBAL DATA ARRAY ADDR = *hhhhhhhh***

Explanation

Informational message indicating the address of the global data area.

System action

None.

User response

None.

OM20007 **RULE DEFINED TO OM2ROUTER, ADDR= *hhhhhhhh* NAME= *rulename***

Explanation

Informational message indicating the storage address that has been assigned to a rule.

System action

None.

User response

None.

OM20008 **OM2_DEFINE FAILED, RC= *rc* ADDR RULE= *hhhhhhhh***

Explanation

The rule at address *hhhhhhhh* could not be defined, and the error return code was *rc*.

System action

The initialization has been canceled due to insufficient data.

User response

This is probably an installation problem. Review the installation process for errors.

OM20009 **OM2INIT COMPLETE**

Explanation

Informational message concerning the progress of initialization.

System action

None.

User response

None.

OM20010 OM2OPEN HAS BEEN ENTERED

Explanation

Informational message concerning the progress of initialization.

System action

None.

User response

None.

OM20011 OM2SCVT ADDR = hhhhhhhh

Explanation

Informational message indicating the address of the secondary communications vector table.

System action

None.

User response

None.

OM20012 VTAM FAILURE SENSE CODE= xxx

Explanation

OMEGAMON II for MVS needs to log onto the realtime collector. The message indicates that the connection was not successful. VTAM provides a sense code which can help diagnose the problem.

System action

The session ends.

User response

This is most often a setup problem. Check to make sure that the realtime collector is running and that the VTAM controls are properly activated. The sense code '100A0000' indicates that the VTAM name of the collector (luname) is missing or inactive.

Note: See message KLVVT251 for complete return code information.

Refer to the *IBM Systems Network Architecture Format and Protocol Reference Manual* for further information.

OM20013 OM2OPEN HAS COMPLETED

Explanation

Informational message concerning the progress of initialization.

System action

None.

User response

None.

OM20016 M2CLOSE HAS BEEN ENTERED

Explanation

Informational message concerning the progress of initialization.

System action

None.

User response

None.

OM20017 SESSION NO LONGER ACTIVE WITH luname

Explanation

The user is logging off the session. The connection to the real time collector must also be closed. *luname* is the VTAM application name of the realtime collector.

System action

None.

User response

None.

OM20018 OM2CLOSE HAS COMPLETED

Explanation

Informational message concerning the progress of initialization.

System action

None.

User response

None.

OM22001 M2SESS HAS BEEN ENTERED

Explanation

Informational message concerning the progress of initialization. Module M2sess routine has been entered.

System action

None.

User response

None.

OM22002 NOW USING PROFILE *pp*

Explanation

This is an informational message indicating that the user requested an alternate collector profile using the Signon Panel logon options (F11).

System action

None.

User response

Check to make sure that the correct profile is being used.

OM22003 COLLECTOR SESSION ESTABLISHMENT FAILURE

Explanation

M2SESS attempted to connect to each of the three lunames specified in *rhilev*.RKANPAR(KM2IPARM) None were successful.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Determine if the *rhilev*.RKANPAR(KM2IPARM) lunames are spelled correctly. If so, determine if the required

applications have been started and the application names have been varied active.

OM22004 PURGE EXIT CREATION FAILURE

Explanation

M2SESS failed to establish a purge exit to keep track of cases when the terminal is lost.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

This is an internal error. Notify IBM Software Support.

OM22005 PURGE EXIT CREATED FOR PHYSICAL DEVICE

Explanation

This is an informational message indicating that M2SESS successfully established a purge exit to keep track of cases when the terminal is lost.

System action

None.

User response

None.

OM22006 OMEGAMON COPYRIGHT SCREEN RECEIVE FAILURE

Explanation

M2SESS failed to read the first screen (a copyright notice).

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22007 LOGON SCREEN SEND FAILURE

Explanation

M2SESS attempted to send the logon commands to the realtime collector. The send did not complete successfully.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22008 LOGON SCREEN RECEIVE FAILURE

Explanation

M2SESS attempted to read a realtime collector screen. The receive did not complete successfully.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22009 OMEGAMON REJECTED USERS LOGON ATTEMPT

Explanation

M2SESS attempted to understand a realtime collector screen.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check that *rhilev*.RKANPAR(KM2IPARM) specifies a correct realtime collector. If not, it may be a communications error. Additionally, the failure may be due to insufficient authority to logon OMEGAMON; check with your security administrator. Also, check the RKLVSnap dataset for additional diagnostic information.

OM22010 COLLECTOR PROFILE(pp) REQUESTED(qq)

Explanation

M2SESS determined that the realtime collector profile is different from the one requested.

System action

The attempt to logon is continued.

User response

Check that DATA=YES is specified for the realtime collector. DATA=NO would cause the requested profile to be ignored. Check also if the profile exists in the realtime collector profile libraries.

