IBM Spectrum Protect for Virtual
Environments
Version 8.1.6

*Data Protection for Microsoft Hyper-V
Installation and User's Guide*

IBM

Note:

Before you use this information and the product it supports, read the information in "Notices" on page 1.

Contents

About this publication

This publication provides overview, planning, and user instructions for IBM Spectrum Protect for Virtual Environments: Data Protection for Microsoft Hyper-V.

Who should read this publication

This publication is intended for administrators and users who are responsible for implementing a backup solution with IBM Spectrum Protect for Virtual Environments: Data Protection for Microsoft Hyper-V in one of the supported environments.

In this publication, it is assumed that you have an understanding of the following applications:

- Microsoft Windows Server 2016 with the Hyper-V role installed
- Microsoft Windows Server 2012 or 2012 R2 with the Hyper-V role installed
- The IBM Spectrum Protect backup-archive client
- The IBM Spectrum Protect server

Publications

The IBM Spectrum Protect product family includes IBM Spectrum Protect Plus, IBM Spectrum Protect for Virtual Environments, IBM Spectrum Protect for Databases, and several other storage management products from IBM®.

To view IBM product documentation, see IBM Knowledge Center.

What's new for Version 8.1.6

IBM Spectrum Protect for Virtual Environments: Data Protection for Microsoft Hyper-V Version 8.1.6 introduces new features and updates.

New and changed information in this product documentation is indicated by a vertical bar (|) to the left of the change.

The following features and updates are new for this release:

Protect in-guest applications
Use Data Protection for Microsoft Hyper-V to protect Microsoft Exchange Server and Microsoft SQL Server that run inside Hyper-V VM guests in a Microsoft Hyper-V environment.

You can make application-consistent backups of the VMs that host Microsoft Exchange Server or Microsoft SQL Server data. You can then restore selected application backups from the VMs.

For more information, see:

- Protecting Microsoft Exchange Server data in Hyper-V environments
- Protecting Microsoft SQL Server data in Hyper-V environments
- INCLUDE.VMTSMVSS

Verify the configuration of Data Protection for Microsoft Hyper-V by using the Data Protection for Microsoft Hyper-V Management Console or a PowerShell cmdlet
To help you resolve configuration issues, you can use the Data Protection for Microsoft Hyper-V Management Console or the `Test-DpHvConfiguration` PowerShell cmdlet to verify a Data Protection for Microsoft Hyper-V configuration.

For more information, see:

- Verifying the configuration of Data Protection for Microsoft Hyper-V
- Data Protection for Microsoft Hyper-V cmdlet examples

Configure an environment in which multiple tenants host virtual machines on the same server
When you use the configuration wizard to configure Data Protection for Microsoft Hyper-V, a default naming convention is used for the nodes that are created automatically.

However, if you want to support a storage environment in which multiple tenants host their virtual machines (VMs) on the same server, you must add a prefix, a suffix, or both to the default node names.

For instructions, see Customizing node names.

Back up VM disks that are up to 8 TB in size
You can now back up VM disks (VHDX) that are up to 8 TB in size. Use the vmmaxvirtualdisks option to specify the maximum size of VHDX disks to include in backup operations. Use the vmskipmaxvirtualdisks option to specify whether to skip backing up VMs that exceed the maximum VHDX size or to fail the backup operation.

For more information, see:

- Vmmaxvirtualdisks
- Vmskipmaxvirtualdisks

Exclude VM disks from or include VM disks in backup operations on Windows Server 2012
For Hyper-V hosts on Windows Server 2012 operating systems, you can now select VM disks (VHDX) for backup operations.

To select VM disks for ad hoc backup operations, see Running an ad hoc backup of a virtual machine.

To select VM disks by changing settings in the options file (`dsm.opt`) or at the command-line interface, see the following topics:

- Exclude.vmdisk
- Include.vmdisk
- Domain.vmfull
- Backup VM
- Running an ad hoc backup of a virtual machine

This feature was previously available only on Windows Server 2016.

Take advantage of upgrade flexibility in a cluster environment
In environments with multiple clusters and hosts, you can upgrade Data Protection for Microsoft Hyper-V on a staggered schedule. When you install a newer product version on one cluster or host, earlier versions of the Data Protection for Microsoft Hyper-V Management Console and PowerShell cmdlets can connect to the newer version. This feature gives you more time to upgrade your environment.

For more information, see Compatibility with different versions.

Accept certificates for improved security
To help ensure that your environment is secure, you are prompted to accept security certificates when you connect to new Hyper-V hosts.

For more information, see:

- Starting the Data Protection for Microsoft Hyper-V Management Console
- Preparing to use PowerShell cmdlets with Data Protection for Microsoft Hyper-V

Additional installation options are available
In a typical installation, all components of Data Protection for Microsoft Hyper-V are included. However, you can use advanced installation options to install only the Data Protection for Microsoft Hyper-V Management Console or only the data mover.

- For remote management of Data Protection for Microsoft Hyper-V, install only the Data Protection for Microsoft Hyper-V Management Console. For instructions, see Installing only the Data Protection for Microsoft Hyper-V Management Console.
- For backup and restore operations and in-guest application protection restore operations, install only the data mover. For instructions, see Installing only the Data Protection for Microsoft Hyper-V data mover.

The separate installation of the recovery agent is no longer available. The recovery agent is included in the data mover installation.

For a list of new features and updates for the current and previous V8.1 releases, see Data Protection for Microsoft Hyper-V updates.

Appendix A. Troubleshooting

Solutions to Data Protection for Microsoft Hyper-V issues are provided.

The following topics are available:

Locating log files

For information about Data Protection for Microsoft Hyper-V log files, see the following topics:

- Data Protection for Microsoft Hyper-V log activity options
-

Troubleshooting with PowerShell cmdlets

You can troubleshoot Data Protection for Microsoft Hyper-V operations with PowerShell cmdlets. For more information, see .

Virtual machine backup fails with the 0x800705B4 error in the Hyper-V event log

During VM backup operations on Windows Server 2016, this error can occur if you run a resilient change tracking (RCT) full backup of a virtual machine (VM) with many VM disks. The snapshot operation either times out or runs out of space on the file space on the server.

If the VM backup operation fails, search the Hyper-V event log for the 0x800705B4 error. If this error is present, complete the following steps to help improve the performance of the snapshot operation:

1. Ensure that the Hyper-V VM is a generation 2 VM.
2. Ensure that only SCSI disks are attached to the generation 2 VM (instead of a mix of SCSI and IDE disks).
3. Move the Hyper-V snapshot folder from the default location (`C:\ProgramData\Microsoft\Windows\Hyper-V\Snapshots`) to a faster drive that is not the Windows system drive (for example, the `D:` drive).

Unsupported characters in virtual machine and Hyper-V host or cluster names

Data Protection for Microsoft Hyper-V does not support backing up virtual machines and Hyper-V hosts or clusters that contain any of the following characters in their name:

"

  Double quotation mark

'

  Single quotation mark

:

  Colon

;

  Semicolon

*

  Asterisk

?

  Question mark

,

  Comma

<

  Less than sign

>

  Greater than sign

/

  Forward slash

****

  Backward slash

|

  Vertical bar

The file restore interface shows the wrong drive letter assignments and the system reserved disk

Ensure that the automount feature on Windows is not enabled.

By default, the Data Protection for Microsoft Hyper-V installer automatically disables the automount feature with the `diskpart` command. This action is required to show correct drive letter assignments and to hide the system reserved disk in the IBM Spectrum Protect file restore interface.

The automount feature was most likely enabled after the installation of Data Protection for Microsoft Hyper-V. Use the `diskpart` command to disable the automount feature.

An SSL connection cannot be made

The following message might appear in the Data Protection for Microsoft Hyper-V Management Console if the SSL certificate is invalid in any way, such as if you reinstalled Data Protection for Microsoft Hyper-V and the old SSL certificate was not deleted.

`GVM6065E The SSL Connection could not be made. The IBM Spectrum Protect SSL certificate is missing. Check for valid IBM Spectrum Protect certficate in the TSM-ve-trustore.jks RC=215`

Delete all the files in the `C:\IBM\SpectrumProtect\webserver\usr\servers\veProfile \tsmVmGUI\truststores` folder. Then, and restart the Data Protection for Microsoft Hyper-V Management Console and run the configuration wizard. Accept the security certificate when prompted.

