IBM Spectrum Protect for Enterprise Resource Planning
Version 8.1.4

Messages

IBM

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> **Note:**
> Before you use this information and the product it supports, read the information in "Notices" on page 75.

Contents

About this publication

IBM Spectrum Protect™ for Enterprise Resource Planning is an enterprise-wide storage management application for the network. It backs up DB2® SAP systems, Oracle SAP systems, and SAP HANA systems to IBM Spectrum Protect storage.

This publication contains explanations and suggested actions for messages that are issued by IBM Spectrum Protect for Enterprise Resource Planning.

Who should read this guide

The target audience for this guide is system administrators who use IBM Spectrum Protect for Enterprise Resource Planning. In this publication, it is assumed that you have a working knowledge of IBM Spectrum Protect for Enterprise Resource Planning.

Publications

The IBM Spectrum Protect product family includes IBM Spectrum Protect Snapshot, IBM Spectrum Protect for Space Management, IBM Spectrum Protect for Databases, and several other storage management products from IBM®.

To view IBM product documentation, see IBM Knowledge Center.

Chapter 1. Introduction to IBM Spectrum Protect for Enterprise Resource Planning messages

Explanations and suggested actions for messages that are issued by IBM Spectrum Protect for Enterprise Resource Planning are documented.

The format of the messages is explained.

A list of new and changed messages since the previous product modification level is available in the `client_message.chg` file in the installation directory.
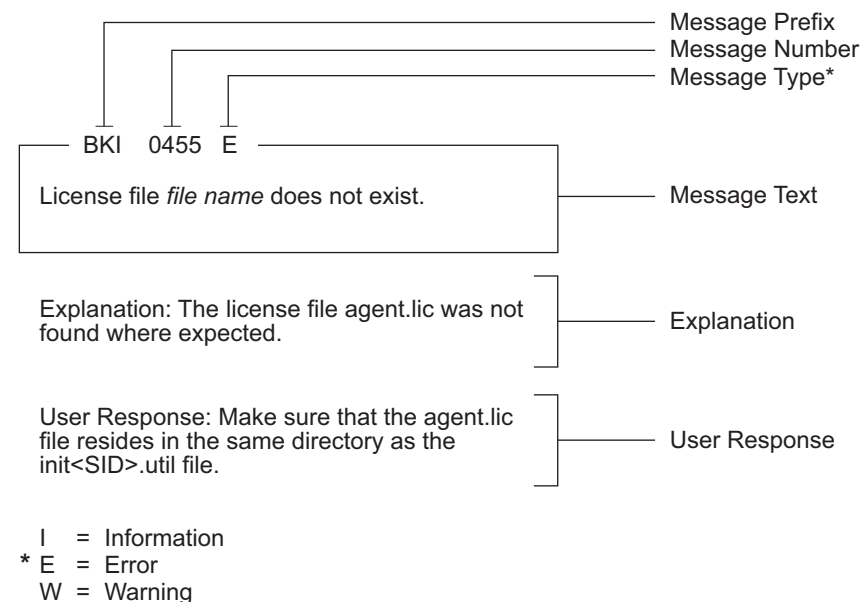
Format of IBM Spectrum Protect for Enterprise Resource Planning messages

IBM Spectrum Protect for Enterprise Resource Planning messages consist of the following elements:

- A three-letter prefix (BKI).
- A numeric message identifier.
- A one-letter severity code, also called the message type.
- Message text that is displayed on screen and written to message logs.
- Explanation, System Action, and User Response texts. These texts elaborate on the message text and are accessible only in documentation. Many messages do not contain System Action text.

The image presents a typical IBM Spectrum Protect for Enterprise Resource Planning message.

The callouts on the right of the image identify each element of the message.

Message Prefix
Message Number
Message Type*

BKI   0455   E

License file *file name* does not exist.   Message Text

Explanation: The license file agent.lic was not found where expected.   Explanation

User Response: Make sure that the agent.lic file resides in the same directory as the init<SID>.util file.   User Response

```
    I  = Information
*  E  = Error
    W  = Warning
```

The severity codes give an indication of the severity of the issue that generated the message. The severity codes and their meanings are as follows:

Code	Severity	Meaning
E	Error	An error is encountered during processing. Processing might stop. User response might be required.
W	Warning	Processing continues, but problems might occur later as a result of the warning.
I	Information	Processing continues. User response is not necessary.

Message variables in the message text are in italics.

Chapter 2. IBM Spectrum Protect for Enterprise Resource Planning messages

IBM Spectrum Protect for Enterprise Resource Planning messages are listed in ascending numerical order. The complete message is documented.

BKI0001E   Profile not specified.

Explanation: Cannot locate the profile.

System action:

User response: Ensure that a profile is available. (Oracle) Note that the BACKINT call must have the following form: backint -p init<SID>.utl .

BKI0004E   Function not defined. [*function* **]**

Explanation: BRTOOLS, BRBACKUP, or BRARCHIVE passed an invalid argument to Data Protection for SAP.

System action:

User response: Ensure that you have the correct version of BR*Tools installed. Valid functions are: -f backup or -f restore or -f password or -f delete or -f inquire.

BKI0005I   Start of program at: *time***.**

Explanation: The operation started at the time denoted.

System action:

User response: None.

BKI0006E   Type for backup not defined [*type* **].
Please use 'file' or 'file_online'.**

Explanation: Data Protection for SAP expects as the backup type parameter only file or file_online.

System action:

User response: If you start Data Protection for SAP manually to do a backup, ensure that the type option (-t) receives the correct arguments (file or file_online). If your Data Protection for SAP has been invoked by one of the SAP database utilities (for example, **BRBACKUP**), ensure that the SAP backup profile init<SID>.sap is customized correctly.

BKI0007E   Mode *mode* **requires the environment
variable** *environment variables* **to be set.**

Explanation: Not all environment variables required have been set. At least *environment variables* are missing.

System action:

User response: Set the missing environment variables.

BKI0008E   The environment variable *name* **is not
set correctly. The current value is "***value***".**

Explanation: The value of the environment variable *name* is wrong.

System action:

User response: Set *name* to an appropriate value.

BKI0009E   The option '*option***' must be specified
after the '-t FAKE' option. This is true
for all fake relevant options.**

Explanation: The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action: Processing ends.

User response: Contact IBM support.

BKI0010E   The option '*option***' contains an invalid
argument**

Explanation: The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action: Processing ends.

User response: Contact IBM support.

**BKI0011E   Semantic errors were detected in the
fake definition: '***definition***'**

Explanation: The attempt by the Administration Assistant to start a backup or restore simulation failed.

System action: Processing ends.

User response: Contact IBM support.

BKI0012I   command: '*command***'**

Explanation: A backup or restore simulation was started by the Administration Assistant. The command line options are shown in the message.

System action: Processing continues.

User response: None.

BKI0020I   End of program at: *time***.**

Explanation: The operation ended at the time denoted.

System action:

User response: None.

BKI0021I   **Elapsed time:** *elapsed time*.

Explanation: The time needed for the complete operation was *elapsed time*.

System action:

User response: None.

BKI0023I   **Time:** *current time* **Done:** *saved bytes* **(***percent***) of** *bytes*. **Estimated end time:** *end time*.

Explanation: Finished saving a specific object at *current time*. The *saved bytes* amount of the total number of *bytes* have been saved. *percent* shows the percentage. This call will be completed at the estimated *end time*.

System action:

User response: None.

BKI0024I   **Return code is:** *return code*.

Explanation: Finished saving a specific object at current_time. The saved_bytes amount of the total number of bytes have been saved. percent shows the percentage. This call will be completed at the estimated end_time.

System action:

User response: For return codes other than 0, check the run log for warnings or error messages.

BKI0027I   **Time:** *current time* **Object:** *current number* **of** *total number* **in process:** *file_name* **Size:** *size*, **management class:** *management class*, **server:** *server name* .

Explanation: Data Protection for SAP started saving *current number* files at *current time*. The total number of files to save is *total number*. The file *file name* is currently being processed. The files are transferred to the IBM Spectrum Protect server *server name*, which stores them in the management class *management class*.

System action:

User response: None.

BKI0032E   **Error opening file** *file name*: *system error description*

Explanation: A system error occurred during opening of the file *file name*. *system error description* describes the error in more detail.

System action:

User response: Read the *system error description*.

BKI0048E   **No password for node** *node name* **on server** *server name* **given on command line.**
When entering passwords in batch mode, you must supply values for all stanzas in the profile.

Explanation: The batch mode of the password function requires a data set for all IBM Spectrum Protect server stanzas in the profile.

System action:

User response: Check the profile for active server stanzas. Use that information and try it again.

BKI0049I   **Enter the password for node** *node name* **on server** *server name*:

Explanation: The password for the node *node name* on the IBM Spectrum Protect server *server name* has to be entered for storing it in the DP for SAP configuration file.

System action:

User response: Enter the password for the corresponding IBM Spectrum Protect server.

BKI0050I   **Enter password for node** *node name* **on server** *server name* **again:**

Explanation: In order to avoid typing errors, you have to enter the password twice.

System action:

User response: Enter the password again.

BKI0051I   **Password successfully verified for node** *node name* **on server** *server name*.

Explanation: The password for the node *node name* on the IBM Spectrum Protect server *server name* was changed successfully.

System action:

User response: None.

BKI0052E   **Password verification for node** *node name* **on server** *server name* **failed.**

Explanation: The password you entered for the node *node name*on the IBM Spectrum Protect server *server name* was wrong.

System action:

User response: Enter the password again. If this error still exists, contact your IBM Spectrum Protect administrator.

BKI0053I   **Time:** *current time* **Object:** *current number* **of** *total number* **complete:** *file name* **with:** *bytes* **saved with description** *object description*.

Explanation: Data Protection for SAP completed saving *current number* file at *current time*. The total number of files to be saved is *total number*. The file *file _name* with the size *bytes* is saved with the description *object description*.

System action:

User response: None.

BKI0054I   **Time:** *current time* **Object:** *current num* **of** *total num* **complete:** *file name* **with:** *bytes* **restored with description** *object description* .

Explanation: Data Protection for SAP completed restoring of *current num* file at *current time*. The total number of files to be restored is *total num*. The file *file name* with the size *bytes* is restored with the description *object description*.

System action:

User response: None.

BKI0055I   **Object** *object name* **with** *size* **saved with description** *description*.

Explanation: The object *object name* was saved successfully.

System action:

User response: None.

BKI0056I   **Object** *object name* **with** *size* **restored with description** *description*.

Explanation: The object *object name* was restored successfully.

System action:

User response: None.

BKI0057I   **Time:** *current time* **Object:** *object name* **with:** *size* **saved with description** *description*.

Explanation: The object *object name* was saved successfully.

System action:

User response: None.

BKI0058I   **Time:** *current time* **Object:** *object name* **with:** *size* **restored with description** *description*.

Explanation: The object *object name* was restored successfully.

System action:

User response: None.

BKI0059E   **Data Protection for SAP cannot find the client options file.**

Explanation: Data Protection for SAP requires a client options file (<server>.opt) for each IBM Spectrum Protect server. The client options files must reside in the same directory. This directory must also contain a client options file "dsm.opt". The environment variable DSMI_CONFIG must specify this directory.

System action:

User response: Set the environment variable DSMI_DIR to the IBM Spectrum Protect API installation path. Set the environment variable DSMI_CONFIG to the path of the client options files.

BKI0060E   **The command parameter** *parameter* **is not recognized.**

Explanation: The command parameter *parameter* is not recognized.

System action:

User response: Check the command syntax and reenter the command.

BKI0061W   **The output file** *file name* **is not valid.**

Explanation: The specified output file *file name* could not be created.

System action:

User response: Check that *file name* is a valid file name on your operating system. Also check that the application has the appropriate permissions to create the file within the specified directory. The directory must already exist. If the file already exists, rename the old one.

BKI0062E   **The input file** *filename* **is not valid.**

Explanation: Unable to read the input file *file name* correctly.

System action:

User response: Check the path and name of the input file and the appropriate file access permission.

BKI0063E   The UTL file *file name* **is not valid.**

Explanation: Unable to read the input file *file name* correctly.

System action:

User response: Check the path and name of the profile (UTL file) and the appropriate file access permission.

BKI0064E   The option '*option***' is not recognized.**

Explanation: The option is not recognized.

System action:

User response: Check the command syntax and reenter the command.

BKI0065E   The argument is missing for option '*option***'.**

Explanation: Every option requires an argument.

System action:

User response: Check the command syntax and reenter the command.

BKI0101I   Enter '*cont***' to continue or '***stop***' to cancel.**

Explanation: If Data Protection for SAP is running in unattended mode (profile keyword BATCH), it terminates the current run if operator intervention is required.

System action:

User response: Enter "cont" or "stop".

BKI0102I   Your reply: '*reply***'.**

Explanation: The reply you made is confirmed.

System action:

User response: None.

BKI0311E   Request canceled by user

Explanation: (Oracle) BACKINT terminated at user's request. (DB2) Program terminated at user's request.

System action:

User response: None.

BKI0328E   IBM Spectrum Protect Snapshot requires at least *amount_required* **of free space in the file system containing** *path***. Available free space:** *amount_available***.**

Explanation: There is less free space in the checked file systems than is required by IBM Spectrum Protect Snapshot.

System action: Processing stops.

User response: Ensure that there is the required amount of free space in the checked file system.

BKI0400I   The process is waiting for BRBACKUP.

Explanation: The process is waiting for BRBACKUP to set a table space in the begin/end backup mode.

System action:

User response: None.

BKI0405I   The process waited *num_sec* **seconds for BRBACKUP in util_file_online communication.**

Explanation: This message indicates the total amount of time the process waited for BRBACKUP to set a table space in "begin backup" or "end backup" mode. The wait time given is the sum of the wait times for all table spaces participating in the backup.

System action:

User response: None.

BKI0410E   Cannot open or delete switch file '*file name***'. Check permissions.**

Explanation: If Data Protection for SAP is not installed correctly (as the root user on UNIX or Linux or administrator group on Windows) then Data Protection for SAP is not able to open the necessary communication file to the SAP system.

System action:

User response: Check the file permission.

BKI0411E   Maximum time waiting for BRBACKUP expired.

Explanation: The SAP database utilities did not respond within the expected time.

System action:

User response: Contact your SAP administrator.

BKI0412E   BRBACKUP wasn"t able to switch requested tablespace in BEGIN/END BACKUP mode.

Explanation: Data Protection for SAP could not continue the backup, because BRBACKUP was not able to switch the requested table space in BEGIN or END backup mode. This is necessary for locking the table space.

System action:

User response: Contact your SAP administrator.

BKI0413E   Error while requesting tablespace switch.

Explanation: BRBACKUP could not switch table space in BEGIN or END backup mode.

System action: Contact your SAP administrator.

User response:

BKI0414E   Error while requesting tablespace switch.

Explanation: BRBACKUP reported an error while trying to switch a table space in BEGIN or END backup mode.

System action:

User response: Contact your SAP administrator.

BKI0452E   This version of Data Protection for SAP(R) has expired.

Explanation: This is a test version that has expired.

System action:

User response: Order a release version of the product or contact your IBM/ Sales Representative.

BKI0453W   This version of Data Protection for SAP(R) will expire in *number* **days.**

Explanation: This is a test version with a time limit. It will expire in *number* days.

System action:

User response: Order a release version of the product or contact your IBM/ Sales Representative before the version expires.

BKI0454I   * This copy is NOT FOR RESALE. ***

Explanation: This version is not for resale.

System action:

User response: None.

BKI0455E   License file *file name* **does not exist.**

Explanation: The license file agent.lic was not found where expected.

System action:

User response: Make sure that the agent.lic file resides in the same directory as the init<SID>.utl file.

BKI0456E   Unable to access license file *file name*.

Explanation: The license file could not be accessed.

System action:

User response: Make sure the access permissions allow read/write access.

BKI0457E   License file *file name* **contains invalid data/checksum.**

Explanation: The license file is invalid.

System action:

User response: Make sure you have the right agent.lic file for the right platform installed. agent.lic files are platform dependent.

BKI0458I   Fake-Mode is activated.

Explanation: This message signals that the current operation is a simulated operation. Simulations can be performed using the Administration Assistant.

System action:

User response: None.

BKI0460E   No mux file is found with the name *name*

Explanation: A mux file is a data structure holding internal metadata needed for restore puposes. Each backup image gets a mux file assigned.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI0461I   Created tracefile 'tracefile**' for process ID '**id**'.**

Explanation: The named trace file has been created.

System action:

User response: None.

BKI1000E   syntax error in line *line* **: '**statement**'**

Explanation: The statement *statement* in the Data Protection for SAP profile is unknown or incorrect.

System action:

User response: Correct the error and try again.

BKI1001E   syntax error in file '*file name*'. Exiting program.

Explanation: A syntax error has been detected in the file *file name* and the action has been halted.

System action:

User response: Correct the error(s) in the file *file name* and try again.

BKI1002E   BACKUPIDPREFIX must be *number_of_characters* characters!

Explanation: The length of BACKUPIDPREFIX must be *number_of_characters* characters.

System action:

User response: Enter a BACKUPIDPREFIX with the required length (for example, SAP___, BKI___).

BKI1003W   Please set *redolog_copies* to a number between *min_copies* and *max_copies a*. Now it is set to *act_copies*.

Explanation: Data Protection for SAP currently supports 1 to 9 copies of offline (redo) log files.

System action:

User response: Adapt the REDOLOG_COPIES settings in the Data Protection for SAP profile.

BKI1004W   ou should specify the BACKUPIDPREFIX before the TRACEFILE statement. So that the BACKUPIDPREFIX can be used in the tracefilename.

Explanation: The BACKUPIDPREFIX is used to build the Name of the tracefile. Therefore, BACKUPIDPREFIX must be specified before the TRACEFILE statement.

System action:

User response: Define a 6-character BACKUPIDPREFIX in the Data Protection for SAP profile (for example, SAP___, BKI___)

BKI1006E   The SERVERNAME must be less than *max_char* characters.

Explanation: You have used a SERVERNAME with more than max_char characters.

System action:

User response: Use a shorter SERVERNAME.

BKI1007E   The NODENAME must be less than *max_char* characters.

Explanation: You have used a NODENAME with more than max_char characters.

System action:

User response: Use a shorter NODENAME.

BKI1008E   The MANAGEMENTCLASSNAME must be less than *max_char* characters.

Explanation: You have used a MANAGEMENTCLASSNAME with more than *max_char characters*.

System action:

User response: Use a shorter MANAGEMENTCLASSNAME.

BKI1009W   Please set MULTIPLEX to a number between 1 and *max_multiplex*. Now it is set to *act_multiplex*.

Explanation: You have set multiplexing to an unsupported number. Data Protection for SAP now uses *act_multiplex*.

System action:

User response: Set multiplexing to a number between 1 and max_multiplex.

BKI1011W   The sortfilename '*sortfile_filename*' should be absolute!

Explanation: None.

System action:

User response: Specify an absolute file name, for example /oracle/C21/dbs/sortfile.

BKI1012E   Configfile not found or permission denied: '*configuration_filename*'.

Explanation: Data Protection for SAP is unable to read the file *configuration_filename*.

System action:

User response: This error could have various reasons, try the following: 1. Check the path of the configuration file. The path must be specified in the profile (parameter CONFIG_FILE). 2. Make sure that the file access permissions are set correctly.

BKI1013E   Profile not found or permission denied: '*profile_filename*'.

Explanation: Data Protection for SAP is unable to open the profile profile_filename.

System action:

User response: (Oracle) Ensure that the SAP backup profile init<SID>.sap contains a valid entry util_par_file for the Data Protection for SAP profile. (DB2) Ensure that the vendor environment file contains a valid entry XINT_PROFILE. Furthermore, this file must be readable by Data Protection for Data Protection for SAP.

BKI1016W   The tracefilename '*file name*' could not be opened for writing!

Explanation: The trace file could not be opened for writing.

System action:

User response: Ensure that you have specified a correct path for the trace file.

BKI1017E   The server *server* is already defined. Please use another name or specify TCP_ADDRESS!

Explanation: The named server was already defined in the profile. Server stanzas with identical names are not allowed unless the keyword TCP_ADDRESS is defined in one of them.

System action:

User response: Update the profile accordingly and try again.

BKI1019E   Failed to respond to a message received from XINT.

Explanation: This messages indicates an internal error.

System action:

User response: Contact IBM Support.

BKI1021E   *component_name* terminates the connection due to a previous error.

Explanation: A serious error has occurred which caused a shutdown of the communication channel between the *component_name* process and this application.

System action:

User response: Look for previous error messages to detect the root cause of the problem.

BKI1022E   *component_name* terminates the connection due to a previous error.

Explanation: See message BKI1021E.

System action:

User response: See message BKI1021E.

BKI1023W   Could not establish connection to log server *log server name*.

Explanation: In the Data Protection for SAP profile, log server log *server name* is specified (keyword LOG_SERVER). However, a connection to the server named could not be established. No log records are sent to the log server.

System action:

User response: • Check that the server name defined with keyword LOG_SERVER is spelled correctly in the Data Protection for SAP profile. • Make sure there is a SERVER section in the profile for the log server defined with keyword LOG_SERVER. • Check the corresponding SERVER section and correct any setup problems. • Make sure that the log server named is available.

BKI1024E   The file *filename* occurs twice in the <infile>

Explanation: The named file name occurs multiple times in the infile which is a violation of the interface specification.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI1081E   Unable to detect the database environment.

Explanation: The operation requires special environment settings, e.g. the database instance owner environment.

System action: Processing ends.

User response: Please run the command as database instance owner.

BKI1158T   Service *service* not completed

Explanation:

System action:

User response:

BKI1201E   There are no IBM Spectrum Protect-Servers available.

Explanation: Data Protection for SAP cannot locate a IBM Spectrum Protect server. This may be due to a configuration problem or to a problem while trying to connect to the IBM Spectrum Protect server. Most probably, a preceding error message points to the cause of the problem.

System action:

User response: Look for and respond to preceding error messages. You may also want to check the Data Protection for SAP profile and the IBM IBM Spectrum Protect client options and client system options files.

BKI1202E   **You must specify either MAX_SESSIONS, or all three specific session options (MAX_ARCH_SESSIONS, MAX_BACK_SESSIONS, and MAX_RESTORE_SESSIONS).**

Explanation: Information on the number of IBM Spectrum Protect client sessions to be established by Data Protection for SAP is missing from the profile.

System action:

User response: In the Data Protection for SAP profile, either specify a value for keyword MAX_SESSIONS, or specify values for the three specific session parameters (MAX_ARCH_SESSIONS, MAX_BACK_SESSIONS, and MAX_RESTORE_SESSIONS). Any of the specific options can be specified in combination with MAX_SESSIONS. Then, it overrides the value of MAX_SESSIONS for the specific function.

BKI1203E   **Not enough sessions available (*sessions* required and *max_sessions* available).**

Explanation: The sum of available sessions specified in the various server statements (parameter SESSIONS) does not cover the required number of sessions (parameter MAX_SESSIONS).