OM22013 LOG SEND FAILURE

Explanation

M2SESS attempted to send the LOG command to the realtime collector, to turn on screen logging. The send did not complete successfully.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22014 LOG RECEIVE FAILURE

Explanation

M2SESS attempted to receive the screen following the LOG command. The receive did not complete successfully.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22015 COMMAND SEND FAILURE

Explanation

M2SESS attempted to send a command to the realtime collector. The send did not complete successfully.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22016 **COMMAND RECEIVE FAILURE**

Explanation

M2SESS attempted to read the screen following a command to the realtime collector. The receive did not complete successfully.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22017 **SESSION ESTABLISHED WITH
luname FOR USER userid**

Explanation

Informational message concerning progress of the initialization. *luname* is the realtime collector luname and *userid* is the userid which has been used to logon to the realtime collector.

System action

None.

User response

None.

OM22018 **M2SESS ROUTINE COMPLETE**

Explanation

The connection between OMEGAMON for MVS and OMEGAMON II for MVS has completed.

System action

None.

User response

None.

OM22019 **M2SESS: LROWS(xxxx) INVALID;
SESSION TERMINATED**

Explanation

M2SESS determined that the LROWS parameter was invalid.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Correct the LROWS value in
rhilev.RKANPAR(KM2IPARM).

OM22020 **KM2SESS: LROWS(xx) IS TOO
SMALL AND MINIMUM IS 99;
SESSION TERMINATED**

Explanation

M2SESS determined that the LROWS parameter was invalid.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Correct the LROWS value in
rhilev.RKANPAR(KM2IPARM).

OM22021 **OMEGAMON COPYRIGHT SCREEN
TOO SMALL, DATA(xxxx)**

Explanation

The expected OMEGAMON copyright screen was not received.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check to see if your VTAM parameters have been set up correctly.

OM22022 **LOGMODE xxxxxxxx INVALID.
MUST NOT BE QUERIBLE.**

Explanation

The expected OMEGAMON copyright screen was not received.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

The LOGMODE for the terminal being used must not be queriable.

OM22023 **LOGON FAILED, OM SECURITY
NOT INSTALLED**

Explanation

The logon to OMEGAMON failed.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Install command level security.

OM22024 **LOGON TO OMEGAMON FAILED;
SEE RKLVSAP**

Explanation

The logon to OMEGAMON failed.

System action

The attempt to logon to the realtime collector has ended. After the error message is displayed, the user is terminated.

User response

Check the RKLVSAP dataset for diagnostic information.

OM22030 **SUBTASK COLLECTOR SESSION
ESTABLISHMENT FAILURE**

Explanation

The attempt to establish a session with the OMEGAMON subtask realtime collector failed.

System action

The user is terminated.

User response

Call IBM Software Support and have the RKLVLOG messages available.

OM22031 **SESSION ESTABLISHED WITH
OMEGAMONSUBTASK FOR USER
userid**

Explanation

Informational message concerning progress of the initialization. *userid* is the userid which has been used to logon to the realtime collector.

System action

None.

User response

None.

OM22032 **OMEGAMON SUBTASK
TERMINATED FOR USER *userid***

Explanation

Informational message indicating that the connection between OMEGAMON and OMEGAMON II has been terminated for *userid*.

System action

None.

User response

None.

OM22033 **\$OMON START RETURNED RC=*nn*,
R0=*nn***

Explanation

A session with the OMEGAMONSUBTASK could not be started.

System action

The user is terminated.

User response

Call IBM Software Support and have the RKLVLLOG messages available.

OM22034 \$OMON RCV RETURNED RC=*nn*

Explanation

A receive from the OMEGAMON SUBTASK failed.

System action

User session is terminated.

User response

This is an internal error. Notify IBM Software Support.

OM22035 \$OMON SEND RETURNED RC=*nn*

Explanation

A send to the OMEGAMON SUBTASK failed.

System action

User session is terminated.

User response

This is an internal error. Notify IBM Software Support.

**OM22036 WARNING - PUTVAR FOR
KM2DEHDL RETURNED RC=*nn***

Explanation

The user's session identification for the OMEGAMON SUBTASK could not be saved.

System action

User session is terminated.

User response

This is an internal error. Notify IBM Software Support.

**OM22037 SESSION TERMINATED WITH
applid FOR USER *userid***

Explanation

Informational message indicating that the connection between OMEGAMON and OMEGAMON II has been terminated for *userid*.

System action

None.

User response

None.

**OMV001I OBVTAM VERSION *Vnnn*
INITIALIZATION**

Explanation

The OBVTAM support program, version *nnn*, is initializing.

System action

OBVTAM processing continues.

User response

None.

**OMV002I APPL *applid* OPENED
SUCCESSFULLY**

Explanation

The OPEN macro for the VTAM ACB was successful.

System action

Initialization processing continues.

User response

None. OBVTAM is ready to accept logons.

**OMV003I APPL *cccccccc* FAILED TO OPEN -
*reason***

Explanation

OBVTAM attempted to open an ACB to VTAM with the identifier *cccccccc*. The attempt failed for the reason specified.

System action

If the reason is a retryable condition (for example, if the network APPL is inactive at the time OBVTAM attempts access), OBVTAM retries the operation for up to 30 minutes. Otherwise, OBVTAM terminates.

User response

The reasons that appear follow. Take the appropriate action for the reason that appears with this message.