The SSL certificate for the agent is not valid

You might receive an SSL connection error if the security certificate for the remote client agent is not valid or not up-to-date.

For example, if the certificate files (`dsmcert.sth`, `dsmcert.idx`, and `dsmcert.kdb`) in the `C:\Program Files\Tivoli\TSM\baclient` directory were deleted or are corrupted, the following message appears in the data mover error log (`dsmerror.`*hostname*`_HV_DM.log`):

```
ANS1592E Failed to initialize SSL protocol.
```

The method that you use to resolve this problem depends on the level of the IBM Spectrum Protect server that you are connecting to:

- If you are connecting to an IBM Spectrum Protect Version 8.1.2 or later server, or a V7.1.8 or later V7 server, complete one of the following steps:

  - Stop the client acceptor service on the data mover node and mount proxy node (if file restore is enabled) and re-run the Data Protection for Microsoft Hyper-V configuration wizard on the stand-alone host or on any host in a cluster.

    For more information, see Configuring Data Protection for Microsoft Hyper-V with the wizard.

  - Update the node definition on the IBM Spectrum Protect server by specifying the SESSIONSECURITY=TRANSITIONAL parameter. The security certificate is re-created when you sign on to the IBM Spectrum Protect server from the Data Protection for Microsoft Hyper-V Management Console.

    For more information, see UPDATE NODE.

- If you are connecting to an IBM Spectrum Protect V8.1.1 or earlier V8 server, or a V7.1.7 or earlier server, see Dsmcutil commands: Required options and examples.

A VM backup or restore operation cannot start when another VM operation is in progress

The following message is displayed if a backup or restore operation is started while another VM operation is in progress:

ANS5176W The requested virtual machine operation cannot be performed because a virtual machine backup or restore operation is already in progress. Please retry the operation after the first operation completes.

This message appears in the following situations:

- You started a backup or restore operation of a VM and another backup or restore operation is already in progress on the same host.

- You started a backup or restore operation of a VM and another scheduled backup of any VM on the same host is running, or if someone else interactively started the operation from another location.

If you encounter this message, wait for the running operation to finish, then restart your backup or restore operation.

Related reference
Troubleshooting application protection of guest virtual machines

Troubleshooting Data Protection for Microsoft Hyper-V operations

You can retrieve diagnostic information to resolve Data Protection for Microsoft Hyper-V issues by running Microsoft Windows PowerShell cmdlet commands.

Before you begin

Ensure that you prepare your environment to use PowerShell cmdlets. For more information, see Preparing to use PowerShell cmdlets with Data Protection for Microsoft Hyper-V.

Procedure

Complete the following steps on the system where Data Protection for Microsoft Hyper-V is installed.

1. Display log file information in a PowerShell Viewer by issuing the following command:

   ```
   PS C:\> Show-DpHvApiLogEntries
   ```

   You can investigate and share log information in the PowerShell Viewer with any of the following actions:

   - Enter a term to filter the results.
   - Click **Add criteria** to filter the information by more detailed specifications.
   - Click one or more rows to save or copy their content for sharing.

2. Display the trace information from a trace file by issuing the following command:

   ```
   PS C:\> Show-DpHvApiTraceEntries
   ```

3. To gather logs to review detailed diagnostic information parameter or to send to IBM Support, save the logs in a compressed file by issuing the following command:

   ```
   PS C:\> Get-DpHvProblemDeterminationInfo -review
   ```

   By default, this command saves the `DpHvProblemDetermination.zip` file on the desktop.

   Tip: If this command returns an error in the default "PowerShell" interface, start the "PowerShell ISE" interface as an administrator. Then, run the command again.

4. Optional: Each Data Protection for Microsoft Hyper-V cmdlet provides parameters.
   To view parameters, issue the following `help` command:

   ```
   help cmdlet name -ShowWindow
   ```

Related reference

Data Protection for Microsoft Hyper-V log activity options

"Trace options for Data Protection for Microsoft Hyper-V" on page 4
By setting tracing options in the `FRLog.config` file, you can troubleshoot problems that you might encounter during Data Protection for Microsoft Hyper-V and file restore operations.

Trace options for Data Protection for Microsoft Hyper-V

By setting tracing options in the `FRLog.config` file, you can troubleshoot problems that you might encounter during Data Protection for Microsoft Hyper-V and file restore operations.

Modify the options in the `FRLog.config` file with a text editor in administrator mode. The `FRLog.config` file is in the following directory:

```
C:\IBM\SpectrumProtect\webserver\usr\servers\veProfile\frGUI
```

FR.API.TRACE=ON | OFF

Specify whether to trace API activity at the recommended level of detail.

Note: The following values are also supported and indicate the least, recommended, and highest level of detail: DEBUG, TRACE, ALL.

API_MAX_TRACE_FILES=*number*

Specify the maximum number of trace files to be created or used. The default value is 8.

API_MAX_TRACE_FILE_SIZE=*number*

Specify the maximum size of each trace file in KB. The default value is 8192 KB.

API_TRACE_FILE_NAME=*API_trace_file_name*

Specify the name of the API trace file. The default value is `fr_api.trace`.

API_TRACE_FILE_LOCATION=*API_trace_file_location*

Specify the location of the API trace file. Specify the location by using a forward slash (/). The default location is `install_directory`/IBM/SpectrumProtect/webserver/usr/servers/veProfile/logs.

Appendix B. Data Protection for Microsoft Hyper-V messages

Explanations and suggested actions are provided for messages that are issued by Data Protection for Microsoft Hyper-V.

Messages that begin with the GVM prefix are provided in ascending numerical order. In some messages, the explanation and user action are provided in the message itself.

Some messages that begin with the GVM prefix are also shared with IBM Spectrum Protect for Virtual Environments: Data Protection for VMware.

For messages that begin with the ANS prefix, see ANS 0000-9999 messages.

GVM5900E	The operation failed with return code *return code*

GVM5901E	An internal error occurred: *type of error*

GVM5902E	A connection with the server could not be established.

Explanation

The server might not be running.

User response

Check the network connection with the server machine. Verify that the server is running and try to log in again.

GVM5903W	Are you certain that you want to delete this data?

Explanation

You cannot recover the data after it is deleted. Ensure that the data is not needed before you delete it.

User response

Click OK to delete the data or click Cancel to cancel this action.

GVM5904W	The connection with the server has timed out.

Explanation

Possible causes include a long-running operation, a problem on the server, or a communications problem.

User response

If the operation is long-running, the operation might be complete or it might soon be complete. Before trying the operation again, determine if the expected result occurred. Check the activity log of the server for errors related to the operation. Using a SSL port without selecting SSL can cause this error.

GVM5905W	The VM *VM name* exists, are you going to over-write it?

GVM5906W	The VM *VM name* is running, make sure the system is powered down, then hit OK to continue.

GVM5907I	A server connection with the name *server name* has been successfully created. Click OK to continue.

GVM5908W	There is no server definition found.

Explanation

A connection for a server must be defined before any server operations or queries are performed.

User response

To define a server:

1. Click the Configuration tab.
2. Click the Edit Configuration Settings action link.
3. Click the Server Credentials tab.

GVM5909I	The VM *VM name* is spanned into multiple datastores. It can only be restored to its original location.

GVM5910E	An error occurred while writing to the server's database file, server.props

Explanation

The server definition could not be written to the server.props file.

User response

The file must reside in the install directory of the Data Protection for Virtual Environments. Before you try the action again, verify that the file exists and that the file is not write protected.

GVM5911E	A connection with the vCenter server could not be established.

Explanation

The server might not be running.

User response

This might indicate a network problem. Ensure that the server is running and the machine is accessible. Try the action again.

GVM5912I	A connection with the vCenter server has been established.

GVM5913E	The VMCLI inquire configuration command failed, the following messages describe the error.

Explanation

The Derby database might not be running.

User response

Correct the problem. Try the action again.

GVM5914I	The VMCLI inquire configuration command completed successfully.

GVM5915E	Failed to determine which product or products are installed.

Explanation

See message.

User response

Correct the problem. Try the action again.

GVM5916I	Successfully determined which product or products are installed.

GVM5917E	Multiple restore points have been selected, but they are not located in the same datacenter.

Explanation

Selecting restore points from different datacenters is not permitted. The restore points must all be located in the same datacenter.

User response

Select the restore points from the same datacenter or select just a single restore point.

GVM5918E	Multiple restore points have been selected, but they are not from the same backup.

