



Hitachi Content Platform Streamer Adapter for Veritas Enterprise Vault

EV Streamer User Guide

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Enterprise Vault product screen shot(s) reprinted with permission from Veritas, Incorporated.

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Preface

This document describes how to use the Hitachi Content Platform Streamer Adapter for Veritas Enterprise Vault (also referred to as EV Streamer).

This preface includes the following information:

- [Intended audience](#)
- [Software version](#)
- [Related documents](#)
- [Document conventions](#)
- [Getting Help](#)
- [Comments](#)

Notice: The use of Hitachi Content Platform Streamer Adapter for Veritas Enterprise Vault and all other Hitachi Vantara products is governed by the terms of your agreement(s) with Hitachi Vantara.

Preface

Intended audience

This document is intended for Enterprise Vault (EV) system administrators, Hitachi Ltd. representatives, and authorized service providers who are involved in installing, configuring, and operating Hitachi Content Platform (HCP).

This document assumes the following:

- The user is familiar with Enterprise Vault.
- The user is familiar with Hitachi Content Platform.
- The user is familiar with Veritas Enterprise Vault software and the Windows® host systems on which it is installed.

Software version

This document revision applies to Hitachi Content Platform Streamer Adapter for Veritas Enterprise Vault release version 1.4.x.

Related documents

- [Enterprise Vault 12 Documentation](#)
- [Enterprise Vault 11 Documentation](#)





Document conventions

This document uses the following typographic conventions:

Convention	Description
Bold	Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click OK .

Convention	Description
<i>Italic</i>	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: <code>copy source-file target-file</code> Note: Angled brackets (< >) are also used to indicate variables.
screen/code	Indicates text that is displayed on screen or entered by the user. Example: <code># pairdisplay -g oradb</code>
< > angled brackets	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: <code># pairdisplay -g <group></code> Note: Italic font is also used to indicate variables.
[] square brackets	Indicates optional values. Example: [a b] indicates that you can choose a, b, or nothing.
{ } braces	Indicates required or expected values. Example: { a b } indicates that you must choose either a or b.
vertical bar	Indicates that you have a choice between two or more options or arguments. Examples: [a b] indicates that you can choose a, b, or nothing. { a b } indicates that you must choose either a or b.

This document uses the following icons to draw attention to information:

Icon	Label	Description
	Note	Calls attention to important and/or additional information.
	Tip	Provides helpful information, guidelines, or suggestions for performing tasks more effectively.
	Caution	Warns the user of adverse conditions and/or consequences (e.g., disruptive operations).
	WARNING	Warns the user of severe conditions and/or consequences (e.g., destructive operations).

Getting help

The Hitachi Vantara Support Center staff is available 24 hours a day, seven days a week. Provisions for patches and fixes are restricted to normal business hours, 8 a.m. to 5 p.m. PST.

To reach us, please visit the support Web site for current telephone numbers and other contact information:

https://support.hitachivantara.com/en_us/contact-us.html. If you purchased this product from an authorized Hitachi reseller, contact that reseller for support.

Before calling the Hitachi Vantara Support Center, please provide as much information about the problem as possible, including:

- The circumstances surrounding the error or failure.
- The exact content of any error message(s) displayed on the host system(s).
- All Windows error log messages from Enterprise Vault that are relevant to the issue.

Comments

Please send us your comments on this document:

HCPDocumentationFeedback@HitachiVantara.com. Include the document title, number, and revision, and refer to specific section(s) and paragraph(s) whenever possible. (All comments become the property of Hitachi Vantara Corporation.)

Thank you!

About EV Streamer

This chapter describes and provides an overview of EV, HCP, and EV Streamer.

- [EV Streamer overview](#)

EV Streamer overview

Veritas Enterprise Vault (EV) provides a software-based intelligent archiving platform that stores, manages, and enables the discovery of corporate data from e-mail systems, file server environments, instant messaging platforms, content management, and collaboration systems. When used with Hitachi Content Platform (HCP), the result is an open, highly scalable, intelligent archive that preserves and protects data, while at the same time greatly reducing storage capital and ongoing management costs.