OMV003I(cont 1) APPL ALREADY OPEN

Explanation

Another MVS job or started task has the OBVTAM network APPL allocated.

System action

OBVTAM terminates.

User response

Contact the VTAM systems programmer at your installation.

OMV003I(cont 2) APPL IS INACTIVE

Explanation

OBVTAM attempted to open an ACB to VTAM for an network APPL that was inactive.

System action

OBVTAM attempts access again for up to 30 minutes.

User response

Activate the network APPL.

OMV003I(cont 3) APPL IS IN CLEANUP

Explanation

VTAM has not completed recovery processing after an OBVTAM failure.

System action

Once VTAM processing is complete, the network APPL becomes available to OBVTAM automatically.

User response

None. This is an informational message only.

OMV003I(cont 4) APPL NOT DEFINED

Explanation

The OBVTAM APPL was not defined to VTAM.

System action

OBVTAM terminates.

User response

Contact the VTAM systems programmer at your installation to define an APPL to VTAM for OBVTAM. Restart OBVTAM.

OMV003I(cont 5) VTAM ERROR CODE nn

Explanation

The error code associated with the VTAM OPEN ACB process was *nn*.

System action

If the error code is 14, OBVTAM retries the operation for up to 30 minutes. Otherwise, OBVTAM terminates.

User response

Write down the VTAM error code and contact the VTAM systems programmer at your installation, or contact support.

OMV003I(cont 6) VTAM IS NOT ACTIVE

Explanation

OBVTAM was started before VTAM.

System action

OBVTAM attempts to open the network APPL for up to 30 minutes.

User response

Start VTAM, then restart OBVTAM.

**OMV004I OBVTAM MUST BE APF
AUTHORIZED TO BE NON-
SWAPPABLE**

Explanation

The OBVTAM start parameter included SWAP=N, but OBVTAM cannot mark itself non-swappable without APF authorization.

System action

OBVTAM processing continues, but OBVTAM will remain non-swappable.

User response

If you want OBVTAM to be non-swappable, restart it from an APF-authorized library.

OMV005I *cccccccc FM/TS PROFILE nnnn*
NOT SUPPORTED

Explanation

Secondary Logical Unit *cccccccc* tried to establish a session using a VTAM Logmode that specifies an FM/TS session profile of *nnnn*. OBVTAM supports FM/TS profiles 0303 and 0202 only.

System action

OBVTAM rejects the session request from SLU *cccccccc*.

User response

Select a VTAM Logmode which specifies a supported FM/TS profile, or select an alternate device.

OMV006I **SESSION ESTABLISHED FOR**
aaaaaaaa/bbbbbbbb

Explanation

A VTAM session was established between OBVTAM (network identifier *aaaaaaaa*) and Secondary Logical Unit *bbbbbbbb*.

System action

OBVTAM processing continues; initialization starts for an OMEGAMON session.

User response

None.

OMV007I **SESSION INITIATION FAILED FOR**
aaaaaaaa/bbbbbbbb: cc dddd eeee
ffff

Explanation

The initiation of a session between OBVTAM (network identifier *aaaaaaaa*) and Secondary Logical Unit *bbbbbbbb* failed. The VTAM status associated with the request is:

cc
VTAM request code

dddd

VTAM return code information

eeee

SNA system sense field

ffff

SNA user sense field

System action

OBVTAM rejects the session request from SLU *bbbbbbbb*.

User response

Refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV008I **KOBDSQZ MODULE NOT FOUND.**
NO DATA COMPRESSION

Explanation

The program module KOBDSQZ was not found in the OBVTAM program library.

System action

OBVTAM processing continues, but the 3270 data stream created by OMEGAMON will not be compressed for those sessions that requested data compression.

User response

Contact IBM Software Support for assistance.

OMV009I **ROWS/CLS IN CONFLICT WITH**
VTAM LOGMODE ccccccc

Explanation

The ROWS= and/or COLS= OMEGAMON startup parameter does not match VTAM's definition for the terminal. The VTAM logmode used to start the session was *ccccccc*.

System action

OBVTAM displays the OBUSRMSG panel and then terminates.

User response

Correct the values of the OBVTAM startup parameter or select another VTAM logmode that is the same as the OBVTAM startup parameter.

**OMV010I TIMEOUT KEYWORD VALUE
INVALID - SET TO 0**

Explanation

The value of the OBVTAM start parameter keyword TIMEOUT was not in the range 0–99.

System action

Processing continues.

User response

OBVTAM sets the TIMEOUT value to 0, and idle OMEGAMON sessions are not subject to timeout cancellation.

User response

Correct the TIMEOUT value and restart OBVTAM.

**OMV012I OMEGAMON SESSION TIMEOUT -
cccccccc**

Explanation

The OMEGAMON session with terminal cccccccc was idle for the length of time specified on the TIMEOUT parameter.

System action

OBVTAM cancels the idle session.

User response

You may start another session.

OMV013I WSF (QUERY) TIMEOUT - cccccccc

Explanation

Terminal cccccccc has not replied to the WSF (Query) sent by OBVTAM.

System action

OBVTAM terminates the session with terminal cccccccc.