Explanation

Selecting restore points from different backups is not permitted. The restore points must all be located in the same backup.

User response

For restores from , all restore points must come from the same backup. You cannot restore multiple VMs that come from of different backups.

GVM5919E	A key configuration file is missing: vmcliConfiguration.xml.

Explanation

The file vmcliConfiguration.xml is required for the GUI to operate, but has not been found during GUI session startup. This is an unusual problem, it may be due to an install issue or manual editing of the file.

User response

Make sure the file is located in the correct directory, has correct access permissions, and has valid syntax for its content. Retry accessing the GUI.

GVM5920E	Invalid mode tag in file vmcliConfiguration.xml.

Explanation

The xml tag mode in file vmcliConfiguration.xml is required for the GUI to operate, but is missing or has an incorrect value. This may be due to an install issue or manual editing of the file.

User response

Make sure the tag is specified with a valid value. Retry accessing the GUI.

GVM5921E	Invalid enable_direct_start tag in file vmcliConfiguration.xml.

Explanation

The xml tag enable_direct_start in file vmcliConfiguration.xml is required for the GUI to operate, but is missing or has an incorrect value. This

may be due to an install issue or manual editing of the file.

User response

Make sure the tag is specified with a valid value. Retry accessing the GUI.

GVM5922E	Invalid URL tag for the specified mode tag in file vmcliConfiguration.xml.

Explanation

In file vmcliConfiguration.xml, the URL tag corresponding to the specified mode tag is required for the GUI to operate, but is missing or has an incorrect value. This may be due to an install issue or manual editing of the file.

User response

Make sure the correct URL tag is specified with a valid value for the specified mode. Retry accessing the GUI.

GVM5923E	Invalid VMCLIPath tag in file vmcliConfiguration.xml.

Explanation

The xml tag VMCLIPath in file vmcliConfiguration.xml is required for the GUI to operate, but is missing or has an incorrect value. This may be due to an install issue or manual editing of the file.

User response

Make sure the tag is specified with a valid value. Retry accessing the GUI.

GVM5924E	Invalid interruptDelay tag in file vmcliConfiguration.xml.

Explanation

The xml tag interruptDelay in file vmcliConfiguration.xml is required for the GUI to operate, but is missing or has an incorrect value. This may be due to an install issue or manual editing of the file.

User response

Make sure the tag is specified with a valid value. Retry accessing the GUI.

GVM5925E	The VM name entered *VM name* conflicts with an existing VM. Please enter a different name.

GVM5926E	An error occurred while processing the request to the Web server. If this error persists, check the network connection with the Web server and verify that the Web server is running. Detail: *exception* *exception message*
GVM5927E	A request to the server took too long to complete. If this error persists, check the network connection with the Web server and verify that the Web server is running.
GVM5928E	An error occurred while processing the response from the Web server. Detail: *error*
GVM5929E	An error occurred while making the Web server request. If this error persists, check the network connection with the Web server and verify that the Web server is running. Error: *message*
GVM5930E	No matching device class found. Please return to source page and reselect.
GVM5931E	No matching proxy node found. Please return to source page and reselect.
GVM5932E	No proxy ESX hosts available.
GVM5933I	Password set successfully.
GVM5934E	Set password failed. Error: *message*

Explanation

The password may be incorrect or the server is not running.

User response

Verify the password is correct then try the action again. Or check the network connection with the server machine and verify that the server is running then try the action again.

GVM5935E	Get managed domain failed. Error: *message*
GVM5936E	Multiple restore points have been selected, but they are not the same backup type.

Explanation

Selecting restore points of different types is not allowed. The restore points must all be located on either a server or in the repository.

User response

Select the same type of restore points or select just a single restore point.

GVM5937E	Backup ID is null.

Explanation

An internal error occurred.

User response

Refresh the table and perform the action again.

GVM5938E	Task ID is null.

Explanation

An internal error occurred.

User response

Refresh the table and perform the action again.

GVM5939E	Could not open a pop-up window.

Explanation

An internal error occurred.

User response

Try the action again.

GVM5940E	Virtual machine name is null.

Explanation

An internal error occurred.

User response

Refresh the table and perform the action again.

GVM5941E	Datastore does not exist.

Explanation

An internal error occurred.

User response

Refresh the table and perform the action again.

GVM5942I	No selection was made, the whole virtual machine will be attached.

Explanation

No selection was made.

User response

Continue with the action or cancel the action.

GVM5943I	Domain set successfully.
GVM5944E	Set domain failed. Error: *message*

Explanation

The server might not be running.

The permissions on the file directory may be incorrect.

User response

Check the network connection with the server machine. Verify that the server is running and try the action again.

Check the permissions of the directory indicated in SystemErr.log if error indicates incorrect permissions.

GVM5945E	The schedule requires use of the following datacenters that are not in the active domain. Datacenters: *list* Action: This schedule may not be updated, instead either update the domain construct to include the datacenters, or create a new schedule without dependence on these datacenters. Detail: The schedule definition is as follows: Schedule Summary *summary*
GVM5946E	The schedule requires use of the following datacenters that are not known to the system. Datacenters: *list* Action: This schedule may not be updated, instead create a new schedule without dependence on these datacenters. Detail: The schedule definition is as follows: Schedule Summary: *summary*
GVM5947E	The schedule requires use of the following hosts that are not known to the system. Hosts: *list* Action: This schedule may not be updated, instead create a new schedule without dependence on these hosts.

	Detail: The schedule definition is as follows: **Schedule Summary:** *summary*	
GVM5948E	**The schedule requires use of the following datastores that are not known to the system.** **Datastores:** *list* **Action: This schedule may not be updated, instead create a new schedule without dependence on these datastores.** **Detail: The schedule definition is as follows:** **Schedule Summary:** *summary*	
GVM5949E	**The schedule requires use of the following virtual machines that are not known to the system.** **Virtual Machines:** *list* **Action: This schedule may not be updated, instead create a new schedule without dependence on these virtual machines.** **Detail: The schedule definition is as follows:** **Schedule Summary:** *summary*	
GVM5950I	**Password set successfully.** **Warning:** *message*	

Explanation

The password was set successfully with a warning.

User response

Follow the action described in the warning message.

GVM5951E	**An error occurred while making the Web server request. If this error persists, check the network connection with the Web server and verify that the Web server is running.** **Error:** *error*
GVM5952E	**The following command requires confirmation from the server:** **""***Command***""**

Explanation

A command was issued, and a reply was expected. Some commands require a confirmation, which you cannot issue through the Data Protection for Virtual Environments GUI.

User response

Issue the command from the command line.

GVM5953E	**The following command is unknown to the server:** **""***Command***""**

Explanation

An unknown command was issued to the server. The command might not be valid on the server version and platform or the command syntax might be incorrect.

User response

Verify that the command is valid for the server version and platform, and verify that the command syntax is correct.

GVM5954E	**The syntax of the following command is incorrect:** **""***Command***"".**

Explanation

See message.

User response

Correct the syntax and issue the command from the command line. The activity log of the Server shows all the commands issued before and after this command.

GVM5955E	**An internal server error occurred.**

Explanation

See message.

User response

Try the command again. If this does not work, contact customer support. You might be asked to provide tracing information and information about the actions performed before the failure occurred.

GVM5956E	**The server ran out of memory while processing the request. Close any unnecessary processes on the server and try the operation again.**

Explanation

See message.

User response

Before trying the action again, contact the administrator of the server.

GVM5957E	**The database recovery log is full.**

Explanation

See message.

User response

Before trying the action again, extend the recovery log or back up the server database. Contact the administrator of the server.

GVM5958E	The server database is full.

Explanation

See message.

User response

Before trying the action again, extend the server database. Contact the administrator of the server.

GVM5959E	The server is out of storage space.

Explanation

See message.

User response

Before trying the action again, contact the administrator of the server.

GVM5960E	You are not authorized to perform this action. An administrator with system authority can change your authority level to allow you to perform this action.
GVM5961E	The object that you are attempting to access does not exist on the server.
GVM5962E	The object that you are attempting to access is currently in use by another session or process. Retry the action at a later time.
GVM5963E	The object that you are attempting to remove is referenced by another object defined to the server. Remove the other object before removing this one.
GVM5964E	The object that you are attempting to access or remove is not available.

Explanation

See message.

User response

Before trying the action again, contact the administrator of the server.