Using the Hitachi Content Platform Streamer Adapter API interface, EV can take better advantage of HCP features, communicate with HCP over its REST-based enhanced interface, place data in secure and authenticated namespaces, and validate that the data has been successfully replicated to a remote HCP system.

Requirements and installation

This chapter provides the prerequisites and steps for installing and setting up EV Streamer.

- ☐ [Installation and set-up prerequisites](#)
- ☐ [Installing EV Streamer](#)
- ☐ [Setting up EV Streamer](#)

Requirements and installation

The following sections list the prerequisites for installing and setting up EV Streamer and include the steps to install and set up EV Streamer.

Installation and set-up prerequisites

Before installing EV Streamer, ensure that the following are installed first:

- Enterprise Vault Version 11.0.0 Hotfix 3 or later
- HCP 7.x or later

Before setting up EV Streamer, ensure the following:

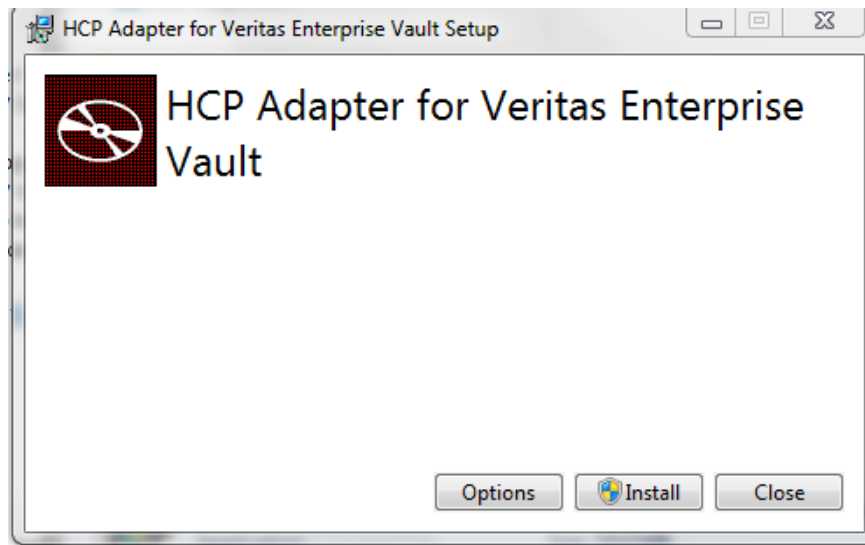
- Enterprise Vault Version 11 or later is installed and ready to create new Vault Store Partitions
- HCP 7.x or later is installed and has the following configurations:
 - The HCP DNS is integrated with the data center DNS
 - The tenant(s) and namespace(s) used for Vault Store Partitions are created before using the HCP Partition Wizard of EV
 - The Namespace Data Access User Account name and password are created prior to using the HCP Partition Wizard of EV
- EV Streamer is installed on each EV Server

Installing EV Streamer

The EV Streamer software is available for download from the Hitachi Vantara Support Portal. To install this software:

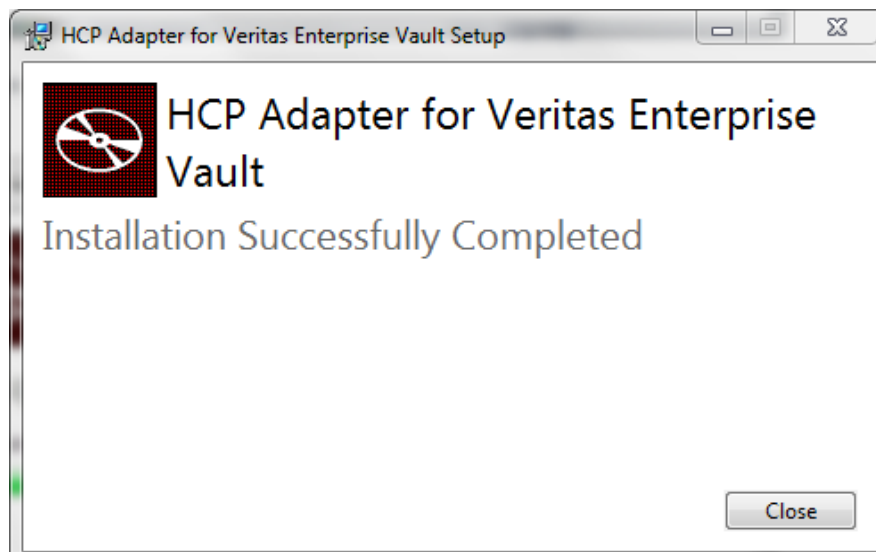
1. Stop the **File System Archiving Task**.
2. Stop the **Enterprise Vault Storage Service**.
3. Uninstall the earlier version of EV Streamer.
4. Double-click on **Hitachi Content Platform Streamer Adapter for Veritas Enterprise Vault** in its file location.