User response

Configure terminal cccccccc to support WSF (Query) or select a VTAM logmode that does not indicate that WSF (Query) is supported.

**OMV980I SESSION REQUEST FAILED
FOR cccccccc/aaaaaaaa -
INSUFFICIENT MEMORY**

Explanation

OBVTAM (application cccccccc) failed to obtain enough memory to establish a session with terminal aaaaaaaaaa.

System action

OBVTAM rejects the session request from terminal aaaaaaaaaa.

User response

It may be possible to start a session by using a terminal with a smaller screen size, or by eliminating the use of 3270 data stream compression. Specify DC=N as part of the OBVTAM startup parameter to eliminate data compression. If the session still cannot be started, it may be necessary to increase the value of the MVS REGION SIZE to make more memory available to OBVTAM.

**OMV981I DEVICE ERROR aaaaaaaaaa
DETECTED FOR bbbbbbbb/
cccccccc**

Explanation

OBVTAM (network identifier bbbbbbbb) received device status information from Secondary Logical Unit cccccccc. The information aaaaaaaaaa is the status value received in an SNA LUSTAT command.

System action

OBVTAM terminates the session with SLU cccccccc.

User response

Refer the LUSTAT information to your Network Support group or contact IBM Software Support for assistance.

**OMV982I GETMAIN FAILED - INCREASE
REGION SIZE**

Explanation

There is insufficient region size for OMEGAMON to obtain buffers.

System action

OMEGAMON aborts the session start.

User response

See your installer to increase the region size.

OMV983I	OM= KEYWORD INVALID - MODULE aaaaaaaa NOT FOUND bbbbbbbb/cccccccc
----------------	--

Explanation

The module specified by the OM session start parameter could not be found by OBVTAM (network identifier *bbbbbbbb*). Module *aaaaaaa* was specified explicitly or by default.

System action

OBVTAM terminates the session with SLU *cccccccc*.

User response

Include module *aaaaaaa* in the OBVTAM runtime program library or specify a different module with the OM session start parameter.

OMV984I	EXTENDED ATTRIBUTE ERROR aaaa bbbb DETECTED FOR cccccccc
----------------	---

Explanation

Secondary Logical Unit *cccccccc* rejected a screen sent to it by OMEGAMON. The screen may have contained extended color or highlighting attributes. The VTAM status associated with the error is: *aaaa* - SNA system sense field and *bbbb* - SNA user sense field.

System action

OBVTAM terminates the session with SLU *cccccccc*.

User response

Verify that the terminal supports extended attributes and is properly defined to VTAM. If the terminal does not support extended color, the OMEGAMON session cannot be used with extended color support turned on. If the problem persists, refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV986I	SESSION ERROR aa bbbb cccc dddd FOR eeeeeee/ffffff
----------------	---

Explanation

An error occurred on the session between OBVTAM (network identifier *eeeeeeee*) and Secondary Logical

Unit *ffffff*. The VTAM status associated with the error is:

aa
VTAM request code

bbbb
VTAM return code information

cccc
SNA system sense field

dddd
SNA user sense field

System action

OBVTAM terminates the session with SLU *ffffff*.

User response

Refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV987I	VTAM ACB CLOSE FAILED; RETURN CODE=rc, REASON CODE=rs
----------------	--

Explanation

VTAM close processing failed as indicated.

System action

OBVTAM terminates.

User response

Contact IBM Software Support.

OMV988I	UNABLE TO START OBVTAM SESSION (REASON CODE rs)
----------------	--

Explanation

An error occurred while trying to start the VTAM session, possibly because of lack of storage.

System action

OBVTAM terminates.

User response

Try to increase region size in the startup JCL. If failure recurs, contact IBM Software Support.

OMV989I	TPEND EXIT-code DRIVEN FOR applid
----------------	--

Explanation

Either a network shutdown is in progress, or the user has varied the OBVTAM network APPL inactive.

System action

Normally none.

User response

If this message recurs, contact IBM Software Support.

OMV990I	INVALID LOGON PASSWORD FOR applid/sluname
----------------	--

Explanation

The password specified in the LOGON DATA parameter does not match the password in the PARM string.

System action

OBVTAM terminates the logon process.

User response

Determine the correct password and retry.

OMV992I	SESSION cccccccc - PGM CHK xxxx yyyyyyyy, aaaa + bbbb
----------------	--

Explanation

OBVTAM encountered a program error while processing the session with terminal cccccccc. The variable message is defined as follows: xxxx is the program check interrupt code, yyyyyyy is the address where the program check occurred, aaaa is the module name where the program check occurred, and bbbb is the module offset where the program check occurred.

System action

OBVTAM terminates.

User response

Record the message and contact IBM Software Support. You may restart the session.

OMV994I	TERMINATION REQUESTED BY bbbbbbbb - REASON CODE xx
----------------	---

Explanation

The Secondary Logical Unit bbbbbbbb requested to terminate the VTAM session between itself and OBVTAM. The VTAM reason code was xx.

System action

OBVTAM terminates the OMEGAMON session and then terminates the VTAM session.