System action:

User response: Change the values of the corresponding parameters in the Data Protection for SAP profile, so that the condition mentioned in the explanation is fulfilled.

BKI1205E   **If you want *num_redo* REDOLOGCOPIES you should give me at least *num_mc* different Archive Management Classes.**

Explanation: Data Protection for SAP requires that the number of different Archive Management Classes (parameter BRARCHIVEMGTCLASS) on the IBM Spectrum Protect servers is equal to or greater than the number of redo log or log file copies (parameter REDOLOG_COPIES).

System action:

User response: Define at least as many different Archive Management Classes as log file copies requested.

BKI1206W   **If you want *num_redo* REDOLOGCOPIES you should give me at least *num_mc* different Archive Management Classes.**

Explanation: The message appears during a BRBACKUP run. A BRARCHIVE run afterwards would fail.

System action:

User response: Define at least as many different Archive Management Classes as log file copies requested.

BKI1207E   **Directory backup not supported.**

Explanation: This option is not yet available.

System action:

User response: Wait for a future release of Data Protection for SAP, which supports this option.

BKI1208W   **Retrying object: '*file name*'. Retry count: [*retry_num*].**

Explanation: An error occurred while processing object *file name*. Data Protection for SAP is repeating the action according to the number of retries specified in the profile. *retry_num* is the current retry count.

System action:

User response: If the problem persists check for and respond to preceding error messages.

BKI1209E   **Object not found or not accessible: '*objectname*'.**

Explanation: The object cannot be located.

System action:

User response: The backup integrity is affected. Contact SAP or IBM Support.

BKI1210E   **Input file not found or not accessible: '*file name*'.**

Explanation: Data Protection for SAP cannot locate the temporary file named. This file contains the list of Oracle objects to be backed up or restored. It is passed to Data Protection for SAP by one of the BR*Tools utilities.

System action:

User response: Ensure that you have the correct version of BR*Tools installed. For details, check with the release notes (RELNOTE).

BKI1211E   There is something wrong with your CONFIG_FILE '*file name***'.**

Explanation: There is a problem with your Data Protection for SAP configuration file setup.

System action:

User response: Check the file permission and the file name specified in the Data Protection for SAP profile keyword CONFIG_FILE.

BKI1212W   The file '*file name***' is not found in the manual sorting file.**

Explanation: The file you want to back up was not found in the manual sorting file.

System action:

User response: Check and correct the manual sorting file so that it contains all the files you are backing up.

BKI1214E   Error for session to server *server name***:** *error text*

Explanation: An error occurred from one of the IBM Spectrum Protect Servers.

System action: Processing for the IBM Spectrum Protect Server specified stops. Processing on other servers continues.

User response: Check the *error text* and IBM Spectrum Protect Server name stanza in the profile file for the *server name* specified in the error.

BKI1215I   Average transmission rate was *gb per hour* **GB/h (***mb per second* **MB/sec).**

Explanation: The average transmission rate is displayed.

System action:

User response: None.

BKI1216E   There are no backup management classes available.

Explanation: The BRBACKUPMGTCLASSES you have specified in your init<SID>.utl file are not correct.

System action:

User response: Check the management classes on the IBM Spectrum Protect server and specify correct ones.

BKI1217E   There are no archive management classes available.

Explanation: The BRARCHIVEMGTCLASSES you have specified in your init<SID>.utl file are not correct.

System action:

User response: Check the management classes on the IBM Spectrum Protect server and specify correct ones.

BKI1218E   Environment variable TEMP not set

Explanation: The required environment setup is incomplete.

System action:

User response: Set the environment variable TEMP and try again.

BKI1222E   Version mismatch error. Please check setup (*version_1:version_2***).**

Explanation: Different components with inconsistent versions are used.

System action:

User response: Check your setup or contact IBM Support.

BKI1223W   A Problem occurred during send of performance data to the Administration Assistant.

Explanation: There was a problem sending the performance data to the Administration Assistant over the network.

System action:

User response: Check your setup or contact IBM Support.

BKI1224W   Unable to initialize connection to Administration Assistant.

Explanation: No operational data could be sent to the Administration Assistant during database backup or restore.

System action:

User response: Check the logs for further information and try again.

BKI1227I   Average compression factor was *number***.**

Explanation: The data transferred had been compressed by the factor *number*.

System action:

User response: None.

BKI1229E   Value for parameter BUFFSIZE (actual *cur_number***, maximum** *max_number***) is too large for BUFFCOPY mode PREVENT.**

Explanation: To utilize the BUFFCOPY mode PREVENT the value for the parameter BUFFSIZE must

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not be larger than max_number.

System action:

User response: In the Data Protection for SAP profile, specify a BUFFSIZE less or equal to *max_number* if you need to prevent copying buffers when passing data between IBM Spectrum Protect components. If you need large buffers you can set option BUFFCOPY to SIMPLE or AUTO. As a consequence, buffers are copied when data is passed between IBM Spectrum Protect components.

BKI1230E   The following file was not processed: *path***.**

Explanation: The operation was terminated due to a previous error. As a consequence, the file named could not be processed. The cause of the error should be found in an earlier message.

System action:

User response: Check for and respond to preceding error messages.

BKI1231E   Maximum number of retries for file *filename* **exceeded.**

Explanation: The number of retries configured in the profile keyword 'FILE_RETRIES' for the named file were reached.

System action:

User response: Check the logs for further information about the root cause of the retries. Resolve these issues and perform the operation again.

BKI1505E   Operation aborted because a different operation by this database client is already running.

Explanation: Different concurrent operations of the same type were started for the same database. This is not supported. The current operation is aborted. This message is also issued when a cooperative operation of two or more participating partitions was started, but the profile settings used for the various partitions do not match.

System action:

User response: Wait until the currently running operation has ended and try again. Make sure that multiple operations are not started concurrently for a database. If this is a cooperative operation with two or more participating partitions, check that the profile settings of the various partitions (for example, DEVICE_TYPE, MAX_VERSIONS, etc.) do not differ. If they do, fix the profile settings, cancel the current operation, and start the operation again. Also, investigate the possibility of sharing the same profile among all partitions.

BKI1506E   Error: '*description***' on host '***hostname***' while executing command '***command***'.**

Explanation: The system tried to execute the command cited. During execution, an error occurred. The output received from the command shell is listed following the message.

System action:

User response: Determine the cause of the problem from the command and the output listed in the message, and resolve the problem.

BKI1507E   The process needs to run with root authority.

Explanation: The current process requires root authority.

System action:

User response: Start the process under an account with root authority.

BKI1508E   The service *service_name* **has terminated due to a previous error. Please check all logs for additional information.**

Explanation: The cited service is no longer available.

System action:

User response: Check the appropriate logs for the cause of its termination.

BKI1509E   Authentication failure. The password specified is not authorized for accessing *component***. Please verify that the passwords specified in the password files on the different production and backup/cloning systems are correct.**

Explanation: To access the named component, a password is required. However, the password provided could not be verified.

System action:

User response: Make sure that the password files used by the different components of the system match.

BKI1510I   New connection received from host *hostname***.**

Explanation: The server received a new connection request.

System action:

User response: None.

BKI1512E   **An error occurred during shutdown:** *Error information*

Explanation: During shutdown of the component, a problem occurred. The error information is given.

System action:

User response: Resolve the problem indicated by the error information.

BKI1513I   *******> Database client connected: instance** *instance*, **database** *database_namepartition_numbernodename*

Explanation: This message follows a message BKI1511I and indicates the connection of one of the database clients taking part in the operation. A database client is an instance of the snapshot backup library representing a single partition of the database.

System action:

User response: None.

BKI1514I   *******> Device client connected.**

Explanation: This message follows a message BKI1511I and indicates the connection of one of the device clients taking part in the operation. A device client is an instance of the device agent for the storage device.

System action:

User response: None.

BKI1515I   **Client is logging to** *file_name*

Explanation: The client's log messages are written to the indicated file.

System action:

User response: None.

BKI1516I   **Deleting container** *container*.

Explanation:

System action:

User response:

BKI1517I   **Deleting target data container defined by** *container_description*.

Explanation: The data in the container indicated is removed.

System action:

User response: None.

BKI1518E   **Internal error: The system is trying to use the same device agent, although the synchronization mode is not PARALLEL.**

Explanation: The system has been told to use the same device agent for multiple database clients, but the database indicated serial synchronization mode. This setup is not supported.

System action:

User response: Contact your IBM support personnel.

BKI1519E   **A failure occurred during initialization of one or more of the nodes participating in this operation. Please check the logs for more information.**

Explanation: Some problem occurred during the initialization of a new operation. The problem may be with any component required for this operation.

System action:

User response: Check the acsd log file for messages BKI1515I to determine the log file names of the participating agents. Check the log files of each component for the cause of the problem.

BKI1520E   **Volume** *volume_name* **is shared across partitions. Volume sharing is not allowed.**

Explanation: At least two partitions own data residing on the volume indicated. This setup is not supported.

System action:

User response: With the current disk layout of the database, the requested function cannot be used. If you want to use the function, change the disk layout of the database so that each data volume is dedicated to a partition.

BKI1521I   **Retaining** *number* **backups**

Explanation: When enforcing profile parameter MAX_VERSIONS, the indicated number of backups is kept.

System action:

User response: None.

BKI1522E   **The requested meta-information (subject="***description***") is not available.**

Explanation: Some meta-information about each backup is stored in the repository. An error occurred when trying to retrieve part of this information.

System action:

User response: Contact your IBM support personnel.

BKI1523W **Warning: The following containers were reused without being explicitly released:** *description*

Explanation: The containers defined by the description are used by the current backup. They were used before by a different backup. This message is expected in SAN environments where data containers are usually kept until they are reused. In this case, this message does not indicate a problem.

System action:

User response: None.

BKI1525E **The process** *service_name* **is in an inconsistent state. Please check for previous errors and restart the process afterwards.**

Explanation: The process indicated cannot continue with inconsistent data.

System action:

User response: Check the logs for messages pointing to the cause of the inconsistency. After resolving any problems, restart the process.

BKI1526E **A configuration file (profile) must be provided.**

Explanation: An operation was started without providing a profile.

System action:

User response: Check the user documentation on how to provide the profile to the current process. Start the process again using a valid configuration file.

BKI1529E **The device '***device_type***' is not supported by the wizard.**

Explanation: The device type represents a certain type of storage device. While using the setup wizard, a device type was entered that is not supported by the current version of the wizard.

System action:

User response: Refer to your user documentation for a list of the device types that are supported by default. Specify one of the supported types.

BKI1530E **Failed to launch the device agent for** *device_type***. Please consult your user documentation to make sure that all requirements for the specified device are met.**

Explanation: The system was unable to launch the appropriate device agent for the type indicated because some of its requirements are not met.

System action:

User response: Refer to your user documentation and make sure that the system is set up correctly for the specified device type.

BKI1534E **Unexpected version** *actual_version* **of the repository located at** *path***. Expected version:** *supported_version*

Explanation: The server located the repository in the path indicated. However, the version of the repository located on disk does not match the current version of the server.

System action:

User response: Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

BKI1535E **Unexpected characteristics (bitwidth=***bitwidth repository***) of the repository located at** *path***. Expected bitwidth:** *bitwidth expected*

Explanation: The repository located in the path indicated was saved to disk using a bit width different from the bit width the server is using to load the repository.

System action:

User response: Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

BKI1536E **The repository located at** *path* **is not valid.**

Explanation: A repository could not be found at the location indicated by *path*.

System action:

User response: Ensure that the path of the repository was specified correctly. Do not edit any files in the repository *path*.

BKI1537E **The repository located at** *path* **was written with an incompatible protocol (***protocol_version incompatible***). Expected protocol:** *protocol_version expected*

Explanation: The repository found at the location indicated was written to disk using the protocol version named. However, the server currently supports the expected protocol version.

System action:

User response: Ensure that the path of the repository

was specified correctly. Do not edit any files in the repository path.

BKI1538E   Unexpected repository type. The path '*path*' does not point to a repository of type "*protocol_type*".

Explanation: The repository located in the path indicated was written to disk using a protocol different from the protocol supported by the server process.

System action:

User response: Make sure to use the correct instance of the server. Ensure that the path of the repository was specified correctly. Refer to the release notes for a list of possible incompatibilities.

BKI1539E   Root privileges required. Could not change user ID to root.

Explanation: The requested operation requires root privileges. However, the process could not acquire them.

System action:

User response: Make sure the appropriate privileges (s-bit) are granted to the executable.

BKI1540E   /etc/inittab entries are limited to 127 characters. Please consult your user documentation for information on manually completing the installation procedure.

Explanation: The command line generated by the setup function exceeds 127 characters. This situation requires user intervention. The setup function did not update /etc/inittab.

System action:

User response: Refer to your user documentation for information on what entries to add to /etc/inittab.

BKI1541E   /etc/inittab was not updated because some of the processes have apparently been added. Please re-run the setup after calling the setup script with option '-a disable' if you want to change to a standard setup.

Explanation: During the automatic setup, entries for this product were detected in /etc/inittab. This is an indication that the product was not previously uninstalled.

System action:

User response: Run the setup with option '-a disable' and then start the installation process again. If the entries in /etc/inittab should be retained, refer to your user documentation for information on how to

complete the installation manually.

BKI1542E   Failed to uninstall because some of the processes to be uninstalled are still listed in /etc/inittab. Please re-run the setup after stopping the component by calling the setup script with option '-a stop'.

Explanation: Before uninstalling the product, the affected processes must be stopped. This is done by running the setup script with the option '-a stop', which will remove the entries from /etc/inittab and stop the processes.

System action:

User response: Refer to your user documentation for information on the uninstall process. Run the setup with the option '-a stop' and then continue uninstalling.

BKI1543E   The component is still referenced within the /etc/inittab. In order to terminate the component re-run the setup script with option '-a stop'.

Explanation: The setup utility detected that the product is still active in the system. Apparently, its entries in /etc/inittab are not yet removed.

System action:

User response: Call this process again with the option '-f stop'.

BKI1544E   New entries cannot be added to /etc/inittab because it already contains too many entries starting with 'ac'. Please refer your user documentation for a manual setup of this package.

Explanation: During setup, an unusually high number of entries beginning with 'ac' were detected in /etc/inittab. /etc/inittab was not modified.

System action:

User response: Determine if these entries are expected, or if they were added due to a problem. If these entries are required, refer to your user documentation for information on how to complete the installation manually.

BKI1545E   *oldprod* is currently running.

Explanation: This failure happens during (de)installation and indicates that not all IBM Spectrum Protect Snapshot components could be stopped.

System action:

User response: Check that no backup or restore is currently running and retry the operation. If you have customized the process of starting IBM Spectrum

Protect Snapshot, it might be necessary to manually stop it by undoing those customization steps.

BKI1546E   *IBM product name* **was not started.**

Explanation: This failure happens during installation and indicates that not all IBM Spectrum Protect Snapshot components could be started successfully.

System action:

User response: Check that all IBM Spectrum Protect Snapshot components have the appropriate access rights and retry the operation. Contact the support function if the operation continues to fail.

BKI1547E   **Failed to remove the data associated with the deleted backup** *backup_id***.**

Explanation: The backup named was deleted. However, its data could not be removed from the repository and from the storage device.

System action:

User response: Look for a previous message pointing to the cause of the problem. Resolve any problems indicated there. Once the cause of this problem is resolved, the daemon will take care of the deleted backups eventually.

BKI1548E   **Failed to monitor the data associated with the deleted backup** *backup_id***.**

Explanation: A background daemon is supposed to monitor the states of backups in order to determine if data needs to be deleted from the storage device. However, the monitor was not able to access the appropriate data.

System action:

User response: Look for a previous message pointing to the cause of the problem. Resolve any problems indicated there. Once the cause of this problem is resolved the daemon will take care of the deleted backups eventually.

BKI1549E   **Failed to load** *component_name*

Explanation: The system was unable to load the named component of the product.

System action:

User response: Contact IBM Support.

BKI1553I   *Component_name* **is logging to** *path*

Explanation: The file denoted is the log file of the named component.

System action:

User response: If you need to check the log of the

indicated component, look for this message to identify the log file to examine.

BKI1554W   **The agent '***component_name***' terminated with exit code** *number***.**

Explanation: The process denoted ended with the given exit code.

System action:

User response: Check the agent's log for any messages pointing to a problem. Resolve any problem indicated.

BKI1555I   **Profile successfully created.**

Explanation: The profile wizard created a new profile.

System action:

User response: The setup script recognizes components being restarted so that the new settings become active..

BKI1556E   **Some data of backup** *backup_id* **are unavailable. It is impossible to restore the data requested.**

Explanation: The system detected that some of the data originally contained in the backup is no longer available. The occurrence of this message depends on the type of storage device employed. For example, if an earlier backup data was restored from an N-Series device, some data of a later backup will be destroyed.

System action:

User response: The backup is no longer complete and cannot be used for the requested operation. Try the operation with a different backup.

BKI1557I   **Device client is logging to** *path*

Explanation: The device agent's log messages are written to the file named.

System action:

User response: None.

BKI1558E   **There are no mount agents registered for participant(s)** *participant_list*

Explanation: During a snapshot backup run, IBM Spectrum Protect Snapshot detected that for the listed participant(s) no IBM Spectrum Protect Snapshot device agent was started with the "force mount" (-F) option. Typically, a participant corresponds to a DB2 partition. The current snapshot backup run will be deleted.

System action:

User response: Make sure that for each participant (DB2 partition) a IBM Spectrum Protect Snapshot

device agent is started with the mount force option (-M) on the offload system.

BKI1559E **The data container: '***data_container***' failed to mount. Check the summary log file for further error messages.**

Explanation: During a snapshot backup or cloning operation, IBM Spectrum Protect Snapshot could not mount the specified data container to the backup or cloning system.

System action: Processing stops.

User response: Check the IBM Spectrum Protect Snapshot summary log file for further error messages, and fix the errors. Restart the operation after the problem is corrected.

BKI1560E **One or more snapshots could not be mounted to the backup or cloning system. Check the summary log file for further error messages.**

Explanation: During a snapshot backup or cloning operation, IBM Spectrum Protect Snapshot could not mount all snapshots successfully to the backup or cloning system.

System action: Processing stops.

User response: Check the IBM Spectrum Protect Snapshot summary log file for further error messages, and fix the errors. Restart the operation after the problem is corrected.

BKI1561E **Profile name *profile_name* does not point to a file.**

Explanation: The profile specification should be a fully qualified filename. Otherwise, it is assumed to be relative to the current directory of the command that issues the message, which may not be the desired directory.

System action:

User response: Correct the name.

BKI1562E **Deleting the backup as requested is impossible while any part of it is mounted.**

Explanation: A request was sent to delete a backup. However, some parts of the backup were still mounted. Presumably, a restore operation or an off-loaded tape backup is pending or in progress. Please note that an offloaded tape backup requires the snapshot backups of all partitions of the database.

System action:

User response: Wait until the operation in progress has ended, then issue the delete request again.

BKI1563I **The snapshot backup defined by timestamp *timestamp* for instance *instance*, database *database_name*, and partition *partition_number* cannot be restored.**

Explanation: This message appears when backups are queried for a restore. It indicates that a snapshot backup was encountered that is not in a restorable state. For example, snapshot backups created with a FLASHCOPY_TYPE of NOCOPY are not restorable. When queried for restore, unrestorable snapshot backups are not returned to the caller and therefore cannot be selected for restore.

System action:

User response: None.

BKI1564W **Backup *id* is marked for deletion. You need to unmount before it can be physically deleted.**

Explanation: A snapshot backup with the named id can only be deleted if all of its assigned file systems are unmounted successfully.

System action:

User response: Issue the offload agent with the command '-f unmount'. After all resources are freed, the deletion of the snapshot backup will be started.

BKI1568I **Removing backup *backup_id* from the repository because it has not been found on the storage device during reconciliation.**

Explanation: During reconciliation the backup with id *backup_id* has not been found on the storage device. Therefore it is deleted from the repository to keep the repository and the valid backups on the storage in sync.

System action:

User response: None.

BKI1569I **Updating backup *backup_id* in the repository because some data was not found on the storage device during reconciliation.**

Explanation: Backup data with the identifier *backup_id* is no longer available on the storage device. Depending on storage device settings, the space from older backups might be reused to create new backups. This information is updated in the IBM Spectrum Protect Snapshot repository.

System action: Processing continues.

User response: None.

BKI1570W **The following container could not be deleted from the storage box during reconciliation:** *volume_name*.

Explanation: The volume *volume_name* could not be deleted from the storage box. It is not needed anymore because there is no corresponding backup in the repository.

System action:

User response: Ignore the warning or try to delete the volume from the storage device manually.

BKI1571W **The specified value for '***recon_interval***' is 0. Be aware that every time a background monitor is started a reconcile will be scheduled so that other background operations will never be scheduled. This should be used for testing purposes only.**

Explanation: If RECON_INTERVAL is 0 every time a background monitor is started it will start reconciliation. Other background operations as deletion or monitoring will never be scheduled.

System action:

User response: Change RECON_INTERVAL to a value greater than 0 if you want to avoid this behavior.

BKI1572I **Starting reconciliation for device class '***device_class_name***'**

Explanation: The reconciliation will be started for the device class *device_class_name* of the profile.

System action:

User response: None.

BKI1573I **The container '***volume_name***' has been successfully deleted from the storage box. It didn't belong to any backup in the repository.**

Explanation: The volume *volume_name* has been successfully deleted from the storage box during reconciliation because it didn't belong to any backup in the repository.

System action:

User response: None.

BKI1580E **Specifying a target volume serial number is mandatory for parameter 'TARGET_VOLUME'.**

Explanation: The parameter 'TARGET_VOLUME' expects three values being defined. If these are not present this error occurs.

System action:

User response: Specify the following values for parameter 'TARGET_VOLUME': <target volume serial number> <source volume serial number> <source volume size>. Only the first value is mandatory. If source volume information is omitted, dashes must be entered in both fields as placeholders. Examples: TARGET_VOLUME 401FCA90 40EFCA90 Size=2.0_GB TARGET_VOLUME 401FCA909 - -

BKI1581E **Error while parsing parameter TARGET_VOLUME** *target volume param* **in volumes file: the parameter TARGET_VOLUME allows at most three parameters.**

Explanation: The parameter 'TARGET_VOLUME' expects three values being defined. If there are more this error occurs.

System action:

User response: Correct the specified values for parameter 'TARGET_VOLUME' according to this pattern: <target volume serial number> <source volume serial number> <source volume size>. Only the first value is mandatory. If source volume information is omitted, dashes must be entered in both fields as placeholders. Examples: TARGET_VOLUME 401FCA90 40EFCA90 Size=2.0_GB TARGET_VOLUME 401FCA909 - -

BKI1582I **The target set** *target set* **will be used for the current backup.**

Explanation: IBM Spectrum Protect Snapshot allows to define target sets by a target set definition file (SVC and DS8000) or by a certain naming convention by that IBM Spectrum Protect Snapshot determines the name of the target from the name of the source volume and the name of the target set to be used for the current operation (SVC only). This message reflects which target set is applied for the current snapshot backup based on the given conditions.