The first page of the Installation Wizard is displayed.



5. Click on **Install**.

The Installation Wizard confirms that the installation was successfully completed.



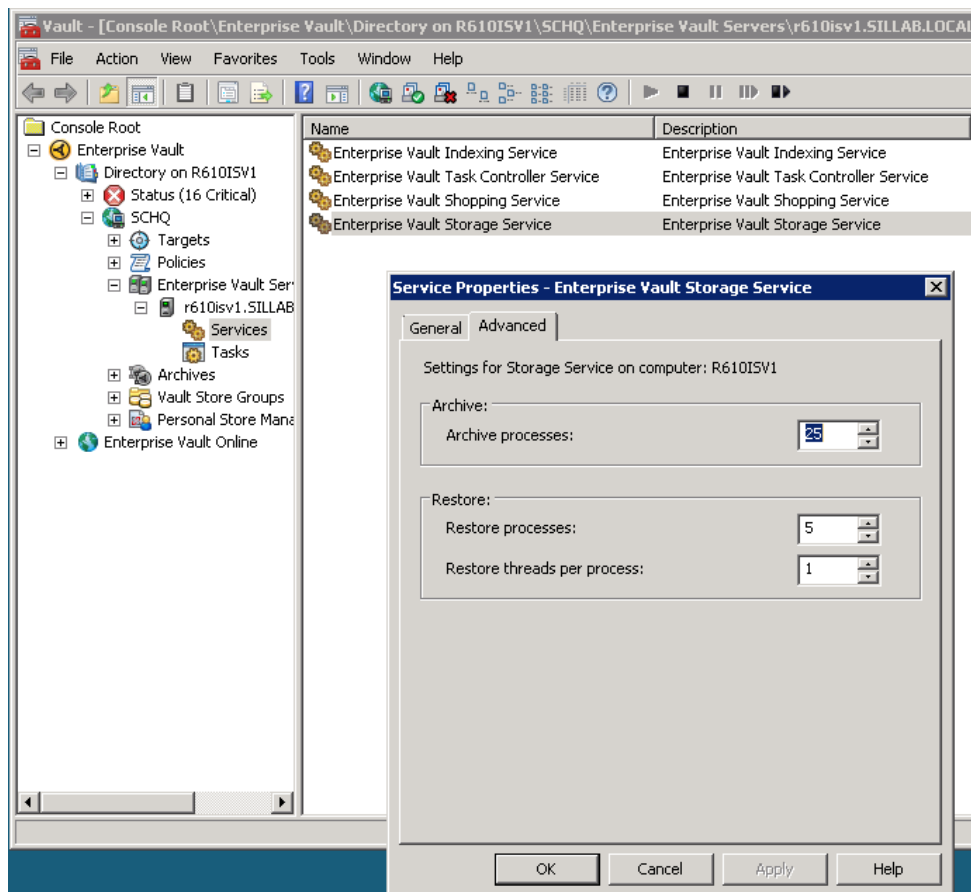
6. When the installation is complete, click on **Close**.

Setting up EV Streamer

To set up EV Streamer:

1. In the Enterprise Vault (EV) console, expand the Enterprise Vault Services in the Console Root tree and double-click on **Services**.
2. In the main window, select **Enterprise Vault Storage Service**.

The Service Properties window is displayed.



3. Click on the **Advanced** tab.
4. Adjust the value of **Archive processes** as necessary to increase archive performance. The maximum value is 25.
5. Adjust **Restore** values as necessary.
6. Click on **OK**.