GVM5965E	The server encountered an I/O error while processing the request. For more information, see the operating system event or error log.
GVM5966E	The action failed because the transaction could not be committed.

Explanation

See message.

User response

Retry the action at a later time. Before trying the action again, contact the administrator of the server.

GVM5967E	The action failed because of a resource lock conflict.

Explanation

See message.

User response

Retry the action at a later time. Before trying the action again, contact the administrator of the server.

GVM5968E	The action failed because of a mode conflict.

Explanation

See message.

User response

Retry the action at a later time. Before trying the action again, contact the administrator of the server.

GVM5969E	The action failed because the server could not start a new thread.

Explanation

See message.

User response

Retry the action at a later time. Before trying the action again, contact the administrator of the server.

GVM5970E	The server is not licensed to perform this action. If a license

was purchased, use the command line to register the license.

GVM5971E   The specified destination is not valid.

Explanation

See message.

User response

Enter a different destination or update the configuration with a valid destination, and try the action again.

GVM5972E   The specified input file cannot be opened. Verify the file name and directory permissions, then try the action again.

GVM5973E   The specified output file cannot be opened. Verify the file name and directory permissions, then try the action again.

GVM5974E   An error occurred while writing to the specified output file.

Explanation

See message.

User response

Check the file system to ensure that there is enough space. Check the operating system event or error log for more information.

GVM5975E   The specified administrator is not defined to this server.

Explanation

See message.

User response

Ensure that the administrator name was entered correctly. Before trying the action again, contact the administrator of the server.

GVM5976E   The SQL statement could not be processed.

Explanation

An exception occurred while processing the SQL statement. Possible exceptions include divide-by-zero, math overflow, temporary table storage space unavailable, and data-type errors.

User response

Correct the SQL query and try again.

GVM5977E   This operation is not allowed with this object.

Explanation

See message.

User response

Before trying the action again, contact the administrator of the server.

GVM5978E   The table was not found in the server database.

Explanation

See message.

User response

Before trying the action again, contact the administrator of the server.

GVM5979E   The specified file space name is not compatible with the filespace type.

Explanation

Unicode file space names are incompatible with non-unicode names.

User response

Enter a file space name of the correct type and try the action again.

GVM5980E   The specified TCP/IP address is not valid. Verify the TCP/IP address and try the action again.

GVM5981E   No objects were found that match the search conditions.

GVM5982E   Your administrative ID on this server is locked. An administrator with system authority can unlock your ID.

GVM5983E   The connection to the server was lost while performing the action.

Explanation

See message.

User response

This might indicate a network problem. Ensure that the server is running and the machine is accessible. Retry the action.

GVM5984E	Your ID or password is not valid for this server.

Explanation

See message.

User response

Enter a valid ID or password for your Server.

GVM5985E	Your password expired on this server.

Explanation

Your password has expired.

User response

Reset your password on the Server or contact your Server administrator to reset it.

GVM5986E	The server cannot accept new sessions. If sessions are disabled for this server, issue the ENABLE SESSIONS command from the command line.
GVM5987E	A communications failure occurred while processing the request. Retry the action at a later time.
GVM5988E	The administrative API encountered an internal error while processing the request.
GVM5989E	The administrative API cannot process the command document sent from the server.

Explanation

The XML command document could not be parsed. Either the file could not be read, or the file is corrupted.

User response

Before trying the action again, contact the administrator of the server.

GVM5990E	The following command contains one or more invalid parameters: ""*command*"".

Explanation

The Data Protection for Virtual Environments GUI tried to run a command, but the call to the API contained one or more invalid parameters.

User response

Check the parameters in the command. If you entered text in a field, you might find the error in the parameters and correct it. Viewing the activity log might help to determine the cause of the problem. Before trying the action again, contact the administrator of the server.

GVM5991E	The administrative API encountered invalid parameters while processing the request.

Explanation

A command was run through the administrative API, but one of the parameters to an API method was invalid.

User response

This is typically an internal error, but it can be caused by unusual parameters. For example, characters such as: < > & can cause the problem. Check the parameters in the command. If you entered text in a field, you might find the error in the parameters and correct it.

GVM5992E	The administrator's authority level on this server cannot be determined.

Explanation

See message.

User response

Use a different administrator ID. Before trying the action again, contact the administrator of the server.

GVM5993E	An object with the name that you specified already exists on the server. Enter a different name.
GVM5994E	The version of the server is not supported by the Data Protection for Virtual Environments GUI.
GVM5995E	An internal error has occurred.

Explanation

The operation failed after encountering an internal error.

Retry the operation. If this does not work, contact customer support. You might be asked to provide tracing information and information about the actions performed before the failure occurred.

GVM5996E	The operation failed, please go to the log for more details.
GVM5997E	Wrong format of the end date and time. Please enter the end date and time format as yyyyMMddHHmmss.
GVM5998E	Sorry, the description of the backup task was not created in a file. Please try again.

Explanation

On the general page of the backup wizard, you can describe your backup task in general.

GVM5999E	The ESXHOST name you entered is too long. Please change to a shorter one.
GVM6000E	Wrong Backup ID. Please try again.
GVM6001E	An error occurred when processing the backup object file. Please try again later.

Explanation

When you click submit in the backup wizard, the object list will be stored in a file. When processing this file, an error occurred.

GVM6002E	No backup object is selected. You must choose a source node to backup.

Explanation

To initiated a backup task, you have to choose an object on the source page of the backup wizard.

GVM6003E	Wrong format of the start date and time. Please enter the start date and time format as yyyyMMddHHmmss.
GVM6004I	Backup task *Task Name* started, would you like to monitor this task now?
GVM6005I	Delete backup task completed successfully.
GVM6006E	Delete backup task failed, please check log for more detail.

GVM6007I	Restore Task *Task ID* is started successfully, would you like to monitor this task now?
GVM6008E	*Error Or Warning*
GVM6009I	Mounted backup Item could not be restored.
GVM6010I	Result of attach is *status* (Task ID: *Task ID*), refer to events list to get the details.
GVM6011I	Result of detach is *status* (Task ID: *Task ID*), refer to events list to get the details.
GVM6012I	Command successfully submitted to the server. Detail: *Server Messages*
GVM6013E	The command submitted to the server failed. Error: *Error Code* *Error Messages*

Explanation

The cause of the problem is identified in the message text.

User response

Correct the problem based on the information that is provided in the message text. Then, try the action again.

GVM6014E	No server connection, please configure the server in the configuration panel.
GVM6015E	The selected items can only be under ONE datacenter.
GVM6018E	The virtual machine *VM name* exists. Delete the virtual machine first before restoring it.
GVM6019E	The target virtual machine *VM name* is running. Close the virtual machine before restoring virtual disks to it.
GVM6020E	Some of selected virtual disks exist in target virtual machine. Remove those virtual disks from target virtual machine before restoring to it.
GVM6021E	A VMCLI command failed. Error: *Error Messages*

Explanation

The cause of the problem is identified in the message text.

User response

Correct the problem based on the information that is provided in the message text. Then, try the action again.

GVM6023E	A command submitted to the server failed. Error: *Error Messages*

Explanation

The cause of the problem is identified in the message text.

User response

Correct the problem based on the information that is provided in the message text. Then, try the action again.

GVM6024E	Cannot find the file with format 'summary.date.log' in the path: *path*
GVM6025E	Cannot find the installation path using the VMCLI inquire_config command.
GVM6026E	A VMCLI command to get version failed.
GVM6027I	Backup task *Task ID* started, would you like to monitor this task now?
GVM6028E	The Data Protection for Virtual Environments Web Server could not be contacted.

Explanation

The Data Protection for Virtual Environments GUI has attempted to contact its Web Server. The operation was not successful.

User response

Perform one or more of the following steps to try and determine the problem:

- Verify that the Data Protection for Virtual Environments Web Server is running.
- Verify that the Web Server machine is running.
- Verify that the Web Server machine is accessible over the network.

Close the Data Protection for Virtual Environments GUI. Start the GUI again when the problem is resolved.

GVM6029I	Command successfully submitted to the server.
GVM6030E	No host is found in datacenter *datacenter name*. Select another datacenter to restore.
GVM6031W	The schedule does not contain all the required parameters. It cannot be displayed in the properties notebook.

Explanation

This schedule may have been created or modified outside of the Data Protection for Virtual Environments GUI.