User response

This may or may not indicate a problem. If the message persists, refer the VTAM reason code information to your Network Support group or contact IBM Software Support for assistance.

OMV996I	SESSION TERMINATED FOR aaaaaaaa/bbbbbbbb
----------------	---

Explanation

The VTAM session between OBVTAM (network identifier aaaaaaaaa) and Secondary Logical Unit bbbbbbbb ended.

System action

OBVTAM processing continues; OBVTAM will accept a new session request from any SLU.

User response

None.

OMV997I	SESSION TERMINATION FAILED FOR aaaaaaaaa/bbbbbbbb: cc dddd eeee ffff
----------------	---

Explanation

Session termination processing between OBVTAM (network identifier aaaaaaaaa) and Secondary Logical Unit bbbbbbbb failed. The VTAM status associated with the request is

- cc**
VTAM request code
- dddd**
VTAM return code information
- eeee**
SNA system sense field
- ffff**
SNA user sense field

System action

OBVTAM stops servicing the session with SLU bbbbbbbb.

User response

Refer the VTAM status information to your Network Support group or contact IBM Software Support for assistance.

OMV998I	STOP COMMAND CAUSES TERMINATION FOR <i>applid</i>
----------------	--

Explanation

The MVS operator issued an MVS STOP console command, instructing OBVTAM to terminate and all OMEGAMON sessions that are currently active beneath it.

System action

OBVTAM begins termination processing.

VEB Messages

VEBAI001	ENTRY POINT SPECIFIED (xxxxxxx) IS NOT A VALID EPILOG API SERVICE
-----------------	--

Explanation

The requested API service xxxxxxxx has not been implemented in this version of the API.

System action

The API request is terminated.

User response

If this message recurs, contact IBM Software Support.

VEBAI002	EPILOG PURGE EXIT FAILED TO CREATE FOR TERMINAL xxxxxxxx
-----------------	---

Explanation

The termination exit for terminal xxxxxxxx could not be established.

System action

The API request is terminated.

User response

If this message recurs, contact IBM Software Support.

VEBAI003	EPILOG SESSION HANDLE CHAIN MISSING FOR DIALOG FUNCTION xxxxxxx
-----------------	--

User response

None. This is an informational message about a normal OBVTAM condition.

OMV999I	OBVTAM ENDED
----------------	---------------------

Explanation

The OBVTAM support program ended.

System action

OMEGAMON terminates.

User response

None. This is an informational message about a normal OBVTAM condition.

Explanation

The anchor for the session handle chain could not be located.

System action

The API request is terminated.

User response

If this message recurs, contact IBM Software Support.

VEBAI004	EPILOG SESSION HANDLE MISSING FOR DIALOG FUNCTION xxxxxxx
-----------------	--

Explanation

The session handle for the dialog function xxxxxxxx has not been supplied or was invalid.

System action

The API request is terminated.

User response

If this message recurs, contact IBM Software Support.

VEBAI005	EPILOG API FUNCTION xxxxxxxx, SESSION HANDLE (yyyyyyy) INVALID
-----------------	---

Explanation

The session handle yyyyyyy was found to be invalid, while processing function xxxxxxxx.

System action

The API request is terminated.

User response

If this message recurs, contact IBM Software Support.

**VEBAI006 EPILOG API INTERFACE NOT
ACTIVE FOR FUNCTION xxxxxxxx**

Explanation

The API interface was not active, while processing function xxxxxxxx.

System action

The API request is terminated.

User response

Check that all required procedures have been started and then reissue the request. If this message recurs, contact IBM Software Support.

**VEBAI007 EPILOG CROSS MEMORY
CONNECTION BROKEN,
FUNCTION xxxxxxxx**

Explanation

The cross memory connection was lost, while processing function xxxxxxxx.

System action

The API request is terminated.

User response

Check that all required procedures have been started and then reissue the request. If this message recurs, contact IBM Software Support.

**VEBAI008 CROSSMEM-SEND FAILED, PROC
HAS RESET**

Explanation

A temporary error was detected, while processing a cross memory send request.

System action

The cross memory send request is reissued.

User response

None.

VEBAI009 CROSSMEM-RECV failed RC(rc)

Explanation

An error was detected while processing a cross memory receive request; rc (return code) further defines this error.

System action

The cross memory receive request is terminated.

User response

Reissue the request. If this message recurs, contact IBM Software Support.

**VEBAI010 TERMINATING DIALOG DUE TO
EPILOG API FAILURE (rc)**

Explanation

A failure of the EPILOG API has been detected; rc further defines this failure.

System action

The cross memory connection is terminated.

User response

Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI012 CROSSMEM-SEND failed RC(rc)

Explanation

An error was detected, while processing a cross memory send request; rc further defines this failure.

System action

The cross memory send request is terminated.

User response

Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI013 CROSSMEM-RECEIVE failed RC(rc)

Explanation

An error was detected, while processing a cross memory receive request; rc further defines this error.

System action

The cross memory receive request is terminated.

User response

Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI014	DISCONN CALLED FROM PURGE EXIT, REASON CODE (reason), RC(rc)
-----------------	---

Explanation

An error was detected, while processing a disconnect request to the EPILOG API; the reason code and rc (return code) further define this error.