Configuring EV Streamer

This chapter provides the procedural steps for configuring EV Streamer and performing various EV Streamer operations.

- ❑ [Overview](#)
- ❑ [Creating a new tenant in HCP](#)
- ❑ [Creating a new namespace in HCP](#)
- ❑ [Configuring an HCP namespace for CIFS](#)
- ❑ [Configuring an EV server for CIFS](#)
- ❑ [Creating a Vault Store Group in EV](#)
- ❑ [Creating a Vault Store in EV](#)
- ❑ [Creating an HCP Vault Store Partition in EV](#)
- ❑ [Creating an HCP Vault Store Partition in EV with CIFS](#)

Configuring EV Streamer

The following sections include the procedural steps for configuring EV Streamer. These sections also include how to configure HCP as a CIFS Vault Store Partition within EV.

Overview

HCP 7.x and later supports multiple tenants, each tenant a peer of others, and for each tenant, multiple namespaces. Each tenant has its own disk quota, and each namespace of a given tenant can share that quota.

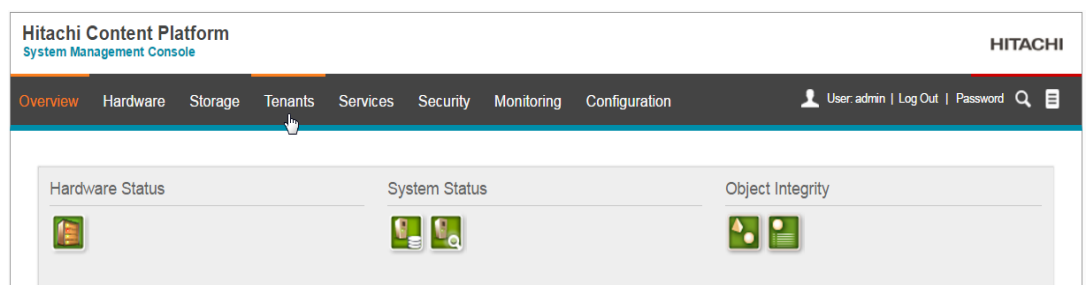
Multiple vault store partitions can share the same namespace as long as each partition has a unique root folder path.

When multiple EV servers exist, each server can share the same tenant, but each server should have its own dedicated namespace.

Recommended practice is to create all necessary EV vault store partitions that share the same namespace in a unique root folder path.

Creating a new tenant in HCP

1. Open the HCP System Management Console.



2. Click on the **Tenants** tab then click on **Create Tenant**.

Hitachi Content Platform
System Management Console

Overview Hardware Storage **Tenants** Services Security Monitoring Configuration

User: admin | Log Out | Password

Tenants

▼ Create Tenant 960.72 GB Used 15.99 TB (of 16.93 TB) Available

Tenant Name: EV

Description (Optional):

Management Network: [hcp_system] Data Network: [hcp_system]

Hard Quota: 500 GB TB Soft Quota: 85 % Namespace Quota: No quota (9928 namespaces available)

Authentication Types: Local RADIUS Active Directory Initial Security Account: Local Active Directory

Username: evtest Password: Confirm Password:

Contact Information: Optional

Tags: Optional

Enable features for this tenant:

- ☒ Replication (Select namespaces for replication.)
- ☐ Retention Mode Selection (Select retention mode for a namespace.)
- ☒ Search (Configure search for a namespace.)
- ☐ Service Plan Selection (Select service plan for a namespace. Default)
- ☐ Versioning (Configure versioning for a namespace.)

Create Tenant Cancel

3. Assign a name and password for a new tenant in UTF-8 lowercase letters.
4. Assign a **Disk Quota** for anticipated data storage requirements.
5. Set a **Namespace Quota** (number of namespaces allowed in the tenant) to unlimited or to the number of EV servers that access HCP.
6. Disable **Disposition Service** and **Versioning** (the default values).
7. Enable **Search** and **Replication**.
8. Leave all other tenant settings in their default values.