System action:

User response: Specify means of target set selection by the profile parameter 'TARGET_SETS' and a target set definition file.

BKI1583W **Backup agents were requesting incompatible IBM Spectrum Protect backup options. The composed states are: '***states***'.**

Explanation: A backup of a partitioned database was attempted. Offloaded backups to IBM Spectrum Protect use options that are different from options used with the partition backup. However, IBM Spectrum Protect backup options for all partitions should be identical. This can occur when different device classes are used to back up different partitions, and those device classes are associated with different IBM Spectrum Protect

backup options. The product automatically determines the correct IBM Spectrum Protect backup options for this operation to prevent a failure.

System action: The operation continues with warning.

User response: Update the configuration so that all partitions use the same IBM Spectrum Protect backup options during future operations.

BKI1586E   Not enough sessions available.

Explanation: The sum of available sessions specified in the various server statements does not cover the required number of sessions.

System action: Processing ends.

User response: Change and adapt the values of the corresponding parameters in the IBM IBM Spectrum Protect for Enterprise Resource Planning profile.

**BKI1588E   The master password you provided does not meet the minimum complexity requirements.
Acceptable master passwords are a minimum of *minlength* characters and must contain at least one number and one letter.**

Explanation: For security reasons, the master password must meet minimum length and complexity requirements. The master password must be a minimum of 8 characters and must contain at least one number and one letter. The use of special symbols increases the strength of the password.

System action: The password you provided is not adopted.

User response: Define a strong password that meets the minimimum length and complexity requirements.

BKI2000I   Successfully connected to *component_name* on port *portnumber*.

Explanation: One of the Data Protection for SAP modules BACKINT or theThe backup library libtdp_r3 initiated a successful connection to the background process *component_name* on port *portnumber*.

System action:

User response: None.

BKI2001E   Socket error while connecting to *component_name* at *host*: *reason*.

Explanation: The background process *component_name* is not running.

System action:

User response: Start *component_name* manually and try again.

BKI2003I   File *file_name BID* deleted.

Explanation: The file *file_name* with the backup ID <BID> was deleted from the IBM Spectrum Protect.

System action:

User response: None.

BKI2004E   Socket error while listen to port *port number* - error: *error text*.

Explanation: The application was unable to listen to the port specified.

System action: Processing stops.

User response: Check if the process was already started. Do not start a second instance of the same process. Check if the port specified is in use by another application and specifiy a different port number.

BKI2007E   Unknown Port: *port*

Explanation: The port specified for communication between *component_name* and BACKINT or the backup library is unknown.

System action:

User response: Check the port value specified when *component_name* was started. Additionally, check the environment variable PROLE_PORT for the BACKINT environment. These two values must match.

BKI2008E   Unable to connect to *component_name*.

Explanation: Internal error.

System action:

User response: Contact IBM Support.

BKI2009I   Deleting backup *version_number* and all older backups.

Explanation: All full database backups and their corresponding log file backups will be deleted from IBM Spectrum Protect storage, if their version number is less than or equal to *version_number*.

System action:

User response: None.

BKI2010E   Error occurred processing FRONTEND.

Explanation: An error occurred during the frontend processing.

System action:

User response: Check the frontend script/program and the settings in the Data Protection for SAP profile (keyword FRONTEND) and try again.

BKI2011E   **Error occurred processing BACKEND.**

Explanation: An error occurred during the backend processing.

System action:

User response: Check the backend script/program and the settings in the Data Protection for SAP profile (keyword BACKEND) and try again.

BKI2012E   **The specified user name or password is not correct, authentication failed.**

Explanation:

System action:

User response: Enter the correct user name and password.

BKI2013I   **Starting FRONTEND program.**

Explanation: The frontend program is executing.

System action:

User response: None.

BKI2014I   **FRONTEND program finished.**

Explanation: The frontend program is finished.

System action:

User response: None.

BKI2015I   **Starting BACKEND program.**

Explanation: The backend program is executing.

System action:

User response: None.

BKI2016I   **BACKEND program finished.**

Explanation: The backend program is finished.

System action:

User response: None.

BKI2017I   **Blocksize is set to** *num_bytes* **bytes**

Explanation: The operational blocksize is *num_bytes* bytes.

System action:

User response: None.

BKI2022E   **Unable to change mode of file** *file name*: *description*

Explanation: Unable to change mode of file *file name*. *description* may contain the system error text.

System action:

User response: Check the *description*. If the error persists, contact your service representative.

BKI2024E   **Error in connection to** *component_name*.

Explanation: The connection to *component_name* terminated unexpectedly. This message might be displayed due to previous errors or after an unexpected termination of the *component_name* process.

System action:

User response: Check for other error messages and restart *component_name* if necessary. Try again. If the problem persists, contact IBM Support.

BKI2025E   **Failed to respond to a message received from** *component_name*.

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

BKI2026E   **Unexpected exception in handler:** *handler*.

Explanation:

System action: This is an internal error.

User response: Contact IBM Support.

BKI2027I   **Using IBM Spectrum Protect-API version** *your API version* **(compiled with** *compiled with version***).**

Explanation: Version information about the IBM Spectrum Protect-API.

System action:

User response: None.

BKI2028W   **Unable to terminate a session due to the following error:** *session*.

Explanation: This is an internal error during cleanup that has no effect on the success of the service.

System action:

User response: None.

BKI2029E   **Could not instantiate the buffer allocator because of the following incompatibility issue:** *expression***.**

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

BKI2031E   **A buffer allocator cannot simultaneously satisfy all of the following properties:**
list of properties

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

BKI2033E   **Cannot instantiate allocator of type** *allocator type* **with the following additional properties:**
list of properties

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

BKI2913I   **The version delete setting is configured to retain** *number* **backup generations. Checking for expired backups.**

Explanation: The profile parameter MAX_VERSIONS is configured to retain *number* backup generations. Data Protection for SAP is checking if surplus backups exist.

System action: Processing continues.

User response: None.

BKI4000W   **The attributes of file '***file name***' cannot be restored. Reason: errno(***error_num***)** *error_desc***.**

Explanation: The file *file name* was restored successfully but one or more file attributes (permission, ownership, date/time) of the file *file name* cannot be restored correctly.

System action:

User response: Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future. An initial solution could be to set the appropriate correct permission for the file *file name* manually.

BKI4001E   **File '***file name***' cannot be created. Reason: errno(***error_num***)** *error_desc*

Explanation: The file *file name* to be restored could not be created/written. It is possible, that you do not have the appropriate rights for writing the file *file name* to the destination path.

System action:

User response: Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future. Furthermore, check the write permission of the user who started the restore.

BKI4002E   **Error during write of file '** *file_name***'. Reason: errno(***error_num***)** *error_desc*

Explanation: An error occurs during the restore process of the file *file name*.

System action:

User response: Check the error number *error_num* and the error description *error_desc* to avoid this problem in the future.

BKI4005E   **Error allocating memory block for file** *file name***. BLOCKSIZE may be too large.**

Explanation: Unable to request new memory blocks during the backup of file *file name*.

System action:

User response: Verify that you have set a valid value for BLOCKSIZE. If you are not sure what value is valid, comment it out so the default value is used. Furthermore, you can check if you have enough RAM available with your machine. Also, check the memory usage during backup. It may be necessary to stop another application, increase memory, or change the configuration.

BKI4007E   **File '***filename***' cannot be read Reason: errno(***error_num***)** *error description*

Explanation: Data could not be read due to some system error. Check *error description* for further information. If this error recurs, this might indicate some hardware problems.

System action:

User response: Contact your system administrator.

BKI4008E   **File '***filename***' cannot be opened. Reason: errno(***error_num***)** *error_text*

Explanation: Could not open the file *file name* due to some system specific problems.

System action:

User response: Contact your system administrator.

BKI4009E **Not enough space to write File '*filename*'. Possible reasons: disk full or ulimit exeeded.**

Explanation: The system rejected a request to write data into file *file name*. The storage media might not have enough free space to keep the file or the system rejected writing the file due to administrative resource constraints such as ulimits.

System action:

User response: Contact your system administrator.

BKI4010E **SAP requires the file *filename* to be a regular file.**

Explanation: To be able to support SAP environments the named file has to be a regular file.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI4011W **The backup device type (*filetype backup devicetype backup devsubtype*) differs from the restore device type (*filetype restore descr1 descr2*) for *name*.**

Explanation: A mismatch between the device types during backup and restore was detected.

System action:

User response: Check the logs for further information

BKI4012E **Unexpected EOF for file '*filename*' after reading *number* Bytes.**

Explanation: The end of file was reached unexpectedly.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI4013I **CreateFile() with dwFlagsAndAttributes='*attribute*'.**

Explanation: A file with the nmed attribute was created.

System action:

User response: None.

BKI4014E **File '*filename*' cannot be accessed. Reason: errno<(*number*) *errormsg***

Explanation: A named file could not be accessed either for reading or writing.

System action:

User response: Check the file permissions and if necessary adjust them accordingly. Try again.

BKI5000E **IBM Spectrum Protect Error:** *error_message*

Explanation: During a connection of Data Protection for SAP to IBM Spectrum Protect server, a IBM Spectrum Protect error *error_message* occurred.

System action:

User response: Use the IBM Spectrum Protect Messages guide and correct the IBM Spectrum Protect server error. Try your last action again.

BKI5001E **IBM Spectrum Protect Error:** *error_message*

Explanation: During a connection of Data Protection for SAP to IBM Spectrum Protect server, a IBM Spectrum Protect error *error_message* occurred.

System action:

User response: Use the IBM Spectrum Protect Messages guide and correct the IBM Spectrum Protect server error. Try your last action again.

BKI5002E **IBM Spectrum Protect Error during inquire of mux file *backup_id*:** *error_message*

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5003E **IBM Spectrum Protect Error:** *error_message*

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5004W **IBM Spectrum Protect Error:** *error_message*

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5005E   **IBM Spectrum Protect Error.**

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5006E   **IBM Spectrum Protect Error:***error_message*

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5007E   **IBM Spectrum Protect Error.**

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5008E   **IBM Spectrum Protect Error.**

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5009E   **IBM Spectrum Protect Error:**
                 error_message

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5010E   **IBM Spectrum Protect Error:**
                 error_message

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5011E   **IBM Spectrum Protect Error:**
                 error_message

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5012E   **Cannot open IBM Spectrum Protect API**
                 message text file. Check if DSMI_DIR is
                 set correctly.
                 Current value of DSMI_DIR is: *dsmi dir*

Explanation: The IBM Spectrum Protect API is unable
to open the message text file. This file is required in
order to issue messages. By default, it should reside in

the IBM Spectrum Protect API installation directory. If
the IBM Spectrum Protect API is installed in another
location, use the DSMI_DIR the environment variable
to specifiy the correct location.

System action: Processing stops.

User response: Verify that the DSMI_DIR environment
variable points to the correct location and that the IBM
Spectrum Protect API installation is complete.

BKI5013E   **Value for** *name* **is too long. Current**
                 value: *value*

Explanation: The value of the environment variable
name has too many digits.

System action:

User response: Check if the variable is set correctly.

BKI5014E   **IBM Spectrum Protect Error:**
                 error_message

Explanation: See BKI5001E.

System action:

User response: See BKI5001E.

BKI5015W   **Data** *description***,** *file name* **could not be**
                 restored, because it was backed up with
                 a newer version (*objInf_support***
                 *information***).**

Explanation: The IBM Spectrum Protect server hosts
backups (data description) which were made with a
new version of backint or backom, which ignores this
data in further processing.

System action:

User response: Upgrade the product.

BKI5016I   **Time:** *current time* **New session created:**
                 management class: *management_class***,**
                 server: *server_name***, type:** *session_type*

Explanation: A new session to IBM Spectrum Protect
server *server_name* has been established at *current_time*.
Data will be stored in management class
management_class.

System action:

User response: None.

BKI5017E   **Internal IBM Spectrum Protect Error:**
                 Transaction succeeded although it was
                 expected to fail.

Explanation: An internal IBM Spectrum Protect error
occurred.

System action:

User response: Retry the action. If the error occurs again contact IBM Support.

BKI5018E   **The requested buffer has a size (***current_size* **bytes) that is smaller than requested** *requested_size***.**

Explanation: The request for a new buffer was successful. The buffer, however, does not have the requested size.

System action:

User response: Check if the system is running low on memory and retry the action. If the error occurs again contact IBM Support.

BKI5019E   **Error during delete of object** *filename***:** *object*

Explanation: A named file could not be deleted from a IBM Spectrum Protect server.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI5020E   **Error while deleting objects :** *objects*

Explanation: One or more named objects could not be deleted from a IBM Spectrum Protect server.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI5021W   **No data is deleted on the IBM Spectrum Protect Server because the environment variable "XINT_FUNCTION_DELETE" is set to "DISABLE".**

Explanation: The delete function was disabled temporarily.

System action:

User response: If the delete function has to be re-activated, unset the environment variable XINT_FUNCTION_DELETE and try again.

BKI5022W   **Error during version delete. Not all backups that should have been expired could be removed.**

Explanation: The database backup finished successfully. Nevertheless, the deletion of expired backup sets failed.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI5023E   **The management class '***class name***' does not have an archive copy group defined, and can not be used.**

Explanation: IBM Spectrum Protect for Enterprise Resource Planning stores all data as archive objects on the IBM Spectrum Protect server. Therefore each management class to be used needs an archive copy group. The management class *class name* specified in the profile does not have an archive copy group.

System action: The operation continues if alternate management classes are available, if not the operation is stopped.

User response: Check the spelling of the management class in the profile or assign an archive copy group to the management class.

BKI5025I   **Backup with ID '***backup id***' completed successfully.**

Explanation: The SAP HANA backup has completed successfully. This message is not written to the backint.log. It can be found in the IBM Spectrum Protect server activity log or special version delete log file.

System action: Processing continues.

User response: None.

BKI5026I   **Backup with ID '***backup id***' did not complete successfully.**

Explanation: The backup did not complete successfully and cannot be used for complete recovery. Parts of the backup might still be valid. This message is not written to the backint.log. It can be found in the IBM Spectrum Protect server activity log or special version delete log file.

System action: Processing stops.

User response: Check the SAP HANA log file backup.log and the IBM Spectrum Protect for Enterprise Resource Planning log file backint.log for errors.

BKI5027I   **Time: '***time stamp***' version delete processing starts.**

Explanation: A full database backup was completed successfully and profile parameter MAX_VERSION is set to a value higher than 0. IBM Spectrum Protect for Enterprise Resource Planning now checks how many full database backups are stored on the IBM Spectrum Protect server and deletes obsolete backup generations. This message is not written to the backint.log. It can be

found in the IBM Spectrum Protect server activity log or special version delete log file.

System action: Processing continues.

User response: None.

BKI5028I **Time: '***time stamp***' version delete processing finished.**

Explanation: The checking and deletion of obsolete backup generations on the IBM Spectrum Protect server has completed. This message is not written to the backint.log. It can be found in the IBM Spectrum Protect server activity log or special version delete log file.

System action: Processing continues.

User response: None.

BKI5029E **The completion status of backup with ID '***backup id***' cannot be determined. Automatic backup deletion skipped.**

Explanation: IBM Spectrum Protect did query the SAP HANA backup catalog for the status of backup with ID '*backup id*', but the completion state of the backup was not found. This message is not written to the backint.log. It can be found in the server activity log or special version delete log file.

System action: Processing stops.

User response: Check the SAP HANA backup catalog and log file backup.log to determine the root cause.

BKI5638E **Could not parse TOOLOPTION string: '***options***'**

Explanation: The additional options passed to IBM Spectrum Protect for Enterprise Resource Planning by SAP HANA could not not be interpreted.

System action: Processing stops.

User response: The *options* can be specified when starting the SAP HANA backup. Check the command. For details how to pass options with the SAP HANA backup command see the SAP HANA admin guide. Correct the *options* and retry the action.

BKI5639E **Could not parse element '***element_name***' in TOOLOPTION string.**

Explanation: A single element of the additional options passed by SAP HANA to IBM Spectrum Protect for Enterprise Resource Planning could not not be parsed.

System action: Processing stops.

User response: Check and correct the *element_name* in the backup command. Retry the action.

BKI5640I **Received TOOLOPTION string: '***options***'**

Explanation: This message indicates which additional options have been passed by SAP HANA to IBM Spectrum Protect for Enterprise Resource Planning.

System action: Processing continues.

User response: None

BKI5641I **Selected server stanza '***stanza_name***' for this operation.**

Explanation: Based on the additional options passed by SAP HANA to IBM Spectrum Protect for Enterprise Resource Planning the server stanza *stanza_name* was selected as target for the current backup operation.

System action: Processing continues.

User response: None

BKI5642E **There is no server stanza with name '***stanza_name***' specified in the current profile.**

Explanation: The backup was started with the additional option "stanza=<servername>". But a server stanza with this name was not found in the current profile.

System action: Processing stops.

User response: Correct the *stanza_name* and retry the action.

BKI6199E **Failed to determine the database id. Output of the failed command: *output***

Explanation: The attempt to determine the database id was unsuccessful. Requirements for this operation are a complete and functional database software installation and a valid control file.

System action: Processing stops.

User response: Check the output of the failed command for further information about the root cause. Resolve these issues and perform the operation again.

BKI6910E **Could not set user ID to *userid*. Error *error* - *errormsg*.**

Explanation: The user id of the device agent process could not be switched internally to the named user id.

System action:

User response: Check the permissions of the binary and try again.

BKI6911E   **The effective user ID** *userideff* **of the process could not be set to the user** *userid*. **Error** *error* **-** *error_msg*. **Check that the device agent executable has the s-bit set.**

Explanation: Due to insufficient permissions of the device agent executable, the user id of the device agent process could not be switched internally to the named user id.

System action:

User response: Check that the device agent binary has the s-bit set and try again.

BKI7048I   **The default port to connect to** *server_name* **will be used.**

Explanation: A server port for the connection to the named server was not explicitly specified. Therefore, the default port is used.

System action:

User response: Make sure the named server is listening to the default port. In the case of connection failures, specify the server port in the profile.

BKI7049I   **The default for environment variable PROLE_PORT will be used.**

Explanation: The port for the internal communication of Data Protection for SAP is set during installation. The message indicates that this port is being used.

System action:

User response: None.

BKI7051E   **The environment variable XINT_PROFILE is not set. It must be set and contain the fully qualified path to the *.util file to be used.**

Explanation: The way Data Protection for SAP works is specified in a profile. When called, Data Protection for SAP looks for the environment variable XINT_PROFILE which must contain the fully qualified path to the profile.

System action:

User response: Check the environment for XINT_PROFILE of the user who started Data Protection for SAP.

BKI7053E   **Service setup failed due to previous error.**

Explanation: Initialization of the product failed due to previous errors.

System action:

User response: Check the product log file for further detailed messages.

BKI7055E   **Service open failed due to previous error in data mover.**

Explanation: The command could not be started due to previous errors.

System action:

User response: Check the product log file for further detailed messages.

BKI7056E   **Service open failed because configured IBM Spectrum Protect server could not be accessed.**

Explanation: The command could not be started because the IBM Spectrum Protect server defined in the profile could not be accessed.

System action:

User response: Check the product log file for further detailed messages.

BKI7057E   **Service open failed because all configured sessions are currently in use.**

Explanation: The command could not be started because all configured sessions in the profile are currently in use.

System action:

User response: With Oracle RMAN the number of channels configured either in SAP profile or the RMAN script must be less or equal to the maximum number of allowed sessions (MAX_SESSIONS). If multiple servers are used see the User"s Guide for further details. Also check the Data Protection for SAP log file for further detailed messages.

BKI7058E   **Service open failed because more than one file was found with the same name.**

Explanation: The command could not be started because two or more files with the same name were found.

System action:

User response: Check the product log file for further detailed messages.

BKI7059E   **Service open failed because the file was not found.**

Explanation: The command could not be started because a file specified was not found.

System action:

User response: Check the product log file for further detailed messages.

BKI7060I **Data Protection for SAP(R)** *version.release.modification.level* **(build** *build_number*)*beta build_date* **session:** *process id*

Explanation: This message is to verify the version of the shared library used for backup. On UNIX and Linux systems this message will be written multiple times into the log per backup depending on the RMAN setup. On Windows, it is written just once.

System action:

User response: None, if the right version is used. If the version within the log does not match the installed version, see "RMAN Problem Resolution" in the Data Protection for SAP(R) Installation and User"s Guide.

BKI7061I **Continuing to restore from next data copy.**

Explanation: A saved data copy could not be restored from the primary data source. Due to multiple data copies available, the unit will switch to the next available data copy and continue to restore.

System action:

User response: Although the data could be restored it should be investigated, why one of the data sources were not available.

BKI7062E **To create** *number_copies* **redo log copies at least** *number_sessions* **sessions and** *number_mgmtclasses* **different BRARCHIVE management classes are required. But currently only** *configured_sessions* **sessions are available.**

Explanation: If each redo log file should be stored multiple times then for each copy a dedicated session and management class at the IBM Spectrum Protect server is required. Currently there are more redo log copies requested with the profile parameter REDOLOG_COPIES than sessions and/or management classes are available.

System action: Processing ends.

User response: Check the profile parameter MAX_ARCHIVE_SESSIONS or if not set check the value of parameter MAX_SESSIONS. Increase the value to be at least as large as *number_copies*. Ensure the overall number of sessions and management classes that are configured over all server stanzas in the Data Protection for SAP profile is at least as large as *number_copies*.

BKI7063W **The profile parameter BACKUPIDPREFIX is no longer valid for Data Protection for SAP HANA(R) and will be ignored.**

Explanation: Starting with version 6.4.1.1 it is no longer possible to specify the backup ID prefix for Data Protection for SAP HANA(R). The first six characters of the backup ID are now generated automatically.

System action: Processing continues.

User response: Remove the parameter BACKUPIDPREFIX from the profile.

BKI7064W **Seems the previous operation was not completed successfully. Cleaning up.**

Explanation: Internal states indicate that an operation is still running while a new one has started. This may be caused by database processes that did not terminate correctly. Data Protection for SAP is going to clean up these internal states to avoid potential problems.

System action: Processing continues.

User response: Check if any database processes from previous backup or restore operations are still active. Consult the users guide of the database about how to clean up such processes.

BKI7065W **The executable '**executable_name**' was called using the obsolete function specification '**obsolete_function**'. You must use the updated function specification '-f** *function*' **instead.**

Explanation: An operation was started using an obsolete function. The obsolete function is accepted, but it will be rejected in a future release of the product.

System action: Processing continues.

User response: For future operations, use the updated function specification that is identified in the message.