System action

The connection is forcibly terminated, and any allocated storage relating to the connection is freed.

User response

If this message recurs, contact IBM Software Support.

VEBAI015	CROSSMEM-SEND FAILED RC(rc)
-----------------	------------------------------------

Explanation

An error was detected, while processing a cross memory send request; rc further defines this error.

System action

The cross memory send request is terminated.

User response

Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI016	CROSSMEM-OPEN FAILED; RETRY WILL BE ATTEMPTED
-----------------	--

Explanation

An unsuccessful attempt was made to establish the cross memory connection.

System action

Another attempt will be made to establish the cross memory connection.

User response

None.

VEBAI017	CROSSMEM-OPEN FAILED RC(rc)
-----------------	------------------------------------

Explanation

An unsuccessful attempt was made to establish the cross memory connection; rc further defines the unsuccessful attempt.

System action

The API request is terminated.

User response

Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI018	CROSSMEM-STATUS REQUEST FAILED RC(rc)
-----------------	--

Explanation

An error was detected, while processing a cross memory status request; rc further defines this error.

System action

The cross memory status request is terminated.

User response

Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI019	CROSSMEM-SEND failed RC(rc)
-----------------	------------------------------------

Explanation

An error was detected, while processing a cross memory send request; rc further defines this error.

System action

The cross memory send request is terminated.

User response

Verify that the SSCTxxxx DD statements in the CANSM2 and CANSM2HD procs are identical. Reissue the request. If this message recurs, contact IBM Software Support.

VEBAI021 FREED CB AT ADDR(xxxxxxxx)

Explanation

The session storage at address xxxxxxxx was freed, while performing cross memory recovery.

System action

Recovery processing continues.

User response

None.

**VEBAI022 VEBSESS CB NOT FREED AT
ADDR(xxxxxxxx)**

Explanation

The session storage at address xxxxxxxx was not freed, while performing cross memory recovery.

System action

Recovery processing continues.

User response

None.

**VEBAI023 UNCHAIN SESSION AT (xxxxxxxx),
RC(rc)**

Explanation

The purge exit was called to unchain the session at address xxxxxxxx. If RC is non-zero, then an error occurred; rc further defines this error.

System action

Disconnect processing continues.

User response

None.

**VEBAI033 WAITING FOR RESPONSE FROM
API**

Explanation

The OMEGAMON II HDI address space has not responded to the request for historical data.

System action

The user will be prompted with a pop-up requesting whether OMEGAMON II should continue to wait for a response from the HDI.

User response

None.

**VEBAI077 DODISCON- UNCHAIN SESSION
AT (xxxxxxxx), RC(rc)**

Explanation

The session at address xxxxxxxx was unchained while processing a disconnect request. If RC is non-zero, then an error occurred; rc further defines this error.

System action

Disconnect processing continues.

User response

None.

**VEBXM000 HISTORICAL DATA INTERFACE
INITIALIZED**

Explanation

CANSM2HD processing has started.

System action

CANSM2HD is establishing a connection with CANSM2.

User response

None.

**VEBXM011 VES xxxxxxxx FAILURE
RC(xxxxxxxx) REASON(xxxxxxxx)**

Explanation

An error occurred which caused the CANSM2HD to terminate. rc and reason further define the error.

System action

The CANSM2HD region is terminated.

User response

Contact IBM Software Support.

**VEBXM080 CANSM2HD TERMINATED BY
STOP COMMAND**

Explanation

CANSM2HD received and accepted a STOP command sent from the main console.

System action

CANSM2HD shuts down normally.

User response

None.

VEBXM090	HISTORICAL DATA INTERFACE CLOSED
-----------------	---

Explanation

CANSM2HD is closing in response to a shutdown received from CANSM2. This occurs only if the CANSM2HD interface has already been established.

System action

CANSM2HD shuts down normally.

User response

None.

VEBXM099	CANSM2HD (KM2992C) FAILED REASON(xxxxxxxx) SESSION(xxxxxxxx) HANDLE(xxxxxxxx)
-----------------	--

Explanation

An error occurred which caused the CANSM2HD to terminate. The reason code further defines the error.

System action

The CANSM2HD region is terminated.

User response

Contact IBM Software Support.

Support information

If you have a problem with your IBM software, you want to resolve it quickly. IBM provides the following ways for you to obtain the support you need:

Online

Go to the IBM Software Support site at <http://www.ibm.com/software/support/probsub.html> and follow the instructions.

Troubleshooting Guide

For more information about resolving problems, see the product's Troubleshooting Guide.

Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785 U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

IBM World Trade Asia Corporation
Licensing
2-31 Roppongi 3-chome, Minato-ku
Tokyo 106, Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement might not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation
224A/101
11400 Burnet Road
Austin, TX 78758 U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

If you are viewing this information in softcopy form, the photographs and color illustrations might not be displayed.

Trademarks

IBM, the IBM logo, and [ibm.com](http://www.ibm.com)[®] are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol ([®] or [™]), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at <http://www.ibm.com/legal/copytrade.shtml>.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.