User response

This schedule must be modified outside the the Data Protection for Virtual Environments GUI.

GVM6032W	One or more VMs exist. Do you want to continue the restore operation and overwrite the existing VMs?
GVM6033E	The Administrator Id provided does not have sufficient privileges.

Explanation

The operation you are attempting requires a Server Administrator Id to have at least Unrestricted Policy privilege.

User response

Contact your Server Administrator to grant you Unrestricted Policy privilege for your Administrative Id. Or, use an alternate Id with such privilege and try again.

GVM6034E	The nodename *node name* is already in use. Please choose another nodename.

Explanation

The node name chosen already exists on the server. Choose another name.

User response

Pick another node name to use. If you want to re-use this node, then unselect the 'Register Node' checkbox.

GVM6035E   **The node name *node name* is not defined on server. Make sure the node name you entered exists on the server.**

Explanation

The node name entered does not exist on the server. Since you did not select 'Register Node' checkbox, the node name you enter must have been previously defined and exist on the server.

User response

Check the node name you are supposed to use and enter it again. If you want to register this node, then select the 'Register Node' checkbox.

GVM6036E   **The passwords in the entry field and the verify field do not match. Please try again.**

Explanation

The new passwords entered do not match.

User response

Clear the fields and enter the same password in both password fields.

GVM6037W   **Please select one or more Datacenters to be managed.**

Explanation

At least one Datacenter must be selected.

User response

Add one or more Datacenter(s) into the Managed Datacenters list.

GVM6038W   **One or more nodes do not have their password set. Make sure all nodes have their password set.**

Explanation

If a node has 'Register Node' checkbox set, then that node's password must be set.

User response

Assign a password for nodes that are to be registered.

GVM6039I   **No datacenter node was found mapped to *datacenter name*. Select a datacenter node from the list to associate with *datacenter name*. Leave the selection empty**

to have the Configuration Wizard create a new datacenter node for it.

GVM6040I   **Are you sure you want to proceed without entering a Administrative ID?**
Without Administrative access, the Wizard will not validate node names or register nodes. Instead, a macro file will be generated at the end of this Wizard for you to give to your Administrator to execute.

GVM6041I   **This task was skipped because it was not necessary or a pre-requisite task failed.**

GVM6042E   **There was an error writing to script file: *file path*.**

Explanation

An error was encountered when trying to write to file at the path indicated.

User response

Try the operation again.

GVM6043I   **Managed datacenters have changed. Please go to the data mover page to verify or change your current mappings.**

GVM6044I   **No datacenter nodes were found for the vCenter node *vCenter node* and VMCLI node *VMCLI node* configuration. The Wizard will generate a default set of datacenter nodes for you.**

GVM6045E   **The password entered is not acceptable. Choose another password.**

Explanation

Server could not accept the password chosen. It could be because the password did not meet certain password rule(s).

User response

Try with another password.

GVM6046W   **Unchecking this checkbox means you are supplying a node name that is already defined on the Server AND that it is meant to be used for your configuration. Since**

this Wizard is proceeding without Administrative access, it cannot verify if the node exists or not. You should only proceed if you understand what you are doing.

Explanation

Since you are using the Configuration Wizard without a Administrative ID, you should be very careful. The macro script file generated at the end of running the Configuration Wizard could contain errors because values are not validated.

User response

We strongly recommend you use the Configuration Wizard with a proper Administrative ID.

GVM6047W	The node *node* has already been identified. If you want a different name other than the default name, edit this field again. If you want to use the same data mover for multiple Datacenters, please use Configuration Settings to do this.

Explanation

The node is already being used in this configuration.

User response

Try using another node name.

GVM6048W	The node *node* has invalid characters or exceeds 64 characters. Choose a different name and edit this field again.

Explanation

The node name is invalid or longer than 64 characters.

User response

Try using another node name.

GVM6049E	The password entered is not acceptable on this Server because it contains invalid characters. The valid characters are: *validCharsString*

Explanation

Server could not accept the password chosen because of invalid characters in the password.

User response

Try with another password that only contain valid characters.

GVM6050E	The password entered is not acceptable on this Server because of the reason below. Choose another password. Error: *message*

Explanation

Server could not accept the password chosen. The reason why this password is not valid is given in the message.

User response

Try with another password that meets the rule(s).

GVM6051E	Filter has changed, select Apply filter before continuing.

Explanation

Filter pattern must be applied after it is changed.

User response

Click the Apply filter button.

GVM6052E	Select at least one item from a datacenter to continue.

Explanation

A host, host cluster, or VM must be selected to do a backup.

User response

Select an item under a datacenter.

GVM6053E	Your selections exceed the 512 character limit allowed for backups, change your selection.

Explanation

The number of characters required to list the selected items exceeds the limit of 512 characters. Also, if hosts have been partially selected, characters are needed to list the VMs that are excluded from the backup.

User response

Create multiple backup tasks, with less selected items per task.

GVM6054I   Changing the newly added virtual machines checkbox clears all selections of host clusters, hosts, and virtual machines. Press OK to proceed, or Cancel to leave unchanged.

Explanation

The state of the newly added virtual machines checkbox significantly impacts what is allowed to be selected on the source panel, so selections are cleared when the state changes.

User response

Select OK to proceed, or select Cancel to retain all selections.

GVM6055E   Datacenter node *datacenter node name* does not have a node mapped in the vmcli configuration file.

Explanation

The datacenter node must have a corresponding node listed in the configuration file named vmcliprofile.

User response

Correct the problem by going to the Configuration tab in the GUI and selecting Edit Configuration to update the mapping for the datacenter. Also resolve any other configuration errors that are reported on the Configuration tab.

GVM6056E   datacenter node *datacenter node name* maps to vCenter datacenter name *datacenter name* in the vmcli configuration file, but *datacenter name* does not exist in the vCenter.

Explanation

The vCenter datacenter name maps to a datacenter node in the vmcli configuration file named vmcliprofile, but the data enter name does not exist in the vCenter.

User response

Correct the problem by going to the Configuration tab in the GUI and selecting Edit Configuration to update the mapping for the datacenter. Also resolve any other configuration errors that are reported on the Configuration tab.

GVM6057E   You have selected items from multiple datacenters: *datacenter list*. This is not allowed, all selections must be from one datacenter.

Explanation

A backup task only supports items from one datacenter. If this is an existing task, changes in the vCenter configuration after task creation may have caused this problem.

User response

Check and correct the selections to make sure all selections are under the same datacenter.

GVM6058E   The selected items *item list* are not found under datacenter *datacenter name* in the vCenter, please review and de-select them.

Explanation

Items originally selected are no longer found under the datacenter associated with the backup task. This may be caused by changes in the vCenter configuration.

User response

Review if the items are now located under a different datacenter. De-select the not found items, and make new selections under the other datacenter or create a new backup task for these items.

GVM6062E   The password entered is not acceptable on this Server because it is too short. Passwords must have a least *minPasswordLength* characters.

Explanation

Server could not accept the password chosen because it is too short.

User response

Try with another password that is longer than the required minimum length.

GVM6063E   *Component* is downlevel, so its use is disabled in the GUI. You will only be able to use the GUI for *component*.

GVM6064E   Mismatching Server entries in the current settings is detected. Server definition used by the GUI: *server1* Server where backups are stored: *server2*

**Click ""Reset Server definition""
to clear the definition and enter
new credentials. Or click on
""Reconfigure Environment"" to
launch the Configuration Wizard to
reconfigure your Data Protection
for Virtual Environments
environment.**

Explanation

detected mismatching Server entries between the
vmcliprofile and the current GUI's Server connection.

User response

Pick one of the two actions available. You may either
reset the Server definition/credentials OR use the
Coniifguration Wizard to set up a new environment.

GVM6065E	The SSL Connection could not be made. The SSL certificate is missing. Check for valid certificate in the -ve-truststore.jks

Explanation

Server did not accept the SSL connection. SSL keystore
is not in the default location or does not contain a
certificate.

User response

Check the -ve-truststore.jks for a valid certificate,
ensure -ve-truststore.jks is in the correct default
location.

GVM6066E	The password entered is not acceptable on this Server because it is too long. Passwords cannot have more than *maxPasswordLength* characters.

Explanation

Server could not accept the password chosen because
it is too long.

User response

Try with another password that is shorter than the
allowed maximum length.

GVM6067E	The SSL Connection could not be made. The SSL certificate is invalid.