BKI7066E **Determining the size of the application failed with the following error:** *message*

Explanation: Data Protection for SAP was unable to determine the size of the database and therefore could not report this size to the IBM Spectrum Protect server. Protected data size values that are used in front-end licensing capacity reports might be inaccurate for this database.

System action: Processing continues.

User response: Check the error message that follows this message in the log.

BKI7301W   Data exchange file from Data Protection for Snapshot Devices for SAP(R), *filename* **does not exist.**

Explanation: The referenced file is expected by Data Protection for SAP(R) to exist and to contain information from Data Protection for Snapshot Devices for SAP(R) about the actual snapshot operation.

System action:

User response: The absences of this files indicates a problem during the snapshot operation performed by Data Protection for Snapshot Devices for SAP(R). Please check the logs of Data Protection for Snapshot Devices for SAP(R) to determine the cause of the problem and try again.

BKI7303W   Profiles for Data Protection for Snapshot Devices for SAP(R) are different.
backup: *file name backup*
restore: *file name restore*

Explanation: During backup the profile used by DP for Snapshot Devices can be determined automatically. For restore and inquire operations the profile for DP for Snapshot Devices must be specified in the profile using the parameter FCS_FILE. For restore DP for Snapshot Devices must use the same profile as for backup.

System action:

User response: Correct the entry for the FCS_FILE parameter in the profile (init<SID>.utl).

BKI7304I   Performing DISK ONLY backup.

Explanation: The data for this backup is stored on snapshot-type disks only and will not be sent to IBM Spectrum Protect.

System action:

User response: None.

BKI7305E   Error during call to Data Protection for Snapshot Devices for SAP(R): *error message*

Explanation: Data Protection for Snapshot Devices for SAP(R) could not process the requested operation successfully. Processing may not stop at this point. Depending on the type of request (backup to both IBM Spectrum Protect and snapshot disks or to snapshot disks only, restore of data which is available in both modes) there are possibilities to recover from this error and continue operation.

System action:

User response: Use the information from *error message* and the output of Data Protection for Snapshot Devices for SAP(R) to determine the cause of the problem and try again.

BKI7307W   Data Protection for Snapshot Devices for SAP(R) reported an error during a snapshot-type operation.
Do you want to continue backing up to IBM Spectrum Protect?

Explanation: The backup was requested to be stored on both the IBM Spectrum Protect server and the snapshot-type disks. The snapshot operation has failed. Backup can continue to save data on the IBM Spectrum Protect server only.

System action:

User response: Enter "stop" if you want to solve the cause of this error and to try again. Enter "cont" if you want to save this data on the IBM Spectrum Protect server only.

BKI7308E   DISK ONLY backup has failed.

Explanation: The current backup tried to store data on snapshot-type disks only and did not finish successfully.

System action:

User response: Check the output from DP for Snapshot Devices prior to this error message to detect the root cause of this error and try again.

BKI7309W   Data Protection for Snapshot Devices for SAP(R) reported an error during a snapshot-type operation. Do you want to continue restoring from IBM Spectrum Protect?

Explanation: The data you wanted to be restored is located on the IBM Spectrum Protect server and on snapshot-type disks. The snapshot operation has failed. The process can continue to restore data from the IBM Spectrum Protect server.

System action:

User response: Enter "stop" if you want to resolve the cause of this error and to try again. Enter "cont" if you want to restore from the IBM Spectrum Protect server.

BKI7310W   Data Protection for Snapshot Devices for SAP(R) reported an error during a snapshot-type operation. CAUTION: Not all filesystems are available.
Do you want to retry the operation?

Explanation: In contrast to message BKI7309W not all file systems are mounted. In this case it is not possible to continue the restore from the IBM Spectrum Protect server.

System action:

User response: Enter "stop" if you want to terminate

this restore process. Enter "cont" if you want to retry the snapshot process.

BKI7311I   **Profile used by Data Protection for Snapshot Devices for SAP(R):** *profile name*.

Explanation: The message shows the name of the profile used by DP for Snapshot Devices.

System action:

User response: None.

BKI7312W   **Profile for Data Protection for Snapshot Devices for SAP(R) not specified in profile. For restore this must be specified.**

Explanation: For restore and inquire operation in conjunction with DP for Snapshot Devices this parameter is mandatory. Without this parameter a restore using DP for Snapshot Devices is not possible and Data Protection for SAP will continue to inquire/restore from the IBM Spectrum Protect server only.

System action:

User response: Add the parameter FCS_FILE to the Data Protection for SAP profile.

BKI7313W   **Inquire results from Data Protection for Snapshot Devices for SAP(R) are not available.**

Explanation: Data Protection for SAP queried Data Protection for Snapshot Devices for SAP(R) for existing snapshot backups. This query has failed.

System action: Processing continues.

User response: If Data Protection for SAP is running in unattended mode (profile parameter BATCH set to YES), it immediately restores from tape when data is available. Otherwise you are prompted whether to restore from tape.

BKI7314E   **The data you want to restore is not available on the IBM Spectrum Protect server.**

Explanation: Data Protection for SAP(R) was unable to retrieve information from DP for Snapshot Devices about available backups on snapshot-type disks. This message may be issued in consequence of message BKI7305E.

System action:

User response: Check the output from DP for Snapshot Devices to determine the cause of the error and try again.

BKI7315W   **The copy process for the files you want to restore is not finished. If you continue the operation, the files will be restored from the IBM Spectrum Protect server.**

Explanation: The snapshot process running in the background has not finished moving the files from the source to the target volumes. A snapshot restore of these volumes is currently not possible.

System action:

User response: After that message you will be asked if you want to continue or stop this operation. If you want to wait until the snapshot process has finished choose "stop" and the restore attempt will terminate. If you choose "continue" an attempt is made to restore the data from IBM Spectrum Protect if available.

BKI7316I   **The following backup types for the BACKUPID** *backup id* **have been found: - IBM Spectrum Protect - Snapshot**

Explanation: The backup for the backup ID *Backup ID* was stored on the IBM Spectrum Protect as well as on snapshot-type disks. For restore both data sources can be used.

System action:

User response: None.

BKI7318E   **The Data Protection for Snapshot Devices for SAP(R) profile** *file name* **is not valid.**

Explanation: The profile for DP for Snapshot Devices specified in init<SID>.utl could not be accessed.

System action:

User response: Check the file name and the permissions for this file and try again.

BKI7319I   **Start IBM Spectrum Protect restore.**

Explanation: The restore uses data from IBM Spectrum Protect.

System action:

User response: None.

BKI7320I   **Start restore from snapshot.**

Explanation: The restore is using data from snapshot-type disks.

System action:

User response: None.

BKI7321E **The Data Protection for Snapshot Devices for SAP(R) profile** *file name* **found in parameter FCS_FILE of the Data Protection for Snapshot Devices for SAP(R)(R) profile can not be used if you need to restore this backup.**

Explanation: In the Data Protection for SAP profile the FCS_FILE parameter is set, however the Data Protection for Snapshot Devices for SAP(R) profile specified either • is not a Data Protection for Snapshot Devices for SAP(R) profile • does not point to the same Data Protection for Snapshot Devices for SAP(R) configuration file which was used by the preceding Data Protection for Snapshot Devices for SAP(R) splitint operation.

System action:

User response: You need • to correct the FCS_FILE parameter in order to ensure that a valid Data Protection for Snapshot Devices for SAP(R) profile is used. For example, select the same file Data Protection for Snapshot Devices for SAP(R) used when running its snapshot function in the preceding brbackup task. The file names are documented in preceding message BKI7303W) • to ensure that all SAP profiles used by Data Protection for Snapshot Devices for SAP(R) point to the same the same control file. The control file is defined by the value of the IDS_CONTROL_FILE parameter in the Data Protection for Snapshot Devices for SAP(R) profile.

BKI7322E **Request for a partial restore or restore from snapshot with "brrestore -m all" is not supported. In case of brrestore attempt rerun with -m full.**

Explanation: DP for Snapshot Devices can only restore the whole content of a backup and not only a subset of a disk backup as requested. Most likely this is caused by running brrestore with the option '-m all'.

System action:

User response: Restore complete backups only: run brrestore with the option '-m full'.

BKI7323W **Request for a partial restore or restore from snapshot with "brrestore -m all" is not supported. If you want to restore the backup:**
- with FlashCopy restore enter stop and rerun brrestore with "-m full"
- from IBM Spectrum Protect enter cont

Explanation: This message has the same reason as message BKI7322E, but in this case the data is also available from the IBM Spectrum Protect server. So you may continue to restore this data without the snapshot functionality from IBM Spectrum Protect server.

System action:

User response: Enter "stop" if you want to try to restore a different set of files. Enter "cont" if you want to restore this data from IBM Spectrum Protect server.

BKI7324E **Restore of multiple backup ID's in one run from a snapshot is not possible.**

Explanation: The data requested for this restore belongs to multiple backup IDs.

System action:

User response: Make sure the files you want to restore belong to one single backup ID and try again.

BKI7325E **Redirected restore from a snapshot is not possible.**

Explanation: A restore of a snapshot to a different location on the same host was attempted. This is not supported.

System action: Processing stops.

User response: Either restore the snapshot to the original location or restore from tape (if available).

BKI7535W **Error while executing command. Reason: errno(***error number***)** *explanation*

Explanation: A command could not be executed successfully.

System action:

User response: Check the explanation *explanation* and the preceding output of the command execution to detect the cause of the error.

BKI7536I **Execute command '***command name***':**

Explanation: The command *command name* is executed by the application. This message is followed by the output of the command executed.

System action:

User response: None.

BKI7540E **None of the INCREMENTAL_LEVEL parameters specified in the profile can be used for the current operation.**

Explanation: The application of a 'INCREMENTAL_LEVEL' entry within the profile can be restricted by a number of optional conditions, e.g. by time frame. If this error occurs none of the INCREMENTAL_LEVEL entries within the profile matches the conditions currently given (current time, given weekday).

System action:

User response: Check the conditions specified for the 'INCREMENTAL_LEVEL' entries within your profile. It

needs to be ensured that exactly one entry matches any imaginable condition at any time.

BKI7541E   The environment variable ORACLE_SID must be set.

Explanation: The current operation requires the environment of the Oracle database instance owner. Among other settings this includes the environment variable ORACLE_SID.

System action: Operation aborts.

User response: Ensure the operation is performed by the Oracle database instance owner and verify that the environment for this user is set correctly. Among other environment variables that are required to run an Oracle database the variable ORACLE_SID must be set.

BKI7542I   A level *number* **incremental backup using Oracle RMAN has started.**

Explanation: Oracle RMAN will be started to perform an incremental backup with the specified level.

System action: Operation continues.

User response: None.

BKI7543I   Recreate database control file '*file_name***'.**

Explanation: CURRENTLY UNUSED

System action: Operation continues.

User response: None.

BKI7544E   The copy of the database control file '*file_name***' was not found.**

Explanation: The current operation does expect a copy of the database controlfile to be at the specified location. This file is created by IBM Spectrum Protect Snapshot before Data Protection for SAP is started. But the file was not found.

System action: Operation aborts.

User response: Verify that the target directory does exist and is not full. Make sure that the directory is not cleaned automatically at the time of the operation.

BKI7545I   Please enter the password for the user '*user_name***' to connect against the recovery catalog database '***catalog_database_identifier***':**

Explanation: Oracle RMAN stores information about all backups in a recovery catalog database. The identifier to connect against this database and the user id for this connection must be specified in the profile. The password for this connection must be specified after this prompt. It is then stored encrypted in the configuration file.

System action: Wait for user response.

User response: Enter the correct password.

BKI7546E   Failed to verify the password. This is the output of the failed command:

Explanation: The verification of the password entered has failed. This may be due to missconfiguration of the connection to the recovery catalog database or just by misstyping the password.

System action: Operation aborts.

User response: Check the further ouput to find the root cause. Retry the operation and enter the correct password.

BKI7547E   Failed to verify the password. This is the output of the failed command:

Explanation:

System action: Operation aborts.

User response:

BKI7548E   Incremental backups require IBM Spectrum Protect Snapshot V3.1 or higher.

Explanation: To perform offloaded backups using Oracle RMAN the offload operation must be performed using IBM Spectrum Protect Snapshot Version 3.1 or higher.

System action: Operation aborts.

User response: Ensure the required version of IBM Spectrum Protect Snapshot is installed and configured.

BKI7549E   Database '*identifier***' is still running on host '***host_name***'.**

Explanation: Another instance of the database was found to be running on the backup server where the offloaded backup should be performed.

System action: Operation aborts.

User response: Verify the configuration if the offloaded backup was attempted on the correct backup server. Check if the running database instance is a leftover from a previous backup attempt. In this case manually shutdown the instance and retry.

BKI7550E   Operation was cancelled by Oracle RMAN. Please check the log for more details.

Explanation: The operation was cancelled by Oracle RMAN.

System action: Operation aborts.

User response: Check the log output preceeding this

message for more details about the root cause of this error.

BKI7551E   Failed to determine the database ID:

Explanation: The process failed to determine the id of the database in the recovery catalog database.

System action: Operation aborts.

User response: Check the log output following this message for more details about the root cause of this error.

BKI7552E   Failed to determine the SCN:

Explanation: The process failed to determine the restore point in time in the recovery catalog database.

System action: Operation aborts.

User response: Check the log output following this message for more details about the root cause of this error.

BKI7553I   Restoring files from backup with ID *backup_ID* **using Oracle RMAN ...**

Explanation: Oracle RMAN was started to restore all datafiles from the backup identified by *backup_ID*.

System action: Operation continues.

User response: None.

BKI7554E   The password to connect against the recovery catalog database '*identifier***' is not set.**

Explanation: The password for the recovery catalog database was not found in the config file. It is stored in encrypted form in the config file. To store the password in the config file the function '$ndash;f catalog_password' must be used.

System action: Operation aborts.

User response: Run 'backint -p <profile> $ndash;f catalog_password' to store the password in the config file. Then retry the operation.

BKI7555E   Files from different RMAN backups can not be restored within a single operation.

Explanation: The current operation attempted to restore files that have been stored by RMAN in different backups. This type of restore is not supported.

System action: Operation aborts.

User response: If files from different backups are required only the files from one backup can be restored at a time. Restore files from other backups in separate runs.

BKI7556E   Restore of RMAN backups to a different location is not supported.

Explanation: The current operation attempted to restore database files to a location that is different from the location at backup time. This type of restore is not possible with backups that have been performed by Oracle RMAN from a flashcopy backup.

System action: The operation stops.

User response: Restore the files to the same location from where they have been backed up. If you want create a clone of the database, use the $longfcm; cloning functionality.

BKI8201E   SIMULATION CANCELED BY PRODUCTION OPERATION!!!

Explanation: The current operation was a simulation performed via the Administration Assistant. This simulation was canceled since a production operation (backup or restore) has been started.

System action:

User response: Check your backup schedule and run simulations only when no other operations are scheduled.

BKI8300I   *Function_name* returned with code *return_codereturn_information***.**

Explanation: This message indicates that the named API function ended with the specified return information.

System action:

User response: If the return information indicates a problem, look for preceding error messages in the log files. Otherwise, no response is required.

BKI8301E   *Product_name*: Exception caught in function *function_name***. Error information: '***error_information***'**

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action:

User response: Analyze the error information to find the cause of the problem. Resolve any problems indicated.

BKI8302E   *Product_name*: Exception caught in function *function_name***. More information may be available in file** *log_file_name***. Error information: '***error_information***'**

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action:

User response: Analyze the error information and the appropriate log files to find the cause of the problem. Resolve any problems indicated.

BKI8303E **No** *segment_name* **section found for the instance '***id***'.**

Explanation: An error was detected while parsing the named profile segment name section.

System action:

User response: Check the named profile segment name section and make appropriate adjustments.

BKI8304W **The following error occured while verifying the configuration for section '***section***':**

Explanation: An error was detected while parsing the named profile section.

System action:

User response: Check the named profile section and make appropriate adjustments.

BKI8305E **Invalid option** *option* **in options string: '***options_string***'.**

Explanation: An invalid option was found while parsing the options string specified in the 'db2' command.

System action:

User response: Correct the command and try again.

BKI8306E **The keyword** *keyword* **is not allowed multiple times within the profile.**

Explanation: The keyword indicated was found more than once in the profile. However, this keyword must not be specified multiple times.

System action:

User response: Correct the profile.

BKI8307E **The parameter** *keyword* **must be specified in the profile.**

Explanation: A required keyword is missing in the profile.

System action:

User response: Correct the profile.

BKI8308E **Single argument required for parameter** *keyword***.**

Explanation: The keyword indicated requires a single value. However, two or more values are found in the profile.

System action:

User response: Correct the profile.

BKI8309E **Missing argument for parameter** *keyword***.**

Explanation: In the profile, a value is missing for the named parameter.

System action:

User response: Correct the profile.

BKI8310E **The keyword** *keyword* **is not allowed.**

Explanation: An invalid keyword was detected in the profile.

System action:

User response: Correct the profile.

BKI8311E **For parameter** *keywortd***, both server and port must be specified.**

Explanation: A value of the named parameter is missing from the profile.

System action:

User response: As the value for the specified parameter, specify both server and port.

BKI8312E **Error while parsing parameter** *keyword***. In order for '***value1***' to be valid '***value2***' is required to be an existing directory.**

Explanation: Value1 was found to be an invalid value for the parameter named. For this specific parameter, a file name can be specified whose path must already exist in the system.

System action:

User response: Specify the name of a file in an existing path.

BKI8313E *Product_name***: interface problem in function** *function_name***: Invalid value of** *parameter***:** *value*

Explanation: The named product detected an interface problem in the named API function. An invalid value was found for parameter in one of the API data structures.

System action:

User response: Contact your IBM support personnel.

BKI8314E *Product_name*: **interface problem in function** *function_name*: **The session is already in use by a different operation.**

Explanation: The named product detected an interface problem in the named API function. Either the session handle is used for various operations simultaneously, or the functions are called in an order not supported by the current version of the library.

System action:

User response: Contact your IBM support personnel.

BKI8315E *Function_name*: **The following object is not under the control of** *product_name*: *path*

Explanation: The named product implementing the DB2 Advanced Copy Services API detected a problem in the named API function: The path passed by the database is not under the control of the product.

System action:

User response: Make sure the database to be backed up meets the requirements for employing snapshot backups.

BKI8316E *Product_name*: **interface problem in function** *function_name*: **Empty group list passed by DB2.**

Explanation: The named product detected an interface problem in the named API function: The database passed a group list containing no elements.

System action:

User response: Contact your IBM support personnel.

BKI8317W *Product_name*: **Verification of configuration requested by user. No backup started.**

Explanation: The user requested a verification of the configuration. The backup flow continued without errors up to the point where the snapshot would actually be done and was then cancelled. The system is ready for a snapshot backup, but no action beyond verification has been taken so far.

System action:

User response: None.

BKI8318E *Product_name*: **interface problem in function** *function_name*: **Not enough space provided to write meta data.**

Explanation:

System action:

User response: Contact your IBM support personnel.

BKI8319W **Error while deleting old versions. This problem does not affect the new backup. Error information:** '*error_information*'

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. However, a problem occurred while trying to remove expired backups. The new backup is not affected by this problem.

System action:

User response: Check the appropriate log files in order to determine the cause of the problem. Resolve any problems indicated. In case the storage device runs out of storage because outdated snapshot backups have not been removed, delete these snapshot backups manually.

BKI8320I **Deleting full backup** *backup_id* - *backup_key*.

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the full backup listed is removed.

System action:

User response: None.

BKI8321I **Deleting partial backup** *backup_id* **for node** *host:partition_number*.

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the backup listed for the named partition is removed.

System action:

User response: None.

BKI8322E **Interface problem: Current database partition** *number* **is not listed in the partition list.**

Explanation: The partition list passed by the database does not contain the named partition participating in an operation.

System action:

User response: Contact your IBM support personnel.

BKI8323E *Product_name*: **Problem occurred while processing** *function_name*.
Please check log file *log_file_name* **for more information.**
Error information: '*error_information***'**

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error in the named API function. The error information is shown.

System action:

User response: Analyze the error information and the appropriate log files to find the cause of the problem. Resolve any problems indicated.

BKI8324E *Product_name*: **Problem occurred while processing** *function_name*: **Device agent returned code** *return_information*.

Explanation: The named product implementing the DB2 Advanced Copy Services API received an error from the device agent in the named API function. The device agent's return information is given.

System action:

User response: Check the appropriate log files to find the cause of the problem. Resolve any problems indicated.

BKI8325E **Failed to determine hostname.**

Explanation: The system was not able to determine the host name of the machine.

System action:

User response: Make sure the system setup allows for querying the hostname via system function gethostname(). Ensure that the requirements for doing snapshot backups are met.

BKI8326E **Failed to create log directory** *path*.

Explanation: The log path indicated is not available in the system and could also not be created.

System action:

User response: Check the properties of the path indicated and make sure that its properties and the properties of the parent directory are set accordingly. Make sure all prerequisites for doing snapshot backups are met.

BKI8327E **Invalid value specified for parameter** *keyword*: *value*

Explanation: A parameter value is not valid.

System action:

User response: In case the parameter was specified in

the profile correct the profile. In case the parameter was specified as a command line option, correct the entry.

BKI8328E *Product_name* **must be licensed to set parameter** *keyword* **to a value of** *value*.

Explanation: Selected functions are supported only with a full IBM Spectrum Protect license.

System action:

User response: If you need the functionality requested, obtain a full IBM Spectrum Protect license and install the license file. Otherwise, in case the parameter was specified in the profile, correct the profile or, in case the parameter was specified as a command line option, correct the entry.

BKI8330E **Parameter** *keyword* **requires 'YES', 'NO', or AUTO.**

Explanation: For the named parameter, only the values, 'YES', 'NO' and 'AUTO' are accepted.

System action: Processing stops.

User response: Correct the profile or the call as appropriate.

BKI8331E **The parameter** *keyword1* **is not allowed if** *keyword2* **is set to** *value*.

Explanation: There is a dependency between parameters *keyword1* and *keyword2*. If the latter is set to the value named, keyword1 must not be specified.

System action:

User response: Correct the profile or the call as appropriate.

BKI8332E **Failed to parse parameter** *keyword*. **File and path names in the profile need to be fully qualified.**

Explanation: As the value of the parameter indicated, a fully qualified file or path name is expected. However, the specified value is not a fully qualified path.

System action:

User response: Correct the profile or the call as appropriate.

BKI8333E **In order to enable the parameter** *keyword1* **you need to set** *keyword2* **to** *value*.

Explanation: There is a dependency between parameters *keyword1* and *keyword2*. If *keyword1* is specified, *keyword2* must be given the specific value indicated in the message.

System action:

User response: Correct the profile or the call as appropriate.

BKI8334E   **Profile section** *section_name* **is required for function** *operation***.**

Explanation: The specified profile section is required in order to perform the requested operation. However, it is not included in the profile.

System action:

User response: Correct the profile.