Privacy policy considerations

IBM Software products, including software as a service solutions, ("Software Offerings") may use cookies or other technologies to collect product usage information, to help improve the end user experience, to tailor interactions with the end user or for other purposes. In many cases no personally identifiable information is collected by the Software Offerings. Some of our Software Offerings can help enable you to collect personally identifiable information. If this Software Offering uses cookies to collect personally identifiable information, specific information about this offering's use of cookies is set forth below.

Depending upon the configurations deployed, this Software Offering may use session cookies that collect each user's user name for purposes of session management, authentication, and single sign-on configuration. These cookies cannot be disabled.

If the configurations deployed for this Software Offering provide you as customer the ability to collect personally identifiable information from end users via cookies and other technologies, you should seek your own legal advice about any laws applicable to such data collection, including any requirements for notice and consent.

For more information about the use of various technologies, including cookies, for these purposes, See IBM's Privacy Policy at <http://www.ibm.com/privacy> and IBM's Online Privacy Statement at <http://www.ibm.com/privacy/details> the section entitled "Cookies, Web Beacons and Other Technologies" and the "IBM Software Products and Software-as-a-Service Privacy Statement" at <http://www.ibm.com/software/info/product-privacy>.

Index

A

agent, monitoring
 see monitoring agent [5](#)
application support [27](#), [28](#)
APSERV command [34](#)
authorizing UNIX commands [34](#)
authorizing z/OS commands [34](#)
AutoMount [36](#)

B

Basic System Services (BSS1) [14](#)
bss1 command [15](#)
buffers, log [26](#)

C

checklist [1](#)
class, UNIXMAP [37](#)
CNMLINK data set [35](#)
CNMSTYLE [34](#)
COFVLFxx member [37](#)
command, APSERV [34](#)
commands
 dynamic tracing [15](#)
 ECHO [26](#)
 RAS1 [14](#), [15](#)
 service console [14](#)
 Service Console [15](#)
 Take Action [34](#)
 TLVLOG [24](#)
communication tracing [10](#), [12](#)
cookies [302](#)
coupling facility workspaces, data missing in [33](#)
cross-product links [28](#), [35](#), [36](#)

D

DASD MVS Devices query [36](#)
DASD MVS Devices workspace [36](#)
data, diagnostic [5](#)
debugging
 communication [10](#)
 empty selection list [28](#)
 usage problems [27](#)
diagnostic data
 analyzing [9](#)
 collecting [5](#)
Distributed Data Server [33](#)
DSIPARM initialization member [34](#)
dynamic workspace links [28](#), [35](#), [36](#)

E

ECHO command [26](#)

enhanced 3270UI no data conditions [40](#)
EZBNMIFR [40](#)

G

GPMSEVER [33](#)

I

IBM Tivoli NetView on z/OS
 APSERV command [34](#)
 authorization of z/OS commands [34](#)
 DSIPARM initialization member [34](#)
IBM Z OMEGAMON Monitor for
 z/OS
 application support [27](#), [28](#)
 log files
 RKLVLLOG [5](#)
 RKLVSnap [5](#)
 RKPDLLOG [5](#)
 installation and configuration problems
 application support [27](#), [28](#)
 Linux [27](#)
 UNIX [27](#)
 Windows [28](#)
IRR66017 message [37](#)
IRRGMAP class [37](#)
IRRUMAP VLF class [37](#)

K

KBB library service [10](#)
KBBENV member [15](#)
KDC_DEBUG environment variable [10](#)
KDSENV member [9](#), [10](#)
KDSENV memeber [36](#)
KDSTMDTE [37](#)
KFWITM081E message [28](#), [35](#)
KFWITM217E [32](#)
KFWITM217E message [31](#)
KGLHC_PPI_RECEIVER [34](#)
KLVIN411 message [15](#)
KM5ENV member [10](#)
KOE_MFSB_MDI [37](#)
KOE_MFSB_MDI parameter [36](#)
KOE_MFSB_TBI [37](#)
KOE_MFSB_TBI parameter [36](#)
KOE_MFSB_WUI [37](#)
KOE_MFSB_WUI parameter [36](#)
KOE04A message [37](#)

L

links, workspace [28](#), [35](#), [36](#)
Linux

- Linux (*continued*)
 - application support [27](#)
 - installation and configuration problems [27](#)
- log buffers [26](#)
- log files
 - IBM Z OMEGAMON Monitor for z/OS [5](#)
 - monitoring agent [5](#)
 - monitoring server
 - z/OS [5](#)
 - persistent datastore [5](#)
 - RKLVLOG [5](#)
 - RKLVSnap [5](#)
 - RKPDLOG [5](#)
 - z/OS [5](#)
- logging
 - storage [13](#)
- logs
 - Tivoli Enterprise Monitoring Server [8](#)
 - Tivoli Enterprise Portal browser client [6](#)
 - Tivoli Enterprise Portal desktop client [7](#)
 - Tivoli Enterprise Portal Server [7](#)
- logs files
 - for distributed components [6](#)