Explanation

Server did not accept the SSL connection. The -ve-
truststore.jks has an invalid SSL certificate.

User response

Obtain a new valid SSL certificate from the server and
place it in the -ve-truststore.jks.

GVM6068E	The non-SSL connection could not be made. This Admin ID requires a SSL connection.

Explanation

Server did not accept the non-SSL connection. The
Server requires SSL be used with this Admin ID.

User response

Use SSL with this Admin ID. Ensure that the -ve-
truststore.jks with a valid server SSL certificate is
installed in the default location.

GVM6069E	Your selections have caused the backup task definition to require *count* characters, which exceeds the 512 character limit. This can be caused by a long virtual machine exclude list, which is the list of all VMs under host(s) that were not selected. Either select more VMs under selected hosts or de-select the newly added virtual machines checkbox.

Explanation

When the newly added virtual machines checkbox is
selected, the resulting backup task must list all
unselected VMs for hosts that are partially selected.
The backup task definition has a 512 character limit,
and the combination of selected items and excluded
VMs exceeds this limit.

User response

De-select the newly added virtual machines checkbox
or create multiple backup tasks with less selected
items per task.

GVM6070E	Your selection of virtual machines has caused the backup task definition to require *count* characters, which exceeds the 512 character limit. Either create multiple backup tasks with less virtual machines per task, or select the newly added virtual machines checkbox and choose entire hosts with no more than a few unselected VMs.

Explanation

The backup task definition has a 512 character limit, and the total number of characters for the selected items exceeds this limit.

User response

Create multiple backup tasks with less selected virtual machines per task, or select the newly added virtual machines checkbox and then select hosts instead of individual virtual machines (you can de-select a small number of virtual machines per host if desired.)

GVM6071E	There is no data mover node proxy relationship for datacenter node *datacenter node name*. Review the data mover relationships on the Configuration tab or the server.
GVM6072E	There is no datacenter node defined for datacenter *datacenter name*. Review the node configuration on the Configuration tab.
GVM6073I	Node *name name* is currently locked. The Configuration Wizard will attempt to unlock this node if you choose to continue.
GVM6074E	A connection with the server (*Address:Port*) could not be established. Please verify the server address and admin port *Server or Admin port* are correct.

Explanation

The server might not be running or specified admin port or server admin port may be incorrect.

User response

Check the network connection with the server machine. Verify that the server is running and try to log in again. Also verify server address and admin port information is correct.

GVM6075E	The vCenter user name or password is not valid. Please try again.

Explanation

The vCenter user name or password is not valid.

User response

Enter the user name or password again.

GVM6076E	Permission to perform this operation was denied. Please try with other user name.

Explanation

The vCenter user name is not valid.

User response

Enter another user name.

GVM6077I	A Administrative ID and password is currently not set. The absence of this information limits the actions that you can take in the GUI. Click OK to be taken to the configuration settings panel and enter an ID and password. Click Cancel to continue without using an ID and password.
GVM6078W	You have chosen an Administrative ID that has less authority than the current ID. Are you sure you want change this ID? Current Authority Level: *Current Level* New Authority Level: *New Level* Current Role: *Current Role* New Role: *New Role* Click OK to accept these changes, or Cancel to exit without change.
GVM6079I	Here are the current and new roles for Admin IDs. Review and confirm these changes. Current Authority Level: *Current Level* New Authority Level: *New Level* Current Role: *Current Role* New Role: *New Role* Click OK to accept these changes, or Cancel to exit without change.
GVM6080I	ID has been changed without save. Previous ID will be loaded.
GVM6081I	Your current UI role does not allow you to unlock or reset the VMCLI node. In order to make changes, go to the Server Credentials page and enter a Admin ID and password that has the necessary priviliges for making VMCLI node updates. Select OK to save these credentials, then re-open the Configuration Settings notebook and you can make VMCLI node updates.

GVM6082I	Your current UI role does not allow you visit other panels. Select OK to save these credentials, then re-open the Configuration Settings notebook and you can make other updates.
GVM6083I	There are non-English characters contained in one or more datacenters. The domain will be adjusted accordingly.
GVM6084E	Datacenter *DataCenter Name* cannot be added to the domain because it contains non-English characters.

Explanation

Datacenters that contain non-English characters are not currently supported. Therefore, they cannot be added to the domain.

User response

Datacenter will not be added to the domain.

GVM6085W	Node *Node Name* already exists on the server. Attempt to rename node to *New Node Name*?

Explanation

Node name is already registered on the server.

User response

Click Yes to attempt to rename node. Click No to make other changes. Example: unclick register node, rename node manually.

GVM6086W	The following virtual machines for host *Host Name* have unsupported characters in their name: *Invalid Virtual Machine Names*. Therefore, these virtual machines are not backed up, regardless of your selections. You must rename these virtual machines to back them up.

Explanation

The following characters are not supported in virtual machine names: "" ' : ; * ? , < > / |

User response

Rename the identified virtual machines to remove unsupported characters from their name.

GVM6087E	The following host clusters have unsupported characters in their name: *Invalid Host Clusters*. These host clusters cannot be selected for backup because they contain unsupported characters. Rename these host clusters or remove them from selection.

Explanation

The following characters are not supported in host cluster names: "" ' : ; * ? , < > / |

User response

Rename the identified host clusters to remove unsupported characters from their name. Or, remove them from your backup selection.

GVM6088E	Your selections created an empty virtual machine list for backup. This issue might occur because all the selected virtual machines contain unsupported characters in their names. Make sure that you selected virtual machines that do not contain unsupported characters in their names.

Explanation

The following characters are not supported in virtual machine names: "" ' : ; * ? , < > / | . Virtual machine names that contain these characters are automatically removed from the backup task definition. This removal can cause an empty task definition.

User response

Rename the identified virtual machines to remove unsupported characters from their name. Or, select different virtual machines to back up.

GVM6089E	The filter pattern cannot be applied because it contains unsupported characters. Change the pattern to remove the unsupported characters, then apply the filter again.

Explanation

The following characters are not supported in filter patern: "" ' : ; < > / |

User response

Change the filter pattern to remove unsupported characters, then apply the filter again.

GVM6090E **A temporary datastore is not available to perform this operation. This temporary datastore is required in addition to the restore destination datastore.**

Explanation

A datastore is required for use as a temporary restore destination for this operation. This temporary datastore must be from the same ESX host as the datastore that is used for the actual restore destination. However, the temporary datastore cannot be the same datastore that is used for the actual restore destination.

User response

Add a datastore to the destination ESX host. Then, select this datastore as the temporary restore destination.

GVM6091E **There was an error creating opt file: *file name*.**

Explanation

An error was encountered when trying to write to file.

User response

Try the operation again.

GVM6092E **Creating *service* has failed. No services were created for data mover node *node name*.**

Explanation

An error was encountered when trying to create service for data mover node specified.

User response

Check environment and ensure user has proper rights before trying operation again.

GVM6093E **Creating firewall for *service* has failed. Please manually add firewall rules for services installed.**

Explanation

An error has occured when attempting to add firewall rule for specified executable.

User response

Check environment and ensure user has proper rights before trying operation again or manually add rule to firewall for client acceptor , Agent and Scheduler.

GVM6094W **Local services were setup successfully but were unable to verify firewall access for these executable files:**
agentExe
cadExe
schedExe
If any problems are experienced related to local services, verify that firewall access is available for these executable files.

Explanation

Microsoft firewall may be disabled or another firewall may be in place.

User response

Check environment and add rules manually if needed for the client acceptor, Agent, and Scheduler.

GVM6095E **Data mover node *node name* was successfully registered on the server, however no services were created.**

Explanation

An error has occured when trying to create services for specified node.

User response

Check environment and ensure user has proper rights before trying operation again.

GVM6096E **Reason Code *reason*
This error was reported by the data mover. No further description is available. For more information, review the error log *errorLog* on the data mover host machine *hostname* at address '*address*'.**

Explanation

The data mover encountered an error with the reported reason code.

User response

Log into the host machine specified and view the error log for more information.

GVM6097W   **Scan schedule** *schedule name* **was successfully defined on the server and associated with node** *node name*, **however no services were created to run the schedule. Detail:** *error*

Explanation

An error was encountered in one of the steps below when trying to create services for the VMCLI node.