BKI8335E   **Profile section** *section_name* **refers to a value for** *keyword* **that differs from the one used at backup time. Expected value:** *value***.**

Explanation: The profile parameter named must not change its value between backup and restore. However, in the named profile section, the parameter has a value different from the value it had at backup time. This value is given in the message.

System action:

User response: Correct the profile by setting the indicated parameter to the value indicated in the message.

BKI8336E   **Invalid value specified for option** *keyword***:** *value*

Explanation: An option value is not valid.

System action:

User response: Correct the call.

BKI8337E   **Error while parsing profile: Missing section name.**

Explanation: The profile is organized into named sections. However, a section name was not found.

System action:

User response: Check that the profile name is specified correctly or that the default profile is a valid profile. Refer to your user documentation for the syntax of the profile or use the profile wizard to create a new profile.

BKI8338E   **Error while parsing profile: Section** *section_name* **is not allowed to be nested.**

Explanation: In the profile, the named section starts before the previous section ends. However, the section in question cannot be nested.

System action:

User response: Correct the profile.

BKI8339E   **Error while parsing profile: Profile section** *section_name* **is not valid.**

Explanation: An invalid section name was found in the profile.

System action:

User response: Correct the profile.

BKI8340E   **Error while parsing profile: Profile section** *section_name* **must not be specified more than once.**

Explanation: In the profile, only a single section with the name indicated can be specified. However, during parsing, a second occurrence was detected.

System action:

User response: Correct the profile.

BKI8341E   **Error while parsing profile: Profile section** *section_name* **missing.**

Explanation: The required profile section indicated was not found in the profile.

System action:

User response: Correct the profile.

BKI8343W   **The** *profile parameter keyword* **profile parameter of** *device type provile section* **has changed its value from** *(original)value1* **to** *(current) value2***.**

Explanation: The profile parameter named must not change its value between backup and restore or delete. However, in the named profile section, the parameter has a new value *value2* different from the value *value1* it had at backup time. Both values are given in the message.

System action:

User response: Check the log file for problems that may result from the change of parameter values. If so, you may want to change the profile, restoring parameter *profile parameter keyword* to the value it had when creating the backup in order to perform a specific operation.

BKI8344E   **Path** *path* **is listed more than once for partitioning.**

Explanation: This is a DB2 - IBM Spectrum Protect interface problem.

System action:

User response: Contact your IBM support personnel.

BKI8345E   **Error while parsing parameter** *keyword*. **'***path***' is required to be** *type_information***.**

Explanation: A path of the type indicated in the message is expected as a value of the named parameter. However, the specified path was not found to be of the correct type.

System action:

User response: Correct the profile or the call as appropriate.

BKI8349I   **Deleting incomplete backup** *backup_id* **-** *backup_key***.**

Explanation: After a successful backup, the system tries to remove older backups of the database according to the value of profile parameter MAX_VERSIONS. During this process, the incomplete backup listed is removed. A backup becomes incomplete when parts of its data expire. This can happen when a backup that is marked 'destructively restorable' is restored.

System action:

User response: None.

BKI8350E   **Parameter** *parameter* **requires "NO", "IBM Spectrum Protect", or "DP4SAP".**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8351E   **Parameter** *parameter* **requires 'AUTO' or a decimal value.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8352E   **Parameter** *parameter* **requires a decimal value.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8353E   **Parameter** *parameter* **requires a value greater than '0'.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8354E   **Parameter** *parameter* **requires 'NO' or 'YES'.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8355E   **Parameter** *parameter* **requires 'ALL' or a comma separated list of decimal values.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the profile keyword DBPARTITIONNUM and make appropriate adjustments.

BKI8356E   *product_name***: interface problem in function** *function***: Invalid call sequence; the library was not initialized.**

Explanation: An invalid internal call sequence was detected during execution of a dedicated function.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI8357E   *product_name***: interface problem in function** *function***: Invalid call sequence; the operation was not initialized.**

Explanation: An invalid internal call sequence was detected during execution of a dedicated function.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI8358E   **Parameter** *name* **requires 'ONLINE' or 'OFFLINE'.**

Explanation: The parameter *name* only accepts the values ONLINE or OFFLINE.

System action: Processing stops.

User response: Correct the value for the parameter specified in the profile.

BKI8359E   **The profile parameter** *parameter* **has the wrong value '***value profile***'. The expected value is '***value expected***'.**

Explanation: A profile parameter (or keyword) has a wrong value assigned. An alternate value is expected.

System action:

User response: Check the named IBM Spectrum Protect for ERP profile keyword and make appropriate adjustments.

BKI8360E   **Invalid** *keyword* **specified in the profile.**

Explanation: The value specified for a keyword is either wrong or is missing.

System action:

User response: Check the named IBM Spectrum Protect for ERP profile keyword and make appropriate adjustments.

BKI8361E   **Found files on the file systems to backup for which backup was not explicitly requested. Please provide a negative list or clean your file systems.**

Explanation: Although the previously mentioned files were not requested to be part of the backup, they will be copied because they reside on a file system that will be backed up in its entirety. In order to allow backing up those files, they need to be added to a 'negative list' or the checking for such files needs to be disabled. Note that in case of a restore, these files would typically be restored, even if this was not desired.

System action:

User response: Edit the 'CLIENT' section of the profile. You can either set the parameter 'NEGATIVE_LIST' to 'NO_CHECK', to allow IBM Spectrum Protect Snapshot to back up any file stored in a file system that will be backed up, or you can set the parameter 'NEGATIVE_LIST' to point to a file (the 'negative list') that contains a list of all files and directories that are allowed to be processed during backup. Any directory you add to the 'negative list' is processed recursively. Note that there is only one 'negative list' for backup and restore. See FMM6969E for restore.

BKI8362E   **The trace parameters YES, NO, ON, and OFF cannot be set in conjunction with other trace parameters.**

Explanation: The values YES, NO, ON and OFF in conjunction with the TRACE keyword do not allow further trace flags to be set. They are mutually exclusive.

System action:

User response: Check the IBM Spectrum Protect for ERP profile keyword TRACE and make appropriate adjustments.

BKI8363E   **The value** *value* **is not a valid trace flag.**

Explanation: The value specified for the TRACE keyword is invalid.

System action:

User response: Check the IBM Spectrum Protect for ERP profile keyword TRACE and make appropriate adjustments.

BKI8364E   **Error while parsing parameter CONFIG_FILE. Directory '***directory***' for node '***node***' does not exist.**

Explanation: The base directory containing the IBM Spectrum Protect for ERP configuration file(s) for any participating DB2 partition does not exist or cannot be accessed.

System action:

User response: Ensure that the directory denoting the base part of the CONFIG_FILE value (left part of the %DB2NODE substring) exists and has the right permissions.

BKI8365E   **The server stanza for LOG_SERVER '***server***' is missing.**

Explanation: A IBM Spectrum Protect server stanza used by the LOG_SERVER keyword is missing either in the option file (dsm.opt) or in the system options file (dsm.sys).

System action:

User response: Either the value of the LOG_SERVER keyword in the IBM Spectrum Protect for ERP profile has to be adjusted or an entry must be made or adjusted in the appropriate option file.

BKI8366E   **The values for parameter** *parameter* **are expected to be in the range 0 to 6.**

Explanation: The values of the keyword USE_AT have to be in the range of 0 to 6.

System action:

User response: Check the IBM Spectrum Protect for ERP profile keyword USE_AT and make appropriate adjustments.

BKI8367E   **You cannot freeze the filesystem without suspending or shutting down the database.**

Explanation: Check the IBM Spectrum Protect for ERP profile keyword USE_AT and make appropriate adjustments.

System action:

User response: Ensure either to suspend the database or to bring the database offline and try to freeze the filesystem again.

BKI8368E   **An invalid argument is specified for keyword** *keyword***.**

Explanation: The specified argument could not be converted into an equivalent integer value.

System action:

User response: Check the keyword argument and try again. If the problem cannot be resolved contact your IBM support personnel.

BKI8369E   **Failed to execute** *program***. Reason:** *reason***.**

Explanation: The execution of *program* failed.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI8370E   **The profile option TARGET_DATABASE_SUSPEND = OFFLINE is not allowed for an online database backup.**

Explanation: A snapshot backup of a database that was not suspended can only be done in offline mode.

System action: Processing stops.

User response: Start the BRBACKUP utility with the option '-t offline -d util_vol' and try again.

BKI8371E   **The profile parameter NEGATIVE_LIST is not allowed. Use BR-TOOLS option "-n" to specify the negative list.**

Explanation: The negative list value has to be specified in the init<SID>.sap profile via the option 'util_vol_nlist = (*nfile_name1*, *nfile_name2*, ...) | no_check'.

System action:

User response: Adjust the init<SID>.sap profile accordingly and try again.

BKI8372E   **The profile option TARGET_DATABASE_SUSPEND=YES requires a backup of type volume_online. To solve this problem either the profile parameter TARGET_DATABASE_SUSPEND can be set to OFFLINE or NO or the brbackup backup device type should be set to util_vol_online. Keep in mind, when you set the profile parameter TARGET_DATABASE_SUSPEND to NO, the snapshot backup may be mounted on a backup system to verify its consistency. Make sure that a backup system is configured in that case.**

Explanation: A snapshot backup of a database that was suspended can only be done in online mode.

System action:

User response: Start the BRBACKUP utility with the option '-t online -d util_vol' and try again.

BKI8373W   **The operation will execute the force option (-F).**

Explanation: Start the BRBACKUP utility with the option '-t online -d util_vol' and try again.

System action:

User response: None.

BKI8374W   **Operation will terminiate with error, because backint was executed with verify option (-V).**

Explanation: The verify option simulates the requested option and does not create a valid backup or restore. In order to prevent the calling process from regarding the current operation as successful, the verify option will always yield a nonzero return code.

System action:

User response: Do not use the verify option if you want to create a backup or restore.

BKI8375E   **The value of the environment variable ORACLE_SID is not allowed to have more than** *number* **digits.**

Explanation: The length of the ORACLE_SID value violates the defined range.

System action:

User response: Check the current value of ORACLE_SID and if necessary, correct it according to the allowed length. Try again.

BKI8376E   Verification of snapshot failed. Reason: *reason*

Explanation: The snapshot backup could not be verified successfully.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI8377E   Function *function* **does not support multiple backup ids within a single operation.**

Explanation: IBM Spectrum Protect Snapshot was requested to perform a volume *function* operation simultaneously for a set of objects that were backed up with multiple volume backup requests. This is currently not supported.

System action:

User response: Use backups stored on the IBM Spectrum Protect server to perform redirected restores or adjust the restore command.

BKI8378E   Redirected restore of volume backups is not supported yet.

Explanation: IBM Spectrum Protect Snapshot does not support restores to an alternate data location. The restore always needs to be made to the original data location.

System action:

User response: Use backups stored on the IBM Spectrum Protect server to perform redirected restores.

BKI8379E   Infile contains an invalid value: 'value**'**

Explanation: Each record of the infile has to start either with the string '#NULL' or with the backup Id.

System action:

User response: Ensure each record of the infile satisfies the requirements. If the problem cannot be resolved contact your IBM support personnel.

BKI8380E   The profile option TSM_BACKUP=YES requires a snapshot backup of all partitions of the database.

Explanation: The profile option TSM_BACKUP=YES implies offloading a snapshot backup to IBM Spectrum Protect. If this option is specified, all database partitions have to be part of the snapshot backup.

System action:

User response: Specify the "ALL DBPARTITIONNUMS" clause as part of the DB2 backup command and try again.

BKI8381W   The following error occured while verifying the configuration for server 'server_name**' in the profile:**

Explanation: The profile section for server *server_name* is not correct. The actual error is following this message.

System action:

User response: Adjust the profile and correct the error following this message.

BKI8382E   The previous error(s) can be prevented by executing restore with negative list set to "no_check".

Explanation: An error occurred while inspecting file systems for files that should be excluded during the backup/restore operation. This error precedes the current message. Note that the file system inspection can be turned off by setting the parameter "NEGATIVE_LIST" to "NO_CHECK".

System action:

User response: Resolve the root cause for this problem (previous error) or change the value of the parameter "NEGATIVE_LIST" to "NO_CHECK". Depending on the application type, this can be accomplished by • (for DB2 and native Oracle) editing the IBM Spectrum Protect Snapshot profile and set the parameter "NEGATIVE_LIST" to "no_check" • (for SAP(R) for Oracle) editing the BR*Tools profile *.sap and set the parameter "util_vol_nlist" to "no_check" Note that changing "NEGATIVE_LIST" to "NO_CHECK" implies that IBM Spectrum Protect Snapshot would potentially backup all files residing on the requested file systems. This true even if they were not explicitly requested and resided on the requested file systems, and even if they were not explicitly requested during the backup. At restore time all of these objects would typically be restored.

BKI8383E   BR-Tools are required to set the environment variable BI_RUN for volume backups.

Explanation: This is a unique ID from a BR*Tools run (normally it is the name of the BR*Tools log). If this variable is set then BACKINT recognizes that a call from BR*Tools 7.10 or higher was triggered.

System action:

User response: Ensure that BR*Tools 7.10 or later is used and rerun the operation.

BKI8384E Failed to determine the APPLICATION_TYPE of the profile. Please invoke wizard with option -m <application type>.

Explanation: 'acsd -f wizard' was invoked to modify an existing profile, and the APPLICATION_TYPE could not be identified by inspecting this profile. This is required in order to properly adjust the profile.

System action:

User response: Provide the application type when invoking the wizard with options 'acsd -f wizard -m <application type>'. The preferred method, however, is to call the setup script without options.

BKI8385E In order to create a new profile the wizard needs to be invoked with option -m <application type>.

Explanation: "acsd -f wizard" was invoked to create a new profile. In this case it is required to specify the application type with option -m.

System action:

User response: Provide the application type when invoking the wizard by using the options "acsd -f wizard -m <application type>". Alternatively, you can use the database-specific version of the setup script (setup_<database>.sh) to create a new profile and configure IBM Spectrum Protect Snapshot.

BKI8386E Parameter *parameter name* requires a decimal value of 0 or greater.

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8387W The following extra files are found in the directories to be backed up: '*filename*'

Explanation: The extra files were not requested to be part of the backup. The files may be copied if they are located in a file system that is to be backed up in its entirety. If the files are in a file system that does not participate in the backup they are not copied.

System action:

User response: To avoid generating this message, edit the "CLIENT" section of the profile. You can set the parameter "NEGATIVE_LIST" to "NO_CHECK". Then, IBM IBM Spectrum Protect Snapshot backs up any file that is stored in a file system participating in the backup. Alternatively, you can set the "NEGATIVE_LIST" parameter to point to a file

("negative list") containing a list of all files and directories that are allowed to be processed during the backup. Any directory that you add to the "negative list" file is processed recursively. Note there can be only one "negative list" file for both backup and restore operations.

To avoid false warnings for files in the nested file systems that do not participate in the backup, add the mount points of the nested file systems to the "negative list" file.

To avoid false warnings for files or directories that are pointed to by symbolic links and that do not participate in the backup, add the file system mount points of these files to the "negative list" file.

Note: FlashCopy Manager does not automatically include nested file systems and files pointed to by symbolic links in the FlashCopy backup operation.

BKI8388W Additional files to restore were discovered on the file systems: '*file list*'

Explanation: A FlashCopy restore operation is performed with the profile parameter NEGATIVE_LIST set to WARN. This operation replaces complete file systems with the content of the file systems at the time of backup. Each file that currently resides on the file systems to be restored (but were not part of the original backup) will be listed.

System action: Processing continues.

User response: None.

BKI8389W The following volume groups / file systems are currently not accessible: *volumegroups/filesystems*

Explanation: The listed volume groups or file systems are not accessible. IBM Spectrum Protect Snapshot tries to verify that only database files reside in the volume groups or file systems that will be restored. But it was encountered that it was not possible to access the file systems (in the volume groups) to verify the database files because the file systems are not mounted or the volume groups are not imported, or both. This warning message is followed by message BKI9390E which gives more information.

System action:

User response: This is just a warning message. Follow the instructions of the user response of BKI8390E.

BKI8390E Failed to validate that only database files will be overwritten during restore, because some of the database filesystems are currently not accessible. Please import volume groups and/or mount all filesystems and restart the restore. If you cannot mount the filesystems as a consequence of a

disaster or a failing previous restore operation, this error can be prevented by executing restore with negative list set to "no_check".

Explanation: IBM Spectrum Protect Snapshot tries to verify that only database files reside in the volume groups / file systems that will be restored. But it was encountered that it was not possible to access the file systems (in the volume groups) to verify the database files because the file systems are not mounted and/or the volume groups are not imported.

System action:

User response: There are two options to solve this problem: 1. Import all volume groups and mount all file systems that contain database files. 2. If the first option is not possible as a consequence of a disaster or a failing previous restore operation, the negative list check cannot be performed at all and must be switched to "no_check". Depending on the application type, this can be accomplished by • (for DB2 and native Oracle) editing the IBM Spectrum Protect Snapshot profile and set the parameter "NEGATIVE_LIST" to "no_check" • (for SAP(R) for Oracle) editing the BR*Tools profile *.sap and set the parameter "util_vol_nlist" to "no_check" Note that changing NEGATIVE_LIST to NO_CHECK implies that IBM Spectrum Protect Snapshot would potentially backup all files residing on the requested file systems. This true even if they were not explicitly requested and resided on the requested file systems, and even if they were not explicitly requested during the backup. At restore time all of these objects would typically be restored.

BKI8393E   The keyword TARGET_SET requires a target set name as argument.

Explanation: The keyword TARGET_SET specified within the target set definition file needs to be followed by an argument defining the unique name of the target set.

System action: Please have a look into your target set file (.fct) and correct the entry accordingly.

User response:

BKI8394E   Error while parsing TARGET_SET *target set name*: **Illegal number of arguments.**

Explanation: The keyword TARGET_SET specified within the target set definition file needs to be followed by exactly one argument defining the unique name of the target set. No additional arguments are allowed.

System action:

User response: Please have a look into your target set file (.fct) and correct the entry accordingly.

BKI8395E   Error while parsing TARGET_SET *target set name* **in volumes file: A multi partition backup requires the use of the keyword PARTITION in the target set section.**

Explanation: On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections to determine for which partition this target volume(s) apply.

System action:

User response: Modify your target set definition file accordingly. Example: >>> TARGET_SET SET_1 >>> PARTITION NODE0000 TARGET_VOLUME 40913158 - - TARGET_VOLUME 40A13158 - - <<< >>> PARTITION NODE0001 TARGET_VOLUME 40B13158 - - TARGET_VOLUME 50913158 - - <<< <<<

BKI8396E   Error while parsing TARGET_SET *target set name* **in volumes file: It is not allowed to specify a portion of a target set without keyword PARTITION, if this keyword is used for other portitions in the same target set definition.**

Explanation: On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections to determine for which partition this target volume(s) apply. As soon as embedded PARTITION subsections are used this means that ALL TARGET_VOLUME entries need to be enclosed in PARTITION subsections.

System action:

User response: Correct your target set definition file accordingly.

BKI8397E   Error while parsing TARGET_SET *target set name* **in volumes file: the parameter PARTITION requires exactly one parameter.**

Explanation: On a partitioned DB2 environment, the TARGET_VOLUME entries within the target set definition file need to be enclosed by nested 'PARTITION' sections. The keyword 'PARTITION' needs to be followed by the unique name of the partition.

System action:

User response: Check whether all PARTITION subsections within your target set definition file have a unqiue partition name and correct the entries if necessary.

BKI8398E	**Error while parsing statement '***parameter name***' in profile. The statement '***from or to***' is required to be in the form hh:mm.**

Explanation: The optional conditions 'FROM' and 'TO' of the profile parameter '*parameter name*' need to be followed by a time in the format 'hh:mm'.

System action:

User response: Please check your profile and correct the times accordingly.

BKI8399E	**The mode *mode* of parameter *parameter* is only supported for *device_type* .**

Explanation: The requested mode *mode* is only supported for *device_type*.

System action: Processing ends.

User response: Choose a supported mode..

BKI8400E	**Error while parsing statement '***device class***' in profile. The statement *partition number* is required to be a number.**

Explanation: The optional condition 'ON_PARTITIONN' of the profile parameter 'DEVICE_CLASS' needs to be followed by an integer number.

System action:

User response: Please check your profile and correct the 'ON_PARTITIONN' entries accordingly.

BKI8401E	**DEVICE_CLASS *device class* was encountered multiple times within a single DEVICE_CLASS statement.**

Explanation: The parameter 'DEVICE_CLASS' of the 'CLIENT' section allows to enlist multiple device classes which are then applied in a round robin process. However, each enlisted device class must not occur multiple times within the same enumeration.

System action:

User response: Please check your profile and correct the 'DEVICE_CLASS' entries accordingly.

BKI8402E	**No DEVICE_CLASS found that can be used for the current operation.**

Explanation: The application of a 'DEVICE_CLASS' entry within the 'CLIENT' section of the profile can be restricted by a number of optional conditions, e.g. by time frame of DB2 partition number. If this error occurs none of the DEVICE_CLASS entries within the profile matches the conditions currently given (current time, given partition, given weekday).

System action:

User response: Check the conditions specified for the 'DEVICE_CLASS' entries within your profile. It needs to be ensured that exactly one entry matches any imaginable condition at any time.

BKI8403E	**The keyword *keyword* was found multiple times without qualifier *qualifier*.**

Explanation: If the parameter *keyword* is specified without additional qualifiers it is representing the global default. This global default can be defined only once. All other entries of parameter *keyword* need to be restricted by additional conditions.

System action:

User response: Please check your profile. The parameter *keyword* must not occur multiple times without additional conditions.

BKI8404E	**The following statement contains incompatible options *statement*.**

Explanation: The parameter *statement* within the 'CLIENT' section of the profile is followed by additional options which are contradictory to each other.

System action:

User response: Please check the parameter *statement* within your profile. For example, it is not possible to combine the options 'MANDATE' and 'TSM_ONLY'.

BKI8405E	**The following statement is missing mandatory options *statement*.**

Explanation: The parameter *statement* within the 'CLIENT' section of the profile must be followed by an option defining the mode of how offline backups are handled.

System action:

User response: Please check the parameter *statement* within your profile. It needs to include either 'NO', 'YES', 'MANDATE', or 'TSM_ONLY' as an option.

BKI8406E	**There are two *object type* associated with partition *partition name*.**

Explanation: The profile associates the same partition with multiple objects of *object type*. The name of the partition and of the *object type* are identified in this message.

System action: The operation fails.

User response: Update the profile so that each partition is listed as a member of only one object of *object type*.

BKI8407E   An illegal partition number has been specified for *parameter candidate name***.**

Explanation: The parameter *parameter* expects integer partition numbers as argument.

System action:

User response: Please check the parameter *parameter* within your profile and correct it accordingly.

BKI8408E   The parameter *parameter* **is not allowed as a name for a target set.**

Explanation: One possible distinctness of the parameter 'TARGET_SET' is to specify target set definitions via a naming convention instead of a target set definition file (for SVC only). The argument *parameter* does not meet these naming conventions.