M

- messages
 - format [26](#)
 - KFWITM081E [28](#), [35](#)
 - KLVIN411 [15](#)
- meta-probes [28](#)
- missing data [29](#), [32](#)
- monitoring agent
 - mixed versions [28](#)
 - versions, mixed [28](#)
- monitoring server
 - log files
 - RKLVLOG [5](#)
 - RKLVSnap [5](#)
 - RKPDLOG [5](#)
 - z/OS [5](#)
 - monitoring agent [5](#)
 - trace levels [12](#)
- Monitoring server prolonged startup and potential shutdown [39](#)
- mounted file system [36](#)

O

- OMVS and SNAMGMT errors found in system log on z/OS v2.1 systems [40](#)

P

- PARMGEN
 - setting trace levels [12](#)
- PassTicket [33](#)
- patch levels [9](#)
- pdcollect tool [8](#)
- persistent datastore
 - log files [5](#)
- PPI receiver [34](#)

- predefined situations [35](#)
- predefined workspaces
 - prerequisites for data in [29](#)
- privacy policy [302](#)
- problem determination
 - communication [10](#)
 - data to collect [9](#)
 - defined [1](#)
 - empty selection list [28](#)
 - usage problems [27](#)
- problems
 - conditions for [3](#)
 - locating source [3](#)
 - reproducibility of [3](#)

R

- RACF [40](#)
- RAS1 command [14](#)
- RAS1 trace log mechanism [5](#)
- RAS1 traces
 - KBB library service [10](#)
 - levels [10](#), [12](#), [13](#), [15](#)
 - message format [26](#)
 - output, redirecting [15](#)
 - overhead [9](#)
 - redirecting output [15](#)
 - syntax [11](#)
 - unit [10](#)
 - z/OS [9](#)
- requirements
 - superuser authority [34](#)
- Resource Measurement Facility (RMF) [33](#)
- RKANDATV data set [32](#)
- RKANPARU data set [9](#), [10](#), [15](#)
- RKLVLOG
 - closing [24](#)
 - ending [24](#)
 - monitoring agent [5](#)
 - monitoring server [5](#)
 - opening [24](#)
 - printing to data set [23](#)
 - saving [23](#)
 - starting [24](#)
- RKLVSnap
 - monitoring agent [5](#)
 - monitoring server [5](#)
- RKPDLOG [5](#)
- RMFGAT [33](#)

S

- SDSF Print to Data Set panel [23](#)
- Service Console
 - commands [14](#), [15](#)
 - defined [13](#)
 - starting [13](#)
- situations, predefined [35](#)
- situations, sysplex-level [28](#)
- SNAMGMT [40](#)
- Software Support [299](#)
- SQL errors [31](#)
- staged upgrade [31](#)

- storage logging [13](#)
- submitting problems to Support [9](#)
- symptoms, describing [2](#)
- syntax, RAS1 traces [11](#)
- sysplex proxy [31](#)
- sysplex workspaces [31](#)
- sysplex-level situations [28](#)
- SYSTCPSM [40](#)

T

- Take Action commands [34](#)
- Tivoli Enterprise Monitoring Server
 - log files
 - RKLVLOG [5](#)
 - RKLVSnap [5](#)
 - z/OS [5](#)
 - trace levels [12](#)
- Tivoli Enterprise Portal Server
 - installation and configuration problems [28](#)
- TLVLOG command [24](#)
- tools
 - pdcollect [8](#)
- trace log mechanism [5](#)
- tracing
 - communication [10](#), [12](#)
 - KBB library service [10](#)
 - levels [9](#), [10](#), [12](#), [13](#), [15](#)
 - message format [26](#)
 - monitoring server [12](#)
 - output, redirecting [15](#)
 - overhead [9](#)
 - RAS1 [9](#)
 - redirecting output [15](#)
 - syntax [11](#)
 - Tivoli Enterprise Monitoring Server [12](#)
 - unit [10](#)
 - z/OS [9](#)
- troubleshooting
 - AT-TLS configuration errors [38](#), [39](#)
 - checklist for [1](#)
 - defined [2](#)
 - methods for [2](#)
 - OMVS and SNAMGMT errors found in system log on z/OS
 - v2.1 systems [40](#)
 - tools for [4](#)

U

- unit traces [10](#)
- UNIX
 - application support [27](#)
 - installation and configuration problems [27](#)
- UNIX commands
 - unsuccessful [34](#)
- UNIX System Services
 - superuser authority requirement [34](#)
- UNIX System Services Overview workspace [37](#)
- UNIXMAP class [37](#)
- UnMount [36](#)
- unsuccessful UNIX commands [34](#)
- unsuccessful z/OS commands [34](#)
- usage problems [27](#)

- user interface [28](#)

V

- version numbers [9](#)
- VLF caching [37](#)

W

- Windows
 - application support [28](#)
 - installation and configuration problems [28](#)
- workspaces
 - inconsistent information [33](#)
 - links [28](#), [35](#), [36](#)
 - no rows in a table [33](#)
 - prerequisites for data in [29](#)

Z

- z/OS commands
 - authorization for [34](#)
 - unsuccessful [34](#)
- z/OS Sysplex Enterprise Overview workspace [28](#)
- z/OS v2.1 [40](#)
- zAware error messages [39](#)