1. Create the option file for the VMCLI node.
2. Set the password for the VMCLI node to a temporary password for the next step.
3. Run the Client Service Configuration Utility to create the services.
4. Run the Client Service Configuration Utility to start the client acceptor service.
5. Reset the VMCLI node password.

User response

Delete the schedule and create the schedule again to automatically configure the services or manually configure the services. Check environment and ensure user has proper rights before trying operation again.

GVM6098W   **Scan schedule** *schedule name* **was successfully defined on the server and associated with node** *node name*. **services were created to run the schedule. However, reseting the VMCLI node password failed. Detail:** *error*

Explanation

An error was encountered while trying to reset the VMCLI node password.

User response

Use the Configuration Settings to reset the VMCLI node password.

GVM6099W   **Warning: If this task is canceled, all created data on the virtual machines that are not completely restored is lost and the virtual machines are removed from the ESX host. Are you sure that you want to cancel this task?**

Explanation

A cancel task command is submitted. Refresh to see the cancel progress.

User response

Cancel the selected task or allow the task to continue processing.

GVM6100W   **A dismount operation removes the iSCSI disks but does not remove the VM or its data. Before proceeding with dismount, make sure the following conditions exist: -The mounted iSCSI disk is recovered. -Storage vMotion completed migrating the VM to a local datastore. If the recovery operation failed and you want to delete the VM, its data, and dismount any iSCSI targets, click Dismount and Delete. Dismount and Delete is a destructive action and deletes the VM and its data, regardless of the success or failure of the instant restore operation. Based on this information, do you want dismount the VMs that are selected for instant restore?**

Explanation

A dismount operation removes the iSCSI disks but does not remove the VM or its data. Before proceeding with dismount, make sure the following conditions exist: The mounted iSCSI disk is recovered,Storage vMotion completed migrating the VM to a local datastore.If the recovery operation failed and you want to delete the VM, its data, and dismount any iSCSI targets, click Dismount and Delete. Dismount and Delete is a destructive action and deletes the VM and its data, regardless of the success or failure of the instant restore operation.

User response

Click 'Dismount' to dismount the virtual machines that are selected for the instant restore operation. Click 'Dismount and Delete' to dismount the virtual machines that are selected for the instant restore operation, remove them from the ESX host, and verify that Storage vMotion is not running.

GVM6101W   **During a dismount operation, all created data on the virtual machines is lost and the virtual**

machines are removed from the ESX host.
Dismount the selected Instant Access virtual machines?

Explanation

All created data on the virtual machines is lost and the virtual machines are removed from the ESX host.

User response

Click 'Dismount' to dismount (cleanup) the instant access virtual machines.

GVM6102E	**Selecting multiple virtual machines with different restore types is not allowed.**

Explanation

Restoring multiple virtual machines with different restore types is not supported.

User response

Select virtual machines that have the same restore type.

GVM6103I	**Cleanup Task *Task ID* is started successfully, would you like to monitor this task now?**

GVM6104W	**Are you sure that you want to cancel this task?**

Explanation

A cancel task command is submitted. Refresh to see the cancel progress.

User response

Cancel the selected task or allow the task to continue processing.

GVM6105I	**Your current UI role does not allow you to view backup property notebook.**

GVM6106I	**Your current UI role does not allow you to edit nodes. In order to make changes, open the Configuration Settings notebook and go to the Server Credentials page and enter a Admin ID and password that has the necessary priviliges for making node updates.**

GVM6107E	**Reason Code *reason* This error was reported by the data mover. No further description**

is available. For more information, review the error log 'dsmerror.log' on the data mover host machine.

Explanation

The data mover encountered an error with the reported reason code.

User response

Log into the host machine where data mover resides and view the error log for more information.

GVM6108W	**Login information for vCenter needed.**

Explanation

In order to install new local dm services, vCenter credentials are needed.

User response

Enter vCenter credentials in order to continue.

GVM6109E	**You do not have the privileges required to access the GUI.**

Explanation

In order to access GUI content, the user must have the necessary vSphere privileges.

User response

Add the required privileges for the user.

GVM6110E	**You do not have the permissions required to access the GUI.**

Explanation

In order to access GUI content, the user must have the necessary vSphere permissions.

User response

Add the required permissions for the user.

GVM6111I	**A new data center (*name*) was detected. Go to the Data Mover Nodes page to add a data center node for it.**

GVM6112W	**The following shares and mounts will be removed and that data in there will be no longer accessible to the end user. Dismount the selected shares and mounts?** *mounts*

Explanation

The selected shares and mounts will be removed.

User response

Click 'Dismount' to dismount (cleanup) the mounts and shares.

GVM6113I	Dismount Task *Task ID* is started successfully, would you like to monitor this task now?
GVM6114W	An error was encountered during the delete operation for option file: *file name*.

Explanation

An error was encountered during the delete operation. For example, this error might be caused by insufficient user permissions or the file no longer exists.

User response

Make sure the option file was deleted. If it still exists, delete this file manually.

GVM6115W	The remove operation for service: *service* failed.

Explanation

An error prevented the service from being removed.

User response

Check the environment and ensure that the user has sufficient rights to run this operation. Then, try the operation again.

GVM6116E	Fail to start iSCSI for mount proxy node *node name*.

Explanation

An error was encountered when trying to start iSCSI service for mount proxy node specified.

User response

Start the iSCSI service manually.

GVM6117E	The connection to the server was not successful because either the server credentials are invalid or an SSL certificate is required but could not be obtained.

Explanation

A correct server user ID and password and an SSL certificate for the server are required to connect to the server.

User response

Go to the 'Configuration > Tasks > Edit Configuration > Server Credentials' notebook page. Confirm that the login credentials are correct, that the correct port number is entered for the admin port, and that the 'Use SSL...' checkbox is selected. The server's certificate must be retrieved and a truststore created using the procedure that is documented in the 'Learn more...' link.

GVM6118E	You have selected organization VDCs from more than one provider VDC. For backup tasks, all selected organization VDCs must belong to the same provider VDC. Change your selections and retry the operation.
GVM6119E	The following vcloud resources(vApp, organization, organization vDC) are invalid for selection because they have unsupported characters in their name: *reslist*

Explanation

In order to create backup tasks, vcloud resources names must not contain any of the following characters: "" ' : ; * ? , < > / | .

User response

Rename the identified resources to remove unsupported characters from their name. Or, remove them from your backup selection.

GVM6120E	You have selected the vApp from a different organization VDC. For restore tasks, all selected vApps must belong to the same organization VDC. Change your selections and retry the operation.
GVM6121E	The vApp *vApp name* exists. Choose a different vApp name to be the target of the restore.
GVM6122E	Your selection of items to back up has caused the backup task definition to require *count* characters, which exceeds the 512 character limit. Please create

multiple backup tasks with less items per task.

Explanation

The backup task definition has a 512 character limit, and the total number of characters for the selected items exceeds this limit.

User response

Create multiple backup tasks with less items per task

GVM6123E	**The Organization VDC node can not be included because its Provider VDC node is not included. Please select the include checkbox for the Provider VDC node first, and try again.**

GVM6124E	**The nodename *node name* is already in use. Please uncheck the register node checkbox or choose another nodename.**

Explanation

The node name chosen already exists on the server. Either choose to not register it or use another name.

User response

Pick another node name to use. If you want to re-use this existing node, then unselect the 'Register Node' checkbox.

GVM6125W	**Are you certain that you want to remove the data mover node *node name*?**

GVM6126W	**The node *node* has already been used. If you want a different name other than the default name, edit this field again.**

Explanation

The node is already being used in this configuration.

User response

Try using another node name.

GVM6127E	**The Organization VDC node can not be registered because its provider VDC is not valid.**

GVM6128E	**The Organization VDC name *OVDC name* is invalid. For information about supported characters, refer to the Administrator's Reference**

publication section about naming objects.

GVM6129I	**This task was skipped because it was not necessary. No further action is required.**

GVM6130W	**Internet explorer version *version* is not supported, please use a supported version or another browser. You may see visual and functional issues if you continue to use this unsupported browser.**

Explanation

Due to differences in Internet Explorer implementation by version number, only specific versions are supported. The use of a standards-compliant browser such as Mozilla Firefox is recommended. However, if you are accessing the GUI as a plug-in from the vSphere Client, you are limited to using the Internet Explorer browser installed on the system where the vSphere client is installed.

User response

Use a supported version of Internet Explorer or another browser. Supported browser versions are documented in the online help.