System action:

User response: Please check the arguments of the parameter 'TARGET_SET' within your profile and correct them accordingly.

BKI8409E   The parameter TARGET_NAMING is required to contain the wildcards *source* **and** *targetset***.**

Explanation: The parameter 'TARGET_NAMING' needs to follow particular conventions including the wildcards *source* and *targetset* to be valid.

System action:

User response: Please check the arguments of the parameter 'TARGET_NAMING' within your profile and correct them accordingly.

BKI8414E   Error while parsing profile *profile***: Delimiter '***delimiter***' missing.**

Explanation: A syntax error has been detected within you profile.

System action:

User response: Please check the syntax and format of your profile.

BKI8420E   Full file-based backups into the repository are not allowed when 'ALLOW_FULL_FILE_BACKUP' is set to 'NO'.

Explanation: If you want to use '*FlashcopyManager*' to perform a backup with options util_file or util_file_online, set the option *ALLOW_FULL_FILE_BACKUP* to *YES* in the profile.

System action:

User response: Correct the setting for the parameter

within your profile. You can also change backup options.

BKI8435W   Annotation file '*file***' could not be loaded.**

Explanation: The annotation file is required by the profile wizard for displaying more expressive prompts and online help. However, if this file is missing the wizard is still operational.

System action:

User response: The annotation file is integral part of the product. If it is missing this means your product installation is corrupt. Please perform a reinstallation. If the warning message still occures please contact your support line.

BKI8436W   Problems occured on final validation of profile. Incorrect parameters have been marked in the written profile. Please check.

Explanation: Profile parameters for that a user-defined value is obligatory have been skipped without specifying a value.

System action:

User response: Please rerun the profile wizard for the given profile and ensure you specify a valid value for each parameter marked with *input mandatory*.

BKI8437I   Verifying password...

Explanation: After a password has been entered the wizard is verifying it by performing a test connection to the according entity.

System action:

User response: Wait for outcome of the verification. If the verification is successfull the wizard proceeds with the next password or writes the password files. If the verification fails the user is asked whether he wants to retry or ignore the issue.

BKI8439E   Could not read password filename from profile '*profile***'. File does not exist. (Check options -p, -b)**

Explanation: If the filename for the password file is not explicitly specified by the option '-b' the wizard tries to read this information from the profile. The profile being consulted is either the default profile 'profile' or the profile specified by option '-p'. If this error occurs there is either no default profile available or the profile specified by option '-p' does not exist.

System action:

User response: Check options '-p' and '-b'.

BKI8441E   **Please specify either only backup id's or only backup id's with files.**

Explanation: You specified some backup id's with files and some backup id's without files.

System action:

User response: Please specify either only backup id's or only backup id's with files.

BKI8465E   **The value** *value* **for parameter** *parameter* **is out of valid range (***min - max***).**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8469E   **Parameter** *parameter* **requires a value greater than or equal to '0'.**

Explanation: The value specified for the named parameter does not comply with the defined range of values.

System action:

User response: Check the named profile keyword and make appropriate adjustments.

BKI8470E   **Parameter** *keyword* **requires a setting of either 'YES' or 'AUTO'.**

Explanation: For the named parameter, the values 'YES' or 'AUTO' must be applied.

System action: Processing stops.

User response: Correct the profile or the call as appropriate.

BKI8471E   **Device class** *deviceclass* **is used already in a different entry for parameter** *parameter***.**

Explanation: The device class is already used. Do not use it multiple times for parameter MAX_VERSION.

System action: Processing continues

User response: If the device class parameter is already specified in the profile, correct the profile. If the parameter is specified already as a command line option, rerun the setup script.

BKI8472E   **Only one default value is allowed for parameter** *parameter***.**

Explanation: The default is already set for this parameter.

System action: Processing continues

User response: If the default for this parameter is already specified in the profile, correct the profile. If the parameter was specified already as a command line option, correct the entry.

BKI8473E   **the value adaptive is only allowed as the default for parameter** *parameter*

Explanation: The default value that you specified is not allowed for a specific device class.

System action: Processing continues

User response: If the default for this parameter is already specified in the profile, correct the profile. If the parameter is specified as a command line option, correct the entry.

BKI8474E   **Parameter** *parameter* **is already set with a different value. The value Adaptive is only allowed as a default without additional entries.**

Explanation: The default value that you set is not allowed if more than one entry is set. Delete other entries to set this parameter to Adaptive.

System action: Processing continues

User response: If additional entries for this parameter are set in the profile, correct the profile. If there are additional parameter entries specified as command line options, delete these entries.

BKI8476E   **Input value '***input_value***' is not an absolute path. However, the '***parameter***' parameter must be specified as an absolute path.**

Explanation: The value that is specified for the parameter indicated is not an absolute path, as is required.

System action: Processing ends.

User response: Specify the value of the parameter as an absolute path.

BKI8477E   **Input value '***input_value***' is not a valid directory. However, the '***parameter***' parameter must be a valid directory.**

Explanation: The value that is specified for the parameter is not a valid directory.

System action: Processing ends.

User response: Specify an appropriate directory for the parameter.

BKI8511I   **The command is:** *command name*

Explanation: This is an information message echoing the command.

System action:

User response: None.

BKI8512I   **Return code is:** *return code*

Explanation: This message shows the return code of the Backup Object Manager. Valid return codes: 0 The requested action was performed successfully. 1 The requested action was performed successfully; however, some warnings were issued. 2 or greater The requested action could not be performed due to errors. In this case, an error message should be logged, too.

System action:

User response: None if the return code is 0. If the return code is greater than 0, analyze the error and/or warning messages. Resolve errors before starting the action again.

BKI8513W   **'TDP_DIR' is not set. The temporary path will be used.**

Explanation: The environment variable 'TDP_DIR' is not set and therefore, the log will be written to the system's temporary path instead.

System action:

User response: Set the 'TDP_DIR' environment variable.

BKI8514W   **'TDP_DIR' is not set correctly. The temporary path will be used.**

Explanation: The variable TDP_DIR is set but contains an invalid path. All run logs will be written to the machines temporary directory instead.

System action:

User response: Check and reset the environment variable TDP_DIR.

BKI8520E   **No command was specified.**

Explanation: backom was called without a command line.

System action:

User response: Check the command syntax and correct the call.

BKI8521E   **Command option '***command option***' requires an argument.**

Explanation: A command option requiring an argument was specified without an argument.

System action: Check the command syntax and correct the call.

User response:

BKI8522E   **Invalid command '***command***'.**

Explanation: backom was called with an invalid command.

System action:

User response: Check the command syntax and correct the call.

BKI8523E   **Error during** *action***.**

Explanation: An error occurred while performing the named action.

System action:

User response: Look for other error messages in order to analyze the problem.

BKI8524E   **An online restore of the Tablespace is not allowed.**

Explanation: Either the database setup or the kind of backup prevents an online table space backup.

System action:

User response: If you need to do a table space restore it must be done offline.

BKI8525E   **The DB2 instance name can consist of at most** *characters* **characters.**

Explanation: The name given for the DB2 instance does not comply with the DB2 naming conventions.

System action:

User response: Correct the DB2 instance name.

BKI8526E   **The DB2 database alias can consist of at most** *characters* **characters.**

Explanation: The name given for the DB2 alias does not comply with the DB2 naming conventions.

System action:

User response: Correct the DB2 alias name.

BKI8527E   **Invalid node. Specify it in the format** *node format*.

Explanation: The name given for the DB2 node does not comply with the DB2 naming conventions. Node numbers must be specified in the displayed format, for example 'NODE0000' or '0000'.

System action:

User response: Correct the DB2 node number.

BKI8528E   **Invalid timestamp. Specify the format as 'yyyymmddhhmmss', wildcards '*' or '?' are permitted.**

Explanation: Specify digits in the format 'yyyymmddhhmmss' or mixed with wildcards '*' or '?'. where: • yyyy is the year, specified as four digits, • mm is the month, specified as two digits, with leading zero for the months January to September, • dd is the day of the month, specified as two digits, with leading zero for days 1 to 9, • hh is the hour of the day, 00 to 23, with leading zero for hours 0 to 9, • mm is the minutes of the hour, 00 to 59, with leading zero for minutes 0 to 9, • ss is the second of the minute, 00, to 59, with leading zero for seconds 0 to 9. Any digits can be replaced by wildcards '*' or '?', where • * means any number of any digits, • ? means exactly one digit of any value.

System action:

User response: Correct the timestamp.

BKI8529E   **Invalid log sequence number. Specify it in the format** *log sequence format*.

Explanation: The information on the log sequence number(s) does not comply with the expected format. Accepted log sequence numbers are for example '123' or 'S0000123.LOG'.

System action:

User response: Correct the log sequence number(s).

BKI8530E   **Profile '***file name***' does not exist or cannot be accessed.**

Explanation: Either an existing file could not be opened, or a file could not be created.

System action:

User response: Check the attributes of the file and/or its directory. For backup processing, read access is required for the files to be backed up. For restore processing, write access is required for the target location of the files to be restored.

BKI8531E   **Directory '***file path***' does not exist or cannot be accessed.**

Explanation: A file path cannot be accessed.

System action:

User response: Check the attributes of the file and/or its directory. For backup processing, read access is required for the files to be backed up. For restore processing, write access is required for the target location of the files to be restored.

BKI8532E   **Invalid log chain number. Specify it in the format** *log chain format*.

Explanation: The information on the log chain number(s) does not comply with the expected format. Accepted log chain number(s) are for example '123' or 'C0000123'.*file path* .

System action:

User response: Correct the log chain number(s).

BKI8533E   **A timestamp range is not allowed for command '***command***'.**

Explanation: A timestamp range is not allowed for command restore database, restore tablespace, restore tablespace online and restore DB2 history file. Only a single timestamp argument can be used.

System action:

User response: Correct the timestamp command option.

BKI8534E   **Command option '***command option***' is missing.**

Explanation: A command was issued without specifying a required command option.

System action: Check the command syntax and correct the call.

User response: Check the command syntax and correct the call.

BKI8535E   **Invalid output mode. Specify one of the keywords** *keyword list*.

Explanation: Only the listed keyword values are allowed with the output mode command option -m.

System action:

User response: Correct the output mode command option.

BKI8536E **Wildcard characters are not allowed for command '*command*'.**

Explanation: For the BackOM commands 'restore database', 'restore tablespace', 'restore tablespace online' and 'restore DB2 history file' it's not allowed to specify the wildcard characters '*' and '?' in a timestamp command option.

System action:

User response: Correct the timestamp command option.

BKI8537E **The path '*path*' is not absolute.**

Explanation: A command line argument requires a fully qualified path which was not given.

System action:

User response: Specify the fully qualified path.

BKI8538E **The Tablespace Definition Information '*file name*' cannot be processed.**

Explanation: The TDI file could not be parsed because of errors. There are more specific parser error messages before this message occurs.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8540I **Using *component_name* at *host name*:*port***

Explanation: The *component_name* service named is used for the current action.

System action:

User response: None.

BKI8541I **Using profile '*profile path*'.**

Explanation: The profile named is used for the current action.

System action:

User response: None.

BKI8542E **Profile '*profile path*' cannot be read.**

Explanation: The Backup Object Manager tried to use the profile named but the profile was not available or could not be read. The location of the profile is specified via command line as argument to option '-e' or in environment variable 'XINT_PROFILE'.

System action:

User response: Make sure that the profile is available at the location specified in option '-e' on the command line or in environment variable 'XINT_PROFILE'. Check

the attributes of the profile and the corresponding directory and make sure that the file can be accessed.

BKI8543I **Querying IBM Spectrum Protect for file(s) '*file list*'.**

Explanation: The Backup Object Manager checks if the files listed are available on the IBM Spectrum Protect server(s) specified in the corresponding profile.

System action:

User response: None.

BKI8545I **No *image type* image(s) found.**

Explanation: A request could not be satisfied because the files to be processed are not available on the IBM Spectrum Protect server.

System action:

User response: Check if the file(s) were specified correctly in the request.

BKI8546E **Environment variable '*environment variable*' is not set or not set correctly.**

Explanation: A required environment variable is not set at all or has a value that is not allowed.

System action:

User response: Check the documentation for the appropriate values of the environment variable named and set its value accordingly.

BKI8548I **Elapsed time:** *time value*

Explanation: After restore and delete, the time elapsed during the action is displayed.

System action:

User response: None.

BKI8549E **Unable to create file '*file name*'.**

Explanation: During restore, the file to be restored cannot be created in the target location.

System action:

User response: Check if there is sufficient space available for the file to be restored. Check the attributes of the target directory; write access is required. If the target file already exists, check that write access is granted

BKI8550W **Environment variable '*environment variable*' for output mode has wrong value. Using default.**

Explanation: The default output mode can be overridden by the named environment variable.

Accepted values are "short", "normal", or "detailed". The system default is "short" for actions on DB2 log files, "normal" otherwise.

System action:

User response: Specify an appropriate value for the environment variable named, or remove the environment variable.

BKI8551E   **Not all data written to '*file path*'.**

Explanation: Restoring raw or DB2 log file data ended before all data retrieved from IBM Spectrum Protect could be written to the file named. The file is incomplete.
named.

System action:

User response: Make sure there is sufficient space for the data to be restored.

BKI8552E   **File '*file path*' could not be closed.**

Explanation: After restoring raw or DB2 log file data, the target file could not be closed.

System action:

User response: Retry the action.

BKI8555E   **Variable "DB2DBDFT" or command option "alias" is required.**

Explanation: The password command needs the name/alias of the database, for which the Data Protection for SAP configuration file has to be adapted.

System action:

User response: Either set the environment variable DB2DBDFT or provide the command option "alias" with the password command and try again.

BKI8556E   **Unable to get hostname.**

Explanation: The machines hostname could not be determined.

System action:

User response: Check the TCP/IP configuration of the machine.

BKI8557E   **The config file "init*file name*.bki" could not be created.**

Explanation: Data Protection for SAP tries to create the configuration file named if it is not present at the location specified by the Data Protection for SAP profile keyword CONFIG_FILE. However, the file cannot be created. This may either be caused by an incorrect path specified by keyword CONFIG_FILE, or the user may

not have the appropriate permissions for creating the file.

System action:

User response: Make sure the path specified by keyword CONFIG_FILE is correct and the permissions are set appropriately.

BKI8558I   **Setting IBM Spectrum Protect password for partition '*partition number*' on host '*host name*'.**

Explanation: The Data Protection for SAP IBM Spectrum Protect password is set on the host named for the DB2 partition indicated.

System action:

User response: None.

BKI8559W   **For partition '*partition number*' switch to host '*host name*' and issue the command again.**

Explanation: When verifying the IBM Spectrum Protect password, the Data Protection for SAP configuration file is modified. If the Data Protection for SAP profile keyword CONFIG_FILE points to an NFS mounted (UNIX or Linux) or a shared (Windows) path accessible to all hosts in a DB2 ESE (EEE) environment, for example the instance home, all configuration files of the various partitions can be modified simultaneously. If, in contrast, keyword CONFIG_FILE points to a local path, only the configuration files of the local partitions can be modified. In this case, the password verification needs to be done from each host. The message indicates the partitions whose associated configuration files are not accessible. In order to avoid this administrative overhead, it is recommended to place the Data Protection for SAP configuration files in a file system shared by all hosts hosting a partition of the database.

System action:

User response: Make sure to verify the IBM Spectrum Protect password(s) for all partitions of the database.

BKI8560E   **Partition '*partition number*' not found in the database configuration.**

Explanation: The DB2 partition specified could not be found in the database configuration.

System action:

User response: Check the configuration of the DB2 ESE(EEE) environment (db2nodes.cfg, environment variable DB2NODE) and try again.

BKI8561W   Database '*alias*' not listed in the system database directory.

Explanation: The database *alias* does not exist. Because there is a dependency between the alias and the settings for Data Protection for SAP there might be problems during database backup or restore runs. Nevertheless, the Data Protection for SAP configuration file (init*alias*.utl) will be created and adapted.

System action:

User response: Check if the alias specified does match to an entry in the DB2 system database directory. Further, check the argument for the Data Protection for SAP profile keyword CONFIG_FILE and if necessary adapt it appropriately.

BKI8583E   Multiple possible values for parameter 'INCREMENTAL_LEVEL' detected: *ambigous statements*

Explanation: Multiple specifications of the parameter 'INCREMENTAL_LEVEL' with overlapping time spans have been detected in the profile.

System action: Processing stops.

User response: The parameter 'INCREMENTAL_LEVEL' can be specified multiple times within the profile to use different values at different days of the week or different times during the day. But these multiple definitions must not overlap. Correct the time specifications. Try the operation again.

BKI8584I   Delete command completed successfully.

Explanation: The object(s) specified with the delete command were successfully deleted from the IBM Spectrum Protect server.

System action:

User response: None.

BKI8585W   Delete command completed successfully, but had warning(s).

Explanation: The object(s) specified with the delete command were deleted with warning(s) from the IBM Spectrum Protect server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and if required, do the requested interventions manually.

BKI8586I   Delete command was aborted.

Explanation: The delete command was aborted by the user. No object(s) were deleted from the IBM Spectrum Protect server.

System action:

User response: None.

BKI8587E   Delete command failed due to an error.

Explanation: The delete command failed during execution. Not all objects were deleted from the IBM Spectrum Protect server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and try to resolve the error which led to the delete failure. Retry the action. If the error still exists, contact the IBM Support.

BKI8588E   Delete command has not been started or no delete result information is available.

Explanation: This message indicates that an operation did not complete successfully. Typically, some other error condition was detected before.

System action:

User response: Contact the IBM Support.

BKI8589E   Query command failed due to an error.

Explanation: The query command failed during execution. Not all queried objects can be displayed.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log. In the absence of preceding error messages, contact IBM Support.

BKI8610I   Restoring *type* ...

Explanation: The restore of *type* has started.

System action:

User response: None.

BKI8611I   Do you want to overwrite the existing database (y/n)?

Explanation:

System action:

User response:

BKI8612I   Continuing restore ...

Explanation: The database restore continues.

System action:

User response: None.

BKI8613E   **Terminating restore ...**

Explanation: An error occurred, and the database restore terminates.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager and the shared library run logs. Additional information may be found in the DB2 diagnostic log (db2diag.log).

BKI8615I   **Restore command completed successfully.**

Explanation: The object(s) specified with the restore command were successfully restored from the IBM Spectrum Protect server.

System action:

User response: None.

BKI8616W   **Restore command completed successfully with warnings.**

Explanation: The object(s) specified with the restore command were restored with warning(s) from the IBM Spectrum Protect server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and if required, do the requested interventions manually.

BKI8617I   **Restore command was aborted.**

Explanation: The restore command was aborted by the user. No object(s) were restored from the IBM Spectrum Protect server.

System action:

User response: None.

BKI8618E   **Restore command failed due to an error.**

Explanation: The restore command failed during execution. Not all objects were restored from the IBM Spectrum Protect server.

System action:

User response: Check the Backup Object Manager log file for further detailed messages and try to resolve the error which led to the restore failure. Retry the action. If the error still exists, contact the IBM Support.

BKI8619E   **Restore command has not been started or no restore result information is available.**

Explanation: This message indicates that an operation did not complete successfully. Typically, some other error condition was detected before.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8621I   **Restoring file '*file name*' ...**

Explanation: The system started restoring the file indicated.

System action:

User response: None.

BKI8622I   **Deleting *type* ...**

Explanation: The deletion of *type* has started.

System action:

User response: None.

BKI8623I   **Deleting file '*file name*' ...**

Explanation: The system started deleting the file indicated.

System action:

User response: None.

BKI8626W   **The Tablespace Definition Information '*file name*' could not be deleted.**

Explanation: The system tried to remove the TDI image from IBM Spectrum Protect, but did not succeed.

System action:

User response: Try to remove the image manually using the Backup Object Manager raw delete facility.

BKI8629E   **The '*variable name*' environment variable is not set.**

Explanation: The specified environment variable is not set, processing cannot continue for the requested operation.

System action: Processing ends.

User response: Ensure that when you run the product that you use the correct user ID so that the environment variable is set.

BKI8630E   **The command option '*option*' must be a number.**

Explanation: An invalid argument was specified for command option *option*.

System action:

User response: Correct the command syntax.

BKI8631I   **Backup command completed successfully.**

Explanation: The backup operation completed successfully; the backup image can be used for restoring. In the case of a full database backup, the TDI image was generated and stored to IBM Spectrum Protect, too.

System action:

User response: None.

BKI8632W   **Backup command completed successfully with warnings.**

Explanation: The backup operation completed successfully; the backup image can be used for restoring. However, some problems occurred.

System action:

User response: Check the warning messages and take corrective actions if necessary.

BKI8634E   **Backup command failed due to an error.**

Explanation: No backup was made due to previous errors.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8635E   **The command option '*option*' must be a floating point number.**

Explanation: An invalid argument was specified for command option *option*.

System action:

User response: Correct the command syntax.

BKI8636E   **The command option '*option*' must be one of *values*.**

Explanation: An invalid argument was specified for command option *option*.

System action:

User response: Correct the command syntax.

BKI8637I   *Type state* **backup of '*alias*' started ...**

Explanation: A backup operation of database *alias* of type *type* has started.

System action:

User response: None.

BKI8638I   *Type state* **backup of tablespace(s)** *tablespace#1,...,tablespace#n* **of '*alias*' started ...**

Explanation: A backup operation of table space(s) *tablespace#1 ... tablespace#n* of database *alias* of type *type* was started.

System action: Processing continues.

User response: None.

BKI8639I   **Including log files in backup image ...**

Explanation: The DB2 log files are stored as part of the backup image.

System action:

User response: None.

BKI8640I   **Using *number* buffers with a size of *size* ...**

Explanation: For backup or restore operations, the indicated number of buffers of the size displayed are used.

System action:

User response: None.

BKI8641I   **Using *number* session(s) ...**

Explanation: For backup or restore operations, the indicated number of IBM Spectrum Protect sessions is used.

System action:

User response: None.

BKI8642I   **Using a degree of parallelism of *number* ...**

Explanation: For backup or restore operations, the degree of parallelism is displayed.

System action:

User response: None.

BKI8643I   **Using vendor library at '*lib path*' ...**

Explanation: For backup or restore operations, the named vendor library is used.

System action:

User response: None.

BKI8644W   **Offline backups cannot include log files. The option -L is being ignored.**

Explanation: An offline backup operation was started, requesting the DB2 log files to be included. This is not possible with an offline backup. The backup is done without including DB2 log files.

System action:

User response: Make sure to backup DB2 log files separately.

BKI8648I   *number of files in this run* **file(s) were stored successfully in this run on the '***hostname***' node. A total number of** *stored number of files totally* **files out of** *total number of files* **files are stored in the data backup that is identified by the external '***backup id***' backup ID.**

Explanation: This is a progress message.

System action: Processing continues.

User response: N/A

BKI8650E   **To restore from all** *found_copies* **detected redo log copies,** *required_sessions* **sessions must be opened. But currently only** *configured_sessions* **are allowed.**

Explanation: For the object that should be restored overall *found_copies* copies have been found on the IBM Spectrum Protect server. To allow transparent failover to other copies in case of errors Data Protection for SAP must be able to open *required_sessions* sessions. But the current configuration allows to open only *configured_sessions* sessions.

System action: Processing ends.

User response: Check the profile parameter MAX_RESTORE_SESSIONS or if not set check the value of parameter MAX_SESSIONS. Increase the value to be at least as large as *found_copies*. Ensure the overall number of sessions that are configured over all server stanzas in the Data Protection for SAPprofile is at least as large as *found_copies*.

BKI8651W   **Your version of DB2 does not support including log files. The option -L is being ignored.**

Explanation: A backup was started, requesting the DB2 log files to be included, but your version of DB2 does not support this feature. For including DB2 log files in the backup image, DB2 V.8.2 or later is required.

System action:

User response: Make sure to backup DB2 log files separately.

BKI8652I   **DB2 version '***version***' with** *number* **bits detected.**

Explanation: The indicated DB2 version was detected by Backup Object Manager.

System action:

User response: None.

BKI8653I   **Using autonomic buffer size and number of buffers ...**

Explanation: The buffer size and the number of buffers used for backup or restore is automatically determined by DB2.

System action:

User response: None.

BKI8654I   **Using an autonomic buffer size with** *number* **buffers ...**

Explanation: The buffer size used for backup and restore is automatically determined by DB2. The number of buffers to be used was specified in the call to the Backup Object Manager.

System action:

User response: None.

BKI8655I   **Using an autonomic number of buffers with a size of** *size* **...**

Explanation: The number of buffers to be used for backup and restore are determined by DB2. The buffer size to be used was specified in the call to the Backup Object Manager.

System action:

User response: None.

BKI8656I   **Using an autonomic degree of parallelism ...**

Explanation: The number of DB2 processes (UNIX or Linux) or threads (Windows) used for reading or writing data from/to table space containers during backup and restore is determined by DB2.

System action:

User response: None.

BKI8657W   *Number* **is not a valid partition number for a non-partitioned database. Assuming partition 0.**

Explanation: The partition number specified in the call to Backup Object Manager does not denote a valid partition of the database. Therefore, the default

partition 0 will be used by DB2 and by Backup Object Manager.

System action:

User response: If your database is not partitioned do not specify the partition number for further actions.

BKI8658E *Number* **is not a partition number of the database or does not denote a partition on this host.**

Explanation: The partition number specified does not denote a valid database partition or is not the partition located on the system where Backup Object Manager is called. Backup Object Manager can only operate on partitions residing on the same host.

System action:

User response: Either change *number* to a partition number of a local partition, or start Backup Object Manager from the same host where the partition resides.

BKI8659I **Creating tablespace definition information ...**

Explanation: The table space definition information (TDI) is being created in memory.

System action:

User response: None.

BKI8660I **Saving tablespace definition information ...**

Explanation: The table space definition information (TDI) is being stored on the IBM Spectrum Protect server.

System action:

User response: None.

BKI8661W **Could not create Tablespace Definition Information.**

Explanation: The system could not collect the table space definition information. The backup was made without TDI. As a result, the backup can be used for restoring the system, but it cannot be used for restoring to a different location.

System action:

User response: Ensure that your database is enabled to accept CLI connections.

BKI8662W **Could not save Tablespace Definition Information.**

Explanation: The system could not save the TDI on IBM Spectrum Protect. The backup was made without TDI. As a result, the backup can be used for restoring the system, but it cannot be used for restoring to a different location.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8663W **The Tablespace Definition Information contains device containers of a type unsupported by BackOM redirected restore.**

Explanation: A backup of a database using device containers was requested. The backup was successful, it can be used to restore the system, but it cannot be used for restoring to a different location. Restoring to a different location is not supported with device containers.

System action:

User response: None.

BKI8664E **Connecting to '***alias***' using CLI failed. The return code was** *return code***.**

Explanation: The system tried to connect to the database named via the CLI. The operation did not succeed and returned the error code indicated.

System action:

User response: Ensure that your database is enabled to accept CLI connections.

BKI8665I **The backup timestamp is:** *timestamp*

Explanation: The DB2 backup finished successfully with the timestamp *timestamp*.

System action:

User response: None.

BKI8666I **Redirecting container of tablespace** *table space* **with ID** *id***.**

Explanation: The named table space is restored to the location requested.

System action:

User response: None.

BKI8667W Tablespace *tablespace* **with ID** *id* **was not redirected because its container on source system** *SID* **is not located in a path starting with '***path***'.**

Explanation: The named table space of type SMS was not redirected because the definition of the table space container in the source system does not match the database characteristics that Backup Object Manager expects and that are cited in the message. Therefore, Backup Object Manager tries to restore the table space to a location identical to the location in the original system.

System action:

User response: Make sure that the table space mentioned can be restored to the original location. This requires that the user initiating the redirected restore has the appropriate permissions for placing the table space container in this location and that the table space can be restored without overwriting other data.
In order to avoid this situation in the future, the administrator of the source system may want to recreate the table space according to the database characteristics Backup Object Manager expects.

BKI8668I **Tablespace Definition Information created successfully.**

Explanation: The metadata concerning the phyiscal database layout necessary for automatic redirected restores driven by BackOM were created successfully.

System action:

User response: None.

BKI8669I **Free space of device with ID** *id* **containing the container storage path '***storage_path***' are** *free_space***.**

Explanation: After assigning a container storage path to a dedicated device the remaining free space is calculated and returned to the user.

System action:

User response: None.

BKI8670I **Remaining free space of device with ID '***id***' after assigning container '***container_name***' of size** *size* **are** *free_space***.**

Explanation: After assigning or creating a tablespace container on a dedicated device the remaining free space is calculated and returned to the user.

System action:

User response: None.

BKI8671I **Using automatic storage path(s)** *storage_path***.**

Explanation: A dedicated automatic storage path will be used.

System action:

User response: None.

BKI8672I **Redefining container path(s) of automatic storage tablespace** *tablespace* **with ID** *id***.**

Explanation: The path(s) an automatic storage tablespace uses as a starting point for the container(s) will be redefined.

System action:

User response: None.

BKI8689I **Requesting DB2 to optimize backup images for deduplication.**

Explanation: For the current operation, DB2 is requested to optimize the format of the backup images for target storage devices that support data deduplication.

System action: Processing continues.

User response: None.

BKI8690E **Free space check for container '***path***' failed. Only** *free bytes* **free space left on device with ID '***id***' but** *required bytes* **required.**

Explanation: The system requires a table space container of the size indicated at the path named, but there is not sufficient free space available to create it.

System action:

User response: Try to make available the free space required, for example by 1. Removing some files on the volume or file system the container is to reside on. 2. Increasing the size of the file system the container is to reside on. 3. Shrinking the size of the container requested so that it fits in the free space.
Note: Backup Object Manager assumes that a small part (0.05%) of the free space will be required by the operating system for administrative use. As a consequence, only 99.95% of the free space on the volume or file system is actually available.

BKI8692E **The requested data could not be retrieved.**

Explanation: The TDI data of a backup image could not be retrieved and displayed.

System action:

User response: Look for and respond to preceding error messages.

BKI8693E   More than one Tablespace Definition Information file matches your query.

Explanation: More than one TDI file matching the search criteria was found on IBM Spectrum Protect.

System action:

User response: Specify additional BackOM command options to restrict the result set.

BKI8700E   Internal parser error in Tablespace Definition Information parser.

Explanation: An unexpected error occurred in the TDI parser.

System action:

User response: Contact IBM Support.

BKI8701E   This parser cannot process Tablespace Definition Information version *version*.

Explanation: The current version of Backup Object Manager is not compatible with the version the TDI image was created with. As a consequence, the TDI data cannot be processed.

System action:

User response: Check the release notes for the appropriate migration procedure.

BKI8702E   Too many errors. Bailing out.

Explanation: The TDI parser encountered a number of errors. Restoring is stopped.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8703E   Out of memory.

Explanation: The TDI parser encountered a token that cannot be read into the main memory. The TDI image cannot be processed, and restoring is stopped.

System action:

User response: Contact IBM Support.

BKI8704E   Error while reading input file.

Explanation: The TDI parser tried to read more data from disk or from IBM Spectrum Protect, but did not succeed.

System action:

User response: Ensure that the TDI image to be

processed exists at the expected location and that the system has sufficient privileges to read it.

BKI8705E   *Error* in line *line number*.

Explanation: The TDI parser encountered a syntax error in the line indicated. As a consequence, the TDI image cannot be analyzed.

System action:

User response: Respond to the error message and correct your TDI image.

BKI8706E   The container at '*path***' is inappropriate for tablespace** *tablespace*.

Explanation: The container at the location indicated cannot be added to the table space named because of incompatible properties.

System action:

User response: Check the properties of the container and the table space. Ensure that the IDs of the containers are unique for the table space named.

BKI8707E   Missing statement *keyword* **in block** *block name* **near line** *line number*.

Explanation: A keyword is missing in the named block ending at the line given.

System action:

User response: Insert the required statement in the block.

BKI8708E   The [TDI] header block must be the first block.

Explanation: The TDI image does not start with the required header ([TDI] block). Only comments or whitespace are allowed before this block.

System action:

User response: Ensure that the [TDI] block is the first block in the TDI image.

BKI8709E   The required block *block name* **is missing.**

Explanation: The named block is missing in your TDI image.

System action:

User response: Insert the missing block using valid values.

BKI8710W   Duplicate block *block name* **ignored at line** *line number***.**

Explanation: At the line indicated, a block begins whose name was encountered before. The system ignores the duplicate block; it uses the data from the first occurrence of duplicate blocks.

System action:

User response: Make sure that block names are unique within a TDI image.

BKI8711W   Duplicate statement *keyword* **ignored in line** *line number***.**

Explanation: At the line indicated, a duplicate statement was encountered within a block. The system ignores the duplicate statement.

System action:

User response: Make sure to not specify duplicate statements within a block.

BKI8715E   Failed to create directory '*path***'. Reason:** *reason*

Explanation: The path indicated could not be created.

System action: The operation stops. The operation cannot continue until the error is resolved.

User response: Check the properties of the path indicated and make sure that its properties and the properties of the parent directory are set accordingly.

BKI8725I   Pipe '*pipe_name***' does not exist. Assuming redirected restore and create file.**

Explanation: The object '*pipe_name*' was a pipe at backup time. Such object should be restored into a pipe by default. It may be desired to restore the data to some other location, for example a regular file. In this case a new file will be created. The restored object may be used for further processing.

System action: Processing continues.

User response: If the restore into a regular file was performed by intend use the data for the planned purpose. Otherwise remove the file.

BKI8727E   No instance found managing database '*database name***'.**

Explanation: The DB2 instance, which manages the named database '*image_name*' could not be detected.

System action: Processing ends.

User response: Contact your IBM support personnel.

BKI8728E   Could not attach to instance '*instance***'.**

Explanation: BackOM was not able to attach to the instance *instance*.

System action:

User response: First, check the system environment for possible instance candidates. Try the action again by additionally specifying the BackOM command option '-i <instance name>'.

BKI8729I   Checking system resources ...

Explanation: Prior to starting the redirected restore by BackOM the existing system resources, e.g. free space of a file system will be checked.

System action:

User response: None.

BKI8730I   Scaling tablespace containers to *number* **percent ...**

Explanation: All table space containers will be increased by the percentage indicated during the table space container redefinition step.

System action:

User response: None.

BKI8731I   Normalizing tablespace containers ...

Explanation: All containers of a table space will be of the same size after redefinition.

System action:

User response: None.

BKI8732E   The Tablespace Definition Information used with the redirected restore operation contains an invalid database alias.

Explanation: There is an invalid database alias specified in the alias statement of the TDI image.

System action:

User response: Provide a valid alias.

BKI8733E   The Tablespace Definition Information used with the redirected restore operation contains an invalid instance name.

Explanation: There is an invalid database instance specified in the <instance> statement of the TDI image.

System action:

User response: Provide a valid instance name.

BKI8734E **The Tablespace Definition Information used with the redirected restore operation contains an invalid partition number.**

Explanation: There is an invalid partition number specified in the <Node> statement of the TDI image.

System action:

User response: Provide a valid partition number.

BKI8736E **Tablespace** *tablespace* **must have at least one container.**

Explanation: The TDI image defines the table space named without containers.

System action:

User response: Ensure that there is at least one container associated with every table space.

BKI8737E **Tablespace** *tablespace* **has containers with the combined storage too small.**

Explanation: The number of used pages of the table space named exceeds the combined size of its table space containers defined in the TDI image.

System action:

User response: Ensure that every table space has containers of a combined size that is sufficient to hold the used pages of the table space.

BKI8738E **The container at** *path* **has a page size that is incompatible with its tablespace.**

Explanation: The container indicated does not have the same page size as its table space according to the definitions in the TDI image.

System action:

User response: Contact IBM Support.

BKI8739E **The type of the container at** *path* **is incompatible with its tablespace.**

Explanation: The container indicated cannot be used with its associated table space according to the definitions in the TDI image. SMS table spaces can only have path containers, and DMS table spaces must have file or device containers.

System action:

User response: Ensure that the appropriate types of containers are used with each table space.

BKI8740E **The path** *path* **of a container must not be relative.**

Explanation: In the TDI image, the named path defining a container does not seem to be a fully qualified path.

System action:

User response: Ensure that all paths in your TDI are fully qualified.

BKI8741E **The container at** *path* **would overwrite existing files or directories.**

Explanation: The TDI image contains the definition of the container indicated whose location is already in use. This is only allowed when restoring to the source database. Restoring to a different location is stopped.

System action: Ensure that all path containers defined in the TDI image point to non-existing paths and all file containers point to non-existing files.

User response:

BKI8742E **The container at** *path* **is a device container which is not supported.**

Explanation: In the TDI image, a device container is defined. However, device containers are not supported by Backup Object Manager.

System action:

User response: Do not use device containers.

BKI8743I **Local Tablespace Definition Information check returned** *return code*.

Explanation: The TDI with the target database table space definition was checked. If the return code given does not equal 0 errors occurred.

System action:

User response: In the case of a non-zero return code, contact IBM Support.

BKI8744I **Tablespace Definition Information replacement check returned** *return code*.

Explanation: The system checked whether the table space definitions of the target TDI can replace the definitions of the source TDI. If the return code given does not equal 0 the table space definitions of the target TDI are not valid.

System action:

User response: In the case of a non-zero return code, contact IBM Support.

BKI8745E   **The Tablespace Definition Information is invalid.**

Explanation: The TDI with the target table space definitions is not valid. Restoring to a different location is stopped.

System action:

User response: Check the Backup Object Manager log for the return code of the validation. Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8746I   **The Tablespace Definition Information is valid.**

Explanation: The TDI with the target table space definition is valid. Processing continues.

System action:

User response: None.

BKI8747E   **Not all tablespaces of the original database are contained in the Tablespace Definition Information.**

Explanation: At least one table space of the original database is missing in the TDI definitions of the target database. However, a new location must be given for all table spaces of the original database. Therefore, restoring to a different location is stopped.

System action:

User response: Provide the information on the missing table spaces and their containers.

BKI8748E   **The Tablespace Definition Information does not define enough storage to hold all the data of the original database.**

Explanation: The target TDI has at least one table space whose containers are too small to hold the data of the source database.

System action:

User response: Increase the container size or add more containers to the table spaces.

BKI8749E   **The page size of a tablespace in the Tablespace Definition Information does not match the one of the original database.**

Explanation: The target TDI contains at least one table space with a matching ID in the source TDI, but their page sizes do not match.

System action:

User response: Ensure that table spaces have the same page sizes in both the source and the target TDI.

BKI8750E   **The number of used pages of a tablespace in the Tablespace Definition Information does not match the one of the original database.**

Explanation: The target TDI contains at least one table space with a matching ID in the source TDI, but the number of used pages of the target table space does not match the number of used pages in the original database.

System action:

User response: Ensure that the number of used pages of a table space is the same in both the source and the target TDI.

BKI8751E   **The tablespace type in the Tablespace Definition Information does not match the one of the original database.**

Explanation: The target TDI holds at least one table space with a matching ID in the source TDI, but the table space types are different.

System action:

User response: Ensure that the type of a table space is the same in both the source and the target TDI.

BKI8752E   **BackOM does not support redirected restore with device containers.**

Explanation: The target TDI contains at least one definition of a device container. However, device containers are not supported by Backup Object Manager's redirected restore function.

System action:

User response: Do not use the Backup Object Manager's redirected restore facility for device containers.

BKI8753E   **A container cannot be created at** *path*.

Explanation: Either the location where the table space container is to be created does not exist, or the permissions of the user are not sufficient.

System action:

User response: Check the location and the permissions.

BKI8755I   **Getting reference Tablespace Definition Information from IBM Spectrum Protect ...**

Explanation: Retrieving the appropriate TDI to be used by internal checking routines from the IBM Spectrum Protect server.

System action:

User response: None.

BKI8756W   Could not get reference Tablespace Definition Information from IBM Spectrum Protect. No input validation is done.

Explanation: The system could not find a TDI image matching the database backup to be restored on IBM Spectrum Protect. The restore action will be continued, but the input data cannot be validated before the restore starts.

System action:

User response: None.

BKI8757I   Performing redirected restore from '*source alias*' to '*target alias*' ...

Explanation: Redirected restore of *source alias* to *target alias* is starting.

System action:

User response: None.

BKI8758E   The Tablespace Definition Information does not contain data for tablespace '*tablespace*'.

Explanation: A definition of the table space named is expected to be provided in the TDI, but could not be found.

System action:

User response: Ensure that all table spaces of the source database are also defined in the target TDI.

BKI8759E   Redirecting of at least one container failed.

Explanation: The system tried to create the containers for a table space, but at least one of them could not be redirected to a different location. Usually, the location of one of the table space containers is not allowed. A list of containers the system tries to create can be found in the Backup Object Manager log. One of them failed.

System action:

User response: Check for and respond to further error messages in the Backup Object Manager log.

BKI8760E   Directory '*directory*' could not be created.

Explanation: The system tried to create the directories to place the containers in, but at least one failed.

System action:

User response: Ensure that the system has sufficient privileges to create the directories at the desired locations.

BKI8761E   The container at *path* does not have the minimum size of two extends.

Explanation: A table space container to be created must have at least the size of two extends.

System action:

User response: Correct the size of the container to be created.

BKI8762I   Set tablespace container with ID *id* and name '*tablespace_container*'.

Explanation: Backup Object Manager redirects a table space container to the ID and name indicated.

System action:

User response: None.

BKI8763E   The extent size of a tablespace in the Tablespace Definition Information does not match the one of the original database.

Explanation: The extend sizes of corresponding table spaces defined in the source and target TDIs must be equal. However, for at least one table space different extend sizes are defined in the source and target databases.

System action:

User response: Define matching extend sizes for corresponding table spaces.

BKI8765I   Checking redirected restore from '*source alias*' to '*target alias*' ...

Explanation: The system is testing whether the original database can be restored to the target location. It checks whether • the file system where the table space containers are to be created has sufficient free space. (If specified, normalizing and scaling are also considered.) • there are existing files and directories identical to the containers defined for the target database. This would indicate that a database of same name and of same structure already exists, and data could be overridden. • the structures of the source and target databases (table space types, page sizes, extend sizes) allow for a redirected restore.

System action:

User response: None.

BKI8766I   Check successful. Redirected restore possible with these settings.

Explanation: The redirected restore test finished successfully. Thus, the redirected restore operation can be started with the options specified for the test run.

System action:

User response: None.

BKI8767W   Warnings occurred.

Explanation: The redirected restore test detected one or more minor conflicts. These conflicts may or may not prevent a successful redirected restore operation. Nevertheless, it is recommended to resolve them.

System action:

User response: Check for and respond to preceding warning messages in the Backup Object Manager log.

BKI8768E   Check failed. Redirected restore not possible with these settings.

Explanation: The redirected restore test detected one or more major errors which will prevent a successful redirected restore with these settings.

System action:

User response: Check for and respond to preceding error messages in the Backup Object Manager log.

BKI8769E   Found multiple Tablespace Definition Information matching the given timestamp. Additional search conditions needed.

Explanation: More than one TDI file for a database backup image was found on the IBM Spectrum Protect server. In such a scenario, the integrity of the metadata assigned to a database backup images is violated and prevents an automatic redirected restore driven by BackOM.

System action:

User response: Contact your IBM support personnel.

BKI8770I   Getting Tablespace Definition Information used with the redirected restore operation from IBM Spectrum Protect...

Explanation: The system is retrieving the TDI image from the IBM Spectrum Protect server.

System action:

User response: None.

BKI8771E   The Tablespace Definition Information used with the redirected restore operation could not be retrieved.

Explanation: The TDI image specified could not be found.

System action:

User response: Provide the correct location of the TDI image.

BKI8772E   The selected database has a structure that prevents automatic cloning.

Explanation: You tried to clone an SAP database using redirected restore, but the database does not have the default directory structure of an SAP database. The cloning facility of Backup Object Manager redirected restore cannot be used for this system.

System action:

User response: You may use either the interactive or the batch mode of Backup Object Manager redirected restore.

BKI8773E   The interactive modification of the containers failed.

Explanation: You tried to interactively change the location of containers, but this operation failed.

System action: Processing ends.

User response: Contact IBM Support.

BKI8776E   You are not allowed to delete this container.

Explanation: You tried to delete the last container of a table space. However, at least one container must be available to every table space.

System action:

User response: Make sure that there is at least one container defined for every table space.

BKI8798E   Due to errors, you cannot continue the operation.

Explanation: You tried to start a restore operation after redefining the containers interactively, but errors were detected in the input data. The operation cannot continue.

System action:

User response: Check all table spaces with '!!' error marks in the list and correct the definitions of their containers. Then continue.

BKI8799E   A container must have a size of at least twice the extent size (*minimum size* for this tablespace).

Explanation: The container size specified is too small. The minimum size of a container is twice the extent size.

System action:

User response: Correct the container size.

BKI8800I   The command is: *command*

Explanation: Displays the command that was issued. The following commands are possible: Backup, Restore, Archive/Retrieve.

System action:

User response: None.

BKI8801I   Time: *time* **---** **PID:** *PID_Number*

Explanation: Displays the process id of the DB2 process which called the shared library.

System action:

User response: None.

BKI8802I   Found *number type* **image(s) on IBM Spectrum Protect server.**

Explanation: For restore and delete operations Data Protection for SAP queries IBM Spectrum Protect for backup images by means of a timestamp and shows the number of found images.

System action:

User response: None.

BKI8803I   **The DB2 image size for this session is about '**size**'.**

Explanation: The estimated size of the data to be backed up is displayed.