GVM6131W	**The browser *version* is not supported, please use a supported browser. You may see visual and functional issues if you continue to use this unsupported browser.**

Explanation

Due to differences in browser implementations, only specific versions are supported.

User response

Use a supported browser. Supported browser versions are documented in the online help.

GVM6132E	**At least one virtual machine that you have selected for restore to alternate location already exists in the Datacenter, so restore is not allowed. To restore to an alternate location when the destination virtual machine already exists, select only one virtual machine for the restore operation and choose a new name for the destination virtual machine. Duplicated VM: *VM name***

Explanation

When restoring to an alternate location, the destination virtual machine must not already exist.

User response

Use the single virtual machine restore wizard so that you can rename the destination virtual machine.

GVM6133W	Target datastore not found, select a different destination datastore.
GVM6134E	The user *User Name* is not authorized to any managed datacenters. Contact your system administrator.
GVM6135E	You do not have required permissions to view virtual machines for this Event.
GVM6136E	You do not have required permissions to view restore points for this virtual machine.
GVM6137E	You do not have required permissions to view some attached points.
GVM6138E	You do not have required permissions to view restore points for this datastore.
GVM6139E	You do not have required permissions to detach for the restore point.
GVM6140E	An error occurred processing user permissions. Contact your system administrator.
GVM6141I	Some datacenters are not shown due to permissions requirements.
GVM6142E	You do not have permissions to cancel this task.
GVM6143I	The task is still in the starting state, please refresh the task and try the cancel again.
GVM6147I	Some datacenters are not available because they have the same name for one or more datacenters. Datacenters with the same name are not supported.
GVM6148E	Windows domain credentials are incorrect. Open the Configuration wizard, go to File Restore page, and try entering the credentials again.

Explanation

The Windows domain credentials that was entered on the File Restore page in the Configuration wizard is incorrect.

System action

Processing stops.

User response

Run the Configuration wizard again and re-enter the correct Windows domain credentials.

GVM6149E	This action cannot be peformed because there is not a VMCLI node defined. To resolve, use the configuration wizard to define the VMCLI node and complete the other steps in the wizard.
GVM6150E	This action cannot be peformed because there is not a vCloud Director node defined. To resolve, use the configuration wizard to define the vCloud Director node and complete the other steps in the wizard.
GVM6151E	This action cannot be peformed because the connection to the Server is not operational. Correct the connection problem, and retry this action.
GVM6152E	This task requires use of the provider VDC node *provider VDC node name* from , but this node is not mapped to a known provider VDC in the vCloud Director. This task may not be updated, instead create a new task without dependence on this provider VDC.
GVM6153E	The Organization VDCs listed below were selected but are not configured to the server. You must remove these selections in order to execute this action. *org VDC name*
GVM6154I	Your current UI role does not allow you to view node details.
GVM6155E	An error occurred when connecting to the server *server name*. Either your admin ID or password is not valid, or the TCPPORT number was entered in the admin port field instead of the

TCPADMINPORT or SSLTCPADMINPORT number.

Explanation

See message.

User response

Launch the Configuration Editor from the Configuration Tab and enter a valid ID or password for your Server.

GVM6156E	The password for the administrative user ID *admin id* expired on the server *server name*.

Explanation

Your administrative password has expired.

User response

Contact your Server administrator to reset the password for the administrative user ID.

GVM6157E	The server port number *tcp port* is incorrect. The expected value for this port is *tcp port from query*, which is the value of the TCPPORT option. Please enter the expected value using the configuration wizard.

Explanation

The value entered in the server port field must match the TCPPORT option on the server.

User response

Use the configuration wizard to change the server port field to the correct value.

GVM6159E	An error occurred while processing a VMCLI command, and the GUI session will be closed. Log in and try the operation again. If the problem persists, contact your administrator.

GVM6160E	An error occurred while writing to the frConfig.props configuration file.

Explanation

The frConfig.props file contains configuration options for file level restore processing. Possible reasons for this error include the following situations:

- The frConfig.props file is not in the Data Protection for Virtual Environments installation directory.

- The frConfig.props file is write-protected.

System action

Processing stops.

User response

Verify that the file exists in the Data Protection for Virtual Environments installation directory and that the file is not write-protected.

GVM6161E	The local mount proxy node pair cannot be removed while the file level restore feature is enabled.

Explanation

File level restore processing requires a local mount proxy node.

User response

Disable the file level restore feature. Then, choose whether you want to remove the mount proxy node pair.

GVM6162E	An error occurred while reading the frConfig.props configuration file.

Explanation

The frConfig.props file contains configuration options for file level restore processing. The file cannot be read. A common reason for this error is that the file is read-protected.

System action

Processing stops.

User response

Verify that the file is not read-protected.

GVM6164W	The connection to the server was not successful because a security certificate is required.

Explanation

Secure connections to the server require an SSL certificate to create the connection. No certificate was found for the selected server.

User response

If this message was not presented as part of using the configuration wizard, it must be retrieved and a

truststore created using the procedure that is documented in the help.

GVM6165E   **The specified target node '*node-name*' does not match the node '*node-name*' stored in the user session.**

Explanation

The input target node to the configuration host operation does not match the target node stored in the connected session.

User response

Retry the operation with the correct target node name.

GVM6166E   **A user session is invalid or no SSL certificate to accept.**

Explanation

The initial server connection detects that it requires an SSL certificate and the operation must be called again with the same connection. In this case, the connection is null or invalid.

User response

Make sure the operation call the second time to accept the certificate is using the same iniital connection.

GVM6167E   **A Windows mount proxy node and a Linux mount proxy node are required to enable File Restore.**

Explanation

Either one mounnt proxy node or no proxy node were specified for the configure host operation.

User response

Retry the operation with a node list that have a Windows mount proxy node and a Linux mount proxy node.

GVM6168E   **Configure host failed. Check the tasks list for more information.**

Explanation

Configuring the host consists of registering the target node, registering the data mover and creating the services for backup and restore, registering the mount proxy nodes and creating the services for file level restore. One of these tasks encountered an error.

User response

Fix the error and retry the operation.

GVM6169E   **Unexpected error while configuring to the server.**

Explanation

Possible reasons for this error include the following situations:

- Unknown error while trying to connecting to the server.
- Unknown error while trying to write to the server's database file, server.props.

User response

Check the network connection with the server machine. Verify that the server is running and try to log in again. Also verify server port information is correct.

GVM6170E   **Unexpected error, can not get policy domain for node '*node-name*'.**

Explanation

The target node does not exist on the server or an internal error occurred during the node query.

User response

Run the configuration wizard to register the target node or update the node to another policy domain.

GVM6171E   **Unexpected error, schedule '*schedule-name*' does not exist on the server.**

Explanation

The schedule may have been deleted accidently during the operation.

User response

Select a different schedule.

GVM6172E   **'*domain-name*' is not a valid Windows domain.**

Explanation

LOCALHOST or the computer name are not valid domains.

User response

Enter a valid domain.

GVM6173E   The domain is missing from the user name.

Explanation

The user name you entered is not part of a domain.

User response

Ensure that the user name is in the DOMAIN \UserName format.

GVM6174E   The following addresses cannot be reached: *httpurl, httpsurl*. Verify that the TSM Client Acceptor (CAD) is up and running.

Explanation

The CAD service is not running for the data mover.

System action

The operation cannot continue without a connection to the data mover CAD service.

User response

Make sure the data mover CAD service is running and that the node has the proper proxy relationships established.

GVM6175E   The TCP port from the HTTP response cannot be retrieved. Verify that the TSM Client Acceptor (CAD) is up and running.

Explanation

The CAD service is not running for the data mover.

System action

The operation cannot continue without a connection to the data mover CAD service.

User response

Make sure the data mover CAD service is running and that the node has the proper proxy relationships established.

GVM6176E   The TCP port from the HTTP response cannot be parsed or found.

Explanation

The HTTP stream from the agent does not contain the TCP port number.

System action

The operation cannot continue without a connection to the data mover CAD service.

User response

Make sure the data mover CAD service is running and that the node has the proper proxy relationships established.

GVM6177E   An exception was encountered while parsing TCP port string: *tcpport*.

Explanation

The HTTP stream from the agent returned an invalid TCP port number.

System action

The operation cannot continue without a connection to the data mover CAD service.

User response

Make sure the data mover CAD service is running and that the node has the proper proxy relationships established.

Appendix C. 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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