System action:

User response: None.

BKI8804W   **The recovery log could not be written.**

Explanation: After every backup or restore, Data Protection for SAP writes a record into the recovery log file tdprlf.<SID>.*node_name*.log. It is located in the path pointed to by environment variable TDP_DIR.

System action:

User response: Check, if the permissions are set correctly and if there is sufficient free space in your file system.

BKI8805I   **The restore was cancelled by the user. Existing data not overwritten.**

Explanation: The existing database is still operational.

System action:

User response: None.

BKI8806I   *product version**.**release**.**modification**.**level* **(***build_number**beta***)** *build_date*

Explanation: Writes version information into the product log file.

System action:

User response: None.

BKI8807I   **Archive log file '***log number***' of chain '***log chain number***'.**

Explanation: Writes information about the log file to be archived into the product log file.

System action:

User response: None.

BKI8808I   **Retrieve log file '***log number***' of chain '***log chain number***'. Seeking for IBM Spectrum Protect image '***image***'.**

Explanation: Writes information about the log file to be retrieved into the product log file.

System action:

User response: None.

BKI8810I   **Cleaning up resources of process '***PID_number***'.**

Explanation: All resources used by the product will be released.

System action: Processing continues.

User response: None.

BKI8812I   **Committed IBM Spectrum Protect sessions of this backup run will be deleted.**

Explanation: During a backup with multiple sessions, an error occurred. The backup operation is stopped. IBM Spectrum Protect sessions already committed during this operation are being deleted from the IBM Spectrum Protect server in order to prevent them from being considered restorable.

System action:

User response: None.

BKI8813E   **Error deleting committed IBM Spectrum Protect sessions.**

Explanation: One or more committed IBM Spectrum Protect sessions could not be deleted during the postprocessing of the failed backup run.

System action:

User response: Use the Backup Object Manager to delete the file(s) manually.

BKI8814I   **Inquired IBM Spectrum Protect with mask '***search mask***'.**

Explanation: The string denoted is used to inquire IBM Spectrum Protect for backup images.

System action:

User response: None.

BKI8815I   **Information for Log Manager:**
DB2_instance DB2_database_name
DB2_database_alias
log_and_log_chain_number partition

Explanation: The information listed is provided to the DB2 Log Manager.

System action:

User response: None.

BKI8816I   **DB2 version '***version***' detected.**

Explanation: IBM Spectrum Protect for ERP is running on a system where DB2 version *version* is set up.

System action:

User response: None.

BKI8817I   **No corresponding committed IBM Spectrum Protect session(s) found. Nothing will be deleted.**

Explanation: The cleanup of a failed IBM Spectrum Protect for ERP database backup could not find any partial IBM Spectrum Protect backup image of that run already stored on the IBM Spectrum Protect server for deletion.

System action:

User response: None.

BKI8818W   **Invalid value specified for BACKOM_LOCATION.**

Explanation: The BackOM executable was not started for collecting database metadata due to an invalid specification.

System action:

User response: Check the value of the IBM Spectrum Protect for ERP configuration parameter BACKOM_LOCATION. The parameter can be found in the vendor environment file and must contain the fully qualified name of the BackOM executable.

BKI8819I   **The IBM Spectrum Protect objects matching with mask '***search mask***' will be deleted.**

Explanation: The cleanup of a failed IBM Spectrum Protect for ERP database backup will delete any partial IBM Spectrum Protect backup image of that run already stored on the IBM Spectrum Protect server and matching *search mask*.

System action:

User response: None.

BKI8820E   **No valid IBM Spectrum Protect session found.**

Explanation: A running IBM Spectrum Protect for ERP workflow could not continue due to a missing IBM Spectrum Protect session.

System action:

User response: Contact your IBM support personnel.

BKI8821I   **Using option(s) '***options***'.**

Explanation: The *options* string specifies vendor options that DB2 provides to the IBM Spectrum Protect for ERP library as part of the calling function. These could be options directly provided as part of the database backup or restore command or options made persistent in the database configuration, here the parameters VENDOROPT, LOGARCHOPT1 or LOGARCHOPT2.

System action:

User response: None.

BKI8822I   **Configuration parameter(s):***parameters*

Explanation: The list specifies a set of runtime parameters that the IBM Spectrum Protect for ERP library is using for the calling workflow.

System action:

User response: None.

BKI8823W   **Configuration parameter SRC_DB_ALIAS requires parameter SRC_DB_INSTANCE and vice versa.**

Explanation: To be able to recover a database after a redirected restore using the built-in DB2 rollforward command, IBM Spectrum Protect for ERP needs both SRC_DB_ALIAS and SRC_DB_INSTANCE.

System action:

User response: Include both parameters SRC_DB_ALIAS and SRC_DB_INSTANCE in the IBM Spectrum Protect for ERP vendor environment file and retry the database recovery.

BKI8824I   **Partitioning backup image into segments of maximum '*size*'.**

Explanation: The backup image is partitioned into segments equal to the maximum *size* value. This partitioning is implemented per backup session.

System action: Processing continues.

User response: No user response is required.

BKI8825I   **Creating commit object for session *session_id* comprising overall *number* segment(s).**

Explanation: A commit object is created at the end of backup processing. This commit object guarantees the integrity of the backup object segments that compose a backup session. This action occurs on a per session basis where all backed up segments of a session are stored within that commit object. The commit object is used internally by IBM Spectrum Protect for Enterprise Resource Planning.

System action: Processing continues.

User response: No user response is required.

BKI8826I   **Found database image '*image_name*' partitioned into *number* segment(s).**

Explanation: The database backup image *image_name* was found on IBM Spectrum Protect. This image is partitioned into *number* segments.

System action: Processing continues.

User response: No user response is required.

BKI8827E   **Missing commit object.**

Explanation: The commit object cannot be located on IBM Spectrum Protect. The commit object is a prerequisite when restoring segmented backup images. It ensures that a valid database is not destroyed or overwritten by an incomplete database restore.

System action: Processing ends.

User response: Check IBM Electronic Support for additional information: http://www.ibm.com/ software/sysmgmt/products/support/ index.html?ibmprd=tivman

BKI8828E   **A backup object segment associated with backup image '*image_name*' is missing.**

Explanation: The integrity of the backup image '*image_name*' is violated due to a missing backup object segement.

System action: Processing ends.

User response: The backup image '*image_name*' cannot

be used for restore. Specify an older backup image for restore. In addition, start a new database backup as soon as possible.

BKI8899E   **Interface problem in function *function*: Value '*value*' of parameter '*parameter*' is not supported with DB2 version '*version*'.**

Explanation: An unknown action code during the program execution was encountered.

System action:

User response: Contact your IBM support personnel.

BKI9001E   **Internal error: *error***

Explanation: The following internal error: *error* has been encountered.

System action:

User response: Contact IBM Support.

BKI9002E   **Parameter 'all' is not supported.**

Explanation: The provided parameter is not supported. This error can be caused by nodes that are specified without being separated by commas.

System action: Processing ends.

User response: Make sure the specified nodes are separated by commas, then try the command again.

BKI9003E   **Incompatible components installed: *component name one*, *component name two***

Explanation: The components mentioned in the message text can not be used together. This may be the result of an incomplete upgrade.

System action:

User response: Contact IBM Support.

BKI9004E   **Location of the message catalog could not be figured out.**

Explanation: Data Protection for SAP locates the message catalog over the install directory. When Data Protection for SAP is exploited through a library like DB2 or Oracle/RMAN, then the environment variable XINT_NLS_CATALOG_PATH is mandatory.

System action: Processing stops.

User response: The environment variable XINT_NLS_CATALOG_PATH may be required..

BKI9005E   *A* **not supported by** *B*

Explanation: The installed version of product *B* does not support product *A*. Most likely you need to upgrade product *B*.

System action:

User response: Contact the IBM Support.

BKI9006E   **Internal error while reading environment variable:** *variable*

Explanation: This is an internal error.

System action:

User response: Contact IBM Support.

BKI9007W   **An error occurred while terminating the application:**
                 the error

Explanation: While terminating the application, an error occurred. This has no impact on the success of the operation.

System action:

User response: None.

BKI9008E   **This product requires at least version** *number* **of** *product name* **to be installed.**

Explanation: The version of the application *product name* is not supported by this application. Most likely application *product name* needs to be upgraded.

System action:

User response: Contact IBM Support.

BKI9009W   **The following products are not compatible:** *product name first* **(***product version first***) and** *product name second* **(***product version second***).**

Explanation: This message is similar to BKI9008E. But in this case it"s not obvious which one of the products needs to be upgraded.

System action:

User response: Contact IBM Support.

BKI9010E   **Could not determine installation directory for** *program***. Please restart the process using a fully qualified name.**

Explanation: The name of the path where a given program is located could not be determined.

System action:

User response: Contact your IBM support personnel.

BKI9011E   **There was no response received within** *number* **seconds; timeout is expired. You can increase the timeout by specifying the profile parameter** *timeoutphase* **for the current phase of the backup or restore operation.**

Explanation: The communication between two program components was suspended or stopped, which can lead to a timeout.

System action:

User response: Increase the timeout by specifying the profile parameter TIMEOUT_<PHASE> for the current phase of the backup or restore operation. If this does not solve the probblem please contact your IBM support personnel.

BKI9012E   **One of the requested data containers is already the subject of a restore.**

Explanation: A restore of the same data has already been requested.

System action: Processing stops.

User response: Multiple restore operations are usually prevented by the database system. If there are no multiple restore operations performed concurrently, then contact IBM support for this problem.

BKI9013E   **Concurrent restore of objects being backed up with multiple device agents is not supported.**

Explanation: This special restore scenario is unsupported.

System action:

User response: Contact your IBM support personnel.

BKI9014E   **Failed to load library:** *library* **reason:**
                 reason

Explanation: The ACS library could not be loaded.

System action:

User response: Contact your IBM support personnel.

BKI9015E   **Failed to locate functions in library:**
                 library **reason:**
                 reason

Explanation: One or more functions could not be found in the ACS library.

System action:

User response: Contact your IBM support personnel.

BKI9198E   **While processing path** *path_name*, **an error occurred.**
The following error information was received:
detailed_error_information

Explanation: This message indicates that a problem occurred while processing the following path: *path_name*. If you are protecting data for DB2 applications, this path contains one or more of the database files to be included in the operation. If you are protecting data for Oracle databases or the Custom Application Agent, this path was provided in the in-file specified with the flag "-I <infile_name>" in the command.

System action: The operation stops. The operation cannot continue until the error is resolved.

User response: To help resolve the problem the *detailed_error_information* is available. After you resolve the issue, enter the command again.

BKI9199E   **The following command returned with an error:**
command
The return code from this command is
return_code
The following command output was received:
command_output
Additional support information: An exception was thrown at position:
position(*line*).

Explanation: This message indicates that the *command* returned with the error indicated by *return_code*. Any additional *command_output* is provided.

System action: The operation stops. The operation cannot continue until the error is resolved.

User response: To help resolve the problem the *command_output* is available. After you resolve the issue, enter the command again.

BKI9200E   **Additional support information: An exception was thrown at position:**
position(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9201E   **Additional support information: An exception was thrown at position:**
position(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored.

Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9202E   **Additional support information: An exception was thrown at position:**
position(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9203E   **Additional support information: An exception was thrown at position:**
position(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9204E   **Additional support information: An exception was thrown at position:**
file(*line*) **(text_description).**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9205E   **Additional support information: Unable to instantiate** *name* **at** *file*(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9206E   **Additional support information: Unable to use** *actual* **when expecting** *expected* **at** *file*(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9207E   Additional support information: An exception was thrown at position: *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9208E   System error *errno*: *errno text* **at position:** *file*(*line*)**.**

Explanation: A system call failed with *errno*.

System action:

User response: Check *errno* and *errno* text with you system administrator. If you cannot resolve the problem, contact IBM Support.

BKI9209E   Additional support information: No handler registered for message type *message***. Thrown at position:** *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9210E   ESD_AbortDispatchingException thrown at position: *file*(*line*)**.**

Explanation: An internal error occurred.

System action:

User response: Contact IBM Support.

BKI9211E   Additional support information: An exception was thrown at position: *file*(*line*)**. (State** *state***)**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9212E   Additional support information: No handler registered for message type (*message_type*, *classname***). Thrown at position:** *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9213E   A memory allocation request failed at position: *file*(*line*)**.**

Explanation: This error message indicates an out-of-storage condition. It may occur due to a previous error, or it may be owed to a large size of the internal buffers.

System action:

User response: Check for and respond to preceding error messages. You may also want to reduce the size of the internal buffers (keyword BUFFSIZE in the Data Protection for SAP profile).

BKI9214E   Additional support information: An exception was thrown from a destructor.

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9215E   The maximum string length supported for *name* **is** *length***.**

Explanation: The supported string length of a system component, e.g. file name or hostname has been violated.

System action:

User response: Check the components involved in the operation. If the problem cannot be resolved contact your IBM support personnel.

BKI9216E   Additional support information: An exception was thrown at position: *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9217E   Additional support information: An exception was thrown at position: *file*(*line*)**.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9218E   Additional support information: An exception was thrown at position: *file*(*line*).

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9219E   Additional support information: Invalid error type *type* encountered.

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact IBM Support.

BKI9220E   Additional support information: Second call of *call*.

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact your IBM Support.

System action:

User response: Contact your IBM Support.

BKI9221E   The operation ended prematurely with return code *rc*. An exception was thrown at position: *file*(*line*).

Explanation: An operation could not be finished successfully due to an unexpected termination.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI9222E   A snapshot-type operation was interrupted, Additional support information: An exception was thrown at position: *file*(*line*).

Explanation: A snapshot operation could not be finished successfully due to an unexpected interruption.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI9223E   The operation will be aborted.

Explanation: An internal error during an operation leads to an abort of that operation.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI9224E   The operation will be aborted. Check for other error messages in the log files.

Explanation: An internal error during an operation leads to an abort of that operation.

System action:

User response: Check the logs for further information. If the problem cannot be resolved contact your IBM support personnel.

BKI9225E   The keyword '*keyword*' has not been found in the line '*line*' of the file '*file_name*'. Please change it back to the original value if you modified it.

Explanation: Occurs for example if the entries in the file /etc/inittab have been modified before a second installation.

System action:

User response: Change the modified *line* in the *file_name* back to the original value, *keyword* gives a hint to what is expected.

BKI9226E   The ASM instance with SID='*instance id*' is not available. Please check if the ASM_INSTANCE_ID is set to the right ASM instance, if yes start it and check the availability.

Explanation: The ASM instance with the specified SID could not be accessed.

System action: Processing ends.

User response: Check if the ASM instance with the specified SID is available and started.

BKI9227E   The ASM diskgroup '*diskgroup*' has not been found. Ensure that it is available.

Explanation: The specified diskgroup is needed for the backup but it has not been found in the ASM instance.

System action: Processing ends.

User response: Please ensure that the diskgroup is available in your ASM instance and that it is mounted.

BKI9228E   **Excpected ASM file but found file: '*file*'**

Explanation: ASM files were expected, but a non-ASM file has been found. This might occur if your database resides on ASM and non-ASM files.

System action: Processing ends.

User response: Please ensure that you do not have a mixed environment with ASM and non-ASM files.

BKI9229E   **Excpected file but found ASM file: '*file*'**

Explanation: Non-ASM files were expected, but an ASM file has been found. This might occur if your database resides on ASM and non-ASM files.

System action: Processing ends.

User response: Please ensure that you do not have a mixed environment with ASM and non-ASM files.

BKI9230E   **The SSL/TLS certificate provided by the server is missing a valid subject DN or issuer DN field.**

Explanation: The subject DN or issuer DN field of the certificate provided by the server is missing. Both fields are mandatory fields to allow a validation of the certificate.

System action: The task stopped before successfully completing.

User response: Import a valid server certificate to the key ring database 'fcmcert.kdb'.

BKI9231E   **The SSL/TLS certificate provided by the server is not proving its supposed identity.**

Explanation: The SSL/TLS certificate provided by the server is not issued for the server that was supposed to connect. The alternative name or subject CN field of the certificate does not match the hostname or IP address of the server that was actually connected.

System action: The task stopped before successfully completing.

User response: Revalidate the correctness of the certificate that has been imported to the key ring database 'fcmcert.kdb'. Its alternative name or subject CN field needs to match the hostname or IP address as stated in the IBM Spectrum Protect Snapshot profile (GLOBAL section, parameter ACSD).

BKI9300E   **Additional support information: Aborting 'send' operation. See previous error.**

Explanation: This error may have been caused by previous errors.

System action:

User response: Check for previous errors and correct them.

BKI9301E   **Additional support information: State *state* does not match state pattern *pattern*.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact IBM Support.

System action:

User response: Contact your IBM Support.

BKI9302E   **Additional support information: A process ended unexpectedly. Check previous error messages.**

Explanation: This error message typically follows a previous error. If so this error message can be ignored. Otherwise contact your IBM Support.

System action: Processing ends

User response: Contact your IBM Support.

BKI9306I   **Dumping callstack.**

Explanation: This message is always preceded by an error message indicating the problem. It provides additional information that might help IBM Support to analyze the cause of the problem.

System action:

User response: If you need to call IBM Support, provide the information given in this message together with the error information.

BKI9307E   **Did not find a winsock dll compatible with version *major_winsock version*.*minor_winsock version*. Version found is *low_byte_available version*.*high_byte_available version*.**

Explanation: The product failed to load the appropriate winsock dll.

System action: Processing stops.

User response: Contact your system administrator.

BKI9308E   **A socket request timed out after processing *number of bytes* bytes. *file*(*line*).**

Explanation: A socket request was issued with a timeout and the requested action could not be completed within the time specified. It was cancelled after processing *number of bytes* bytes.

System action:

User response: If you need to call IBM Support, provide the information given in this message together with the error information.

BKI9309E **Operation terminated due to an explicit abort request.**

Explanation: An operation was terminated due to customer intervention.

System action:

User response: None.

BKI9310E **Could not add** *backup_id* **to the repository at** *path***.**

Explanation: The system was not able to add information on the named backup to the repository located in the path indicated.

System action:

User response: Make sure the repository path is set correctly. If you need to correct the repository location, restart the server executable afterwards. If the problem persists contact your IBM support personnel.

BKI9311E **Could not find** *backup_id* **in the repository at** *path***.**

Explanation: Information on the backup denoted by the backup ID could not be found in the repository located in the path indicated.

System action:

User response: Make sure the repository path is set correctly. If you need to correct the repository location, restart the server executable afterwards. If the problem persists contact your IBM support personnel.

BKI9312E *backup_id* **is currently locked in the repository at** *repository***.**

Explanation: The information on the backup denoted by the backup ID is currently locked by a different process. Make sure to run only a single operation using a specific backup at a time.

System action:

User response: Wait for the other operation to finish or abort this operation. Then start again. If the problem persists contact your IBM support personnel.

BKI9313E **Failed to update** *backup_id* **in the repository at** *path***.**

Explanation: The information on the named backup could not be updated in the repository located at the path named.

System action:

User response: Check the logs for other messages pointing to the cause of this problem. Resolve any problems indicated. If the problem persists contact your IBM support personnel.

BKI9314E **Could not remove** *backup_id* **from the repository at** *path***.**

Explanation: An attempt to remove the information on the backup named from the repository located at the path indicated failed.

System action:

User response: Check the logs for other messages pointing to the cause of this problem. Resolve any problems indicated. If the problem persists contact your IBM support personnel.

BKI9315E **Could not access the repository at '***path***' because it is currently locked by another process.**

Explanation: When starting up, the server tried to load the repository located at the path named. However, the repository was locked by a different process. This can happen if two server processes try to use the same repository. This is not supported.

System action:

User response: Make sure each instance of the server uses its own repository.

BKI9316E **The name '***name***' refers to an existing file or directory, but it does not appear to be a valid repository. In order to continue you need to specify either a non existing directory or the path of an existing valid repository.**

Explanation: The server could not locate its repository when it started.

System action:

User response: Correct the profile or the call as appropriate.

BKI9317E **The specified backup id '***backup_id***' must have** *char_count* **characters. If the specified amount of characters exists, make sure there are no special characters.**

Explanation: The length of the specified backup id is incorrect.

System action:

User response: Correct the length of the backup id to match the specified length.

BKI9318E **The file '***filename***' has not been found. It is required for the device agent to function. Check your installation.**

Explanation: The specified file has not been found even though it was included in the installation.

System action:

User response: Check that the specified file is available in the specified location. Consider installing the product again in order to make the file available.

BKI9328E   **An error occurred in the secure communication layer when running the following function:** *function*. **GSKit return code:** *numeric return code*. **GSKit error:** *return value*.

Explanation: Information about the error is provided in the *return value*.

System action: The task stopped before successfully completing.

User response: Resolve the problem identified in the *return value*. Try the operation again.

BKI9329E   **An error occurred when the software tried to link the SSL Implementation to GSKit. GSKitWrapper error:** '*linker error*'

Explanation: Information about the error is provided in *linker error*.

System action: The task stopped before successfully completing.

User response: Resolve the problem identified in the *linker error*. Try the operation again.

Appendix. Accessibility features for the IBM Spectrum Protect product family

Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully.

Overview

The IBM Spectrum Protect family of products includes the following major accessibility features:
- Keyboard-only operation
- Operations that use a screen reader

The IBM Spectrum Protect family of products uses the latest W3C Standard, WAI-ARIA 1.0 (www.w3.org/TR/wai-aria/), to ensure compliance with US Section 508 (www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards) and Web Content Accessibility Guidelines (WCAG) 2.0 (www.w3.org/TR/WCAG20/). To take advantage of accessibility features, use the latest release of your screen reader and the latest web browser that is supported by the product.

The product documentation in IBM Knowledge Center is enabled for accessibility. The accessibility features of IBM Knowledge Center are described in the Accessibility section of the IBM Knowledge Center help (www.ibm.com/support/knowledgecenter/about/releasenotes.html?view=kc#accessibility).

Keyboard navigation

This product uses standard navigation keys.

Interface information

User interfaces do not have content that flashes 2 - 55 times per second.

Web user interfaces rely on cascading style sheets to render content properly and to provide a usable experience. The application provides an equivalent way for low-vision users to use system display settings, including high-contrast mode. You can control font size by using the device or web browser settings.

Web user interfaces include WAI-ARIA navigational landmarks that you can use to quickly navigate to functional areas in the application.

Vendor software

The IBM Spectrum Protect product family includes certain vendor software that is not covered under the IBM license agreement. IBM makes no representation about the accessibility features of these products. Contact the vendor for accessibility information about its products.

Related accessibility information

In addition to standard IBM help desk and support websites, IBM has a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services:

TTY service
800-IBM-3383 (800-426-3383)
(within North America)

For more information about the commitment that IBM has to accessibility, see IBM Accessibility (www.ibm.com/able).

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Glossary

A glossary is available with terms and definitions for the IBM Spectrum Protect family of products.

See the IBM Spectrum Protect glossary.

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