Creating a new namespace in HCP

1. Open the HCP Tenant Management Console.

Hitachi Content Platform
System Management Console

Overview Hardware Storage **Tenants** Services Security Monitoring Configuration

User: admin | Log Out | Password

Successfully created tenant EV. Dismiss

Tenants

Create Tenant 17.27 GB Used 544.94 GB (of 562.21 GB) Available

1 - 10 of 10 Tenants

Name	Mgmt Network	Data Network	Alerts	Usage	Quota
Default	[hcp_system]	[hcp_system]		0.00 bytes	No Quota
EV	[hcp_system]	[hcp_system]		0.00 bytes	of 500.00 GB

Overview Settings

https://ev.hcp.hcp-demo.com:8000
Tenant for Veritas Enterprise Vault

Features Enabled	Namespaces	Objects	Storage
Search	Quota: 1 Used: 0 Available: 1	Ingested: 0 Indexed: 0	Quota: 500.00 GB Used: 0.00 bytes Available: 500.00 GB

- The tenant-level user must have administrative privileges to create a new namespace. Select the **Security** tab and then click on **Users**.

Hitachi Content Platform
Tenant Management Console

Security Monitoring

User: evadmin | Log Out | Password

Console Security
MAPI
Search Security
Users

1 - 1 of 1 Users

Username	Status	Full Name	Type
evadmin	Enabled	evadmin	LOCAL

- Click to **expand** the initial user and assign compliance and administrative privileges to the account. These assignments are immediately updated and are reflected in the menu options.

Username	Status	Full Name	Type
evadmin	Enabled	evadmin	LOCAL

☒ **Enable account**
User ID: 0ccb346d-4ead-47af-8325-d8c17febcd92

Username

Full Name

Password

Confirm Password

☐ Force change on next login

Roles
☒ Monitor
☒ Administrator
☒ Security
☒ Compliance

Description
Administrator role grants permission to view tenant and namespace status and configure the tenant and its namespaces.

☒ Allow namespace management

Update Settings
Cancel

4. Select the **Namespaces** tab and then click on **Create Namespace**.
5. Assign a name for the new namespace in UTF-8 lowercase letters.

Hitachi Content Platform
Tenant Management Console
HITACHI

Overview
Namespaces
Services
Security
Monitoring
Configuration

User: evadmin | Log Out | Password

Namespaces

Create Namespace
0.00 bytes Used 500.00 GB Available

Namespace Name

0 namespaces used 1 namespaces available

Namespace Owner (Optional)

☐ Local ☐ Active Directory

Description (Optional)

Hash Algorithm
SHA-256

Hard Quota
400.00 GB

Soft Quota
85 %

Tags
Optional

Configure features for this namespace

Search
☐ Off ☒ On

Create Namespace
Cancel

6. Assign a **Disk Quota** for anticipated data storage requirements.
7. At the bottom of the page under **Search**, select **On**. Search needs to be enabled to allow EV to query the storage structure on HCP when attempting to rebuild its internal database view.
8. Select the **Security** -> **Users** tab and create a User Access Account with a password that has required access permissions to the namespace.

The screenshot shows the Hitachi Content Platform Tenant Management Console. The 'Security' tab is selected in the top navigation bar. A dropdown menu is open, showing 'Console Security', 'MAPI', 'Search Security', and 'Users' (which is highlighted). The main content area is titled 'Users' and contains two sections: 'Create User Account' and 'Assign Namespace Permissions'.

Create User Account:

- ☒ Enable account
- Username: evuser
- Full Name: Enterprise Vault User
- Authentication: ☒ Local ☐ RADIUS
- Password: [masked]
- Confirm Password: [masked]
- ☐ Force change on next login
- ☐ Allow namespace management

Assign Namespace Permissions:

This step can be completed later.

1 Find and Select Namespaces:

Search: [input field] Select All

evnamespace

2 Assign Data Access Permissions for Selected Namespaces: 1 Namespace Selected

☒ Browse ☒ Read ☒ Write ☒ Delete ☐ Purge ☒ Privileged ☒ Search

☐ Read ACL ☐ Write ACL ☐ Change Owner

Select all

Create User Account Cancel



Important: Do not change the default retention setting (**Deletion Allowed**) for the namespace.

- If you want to enable HTTP access on the HCP partition in EV, enable the HTTP protocol in the **Protocol** tab of the Namespace Admin UI.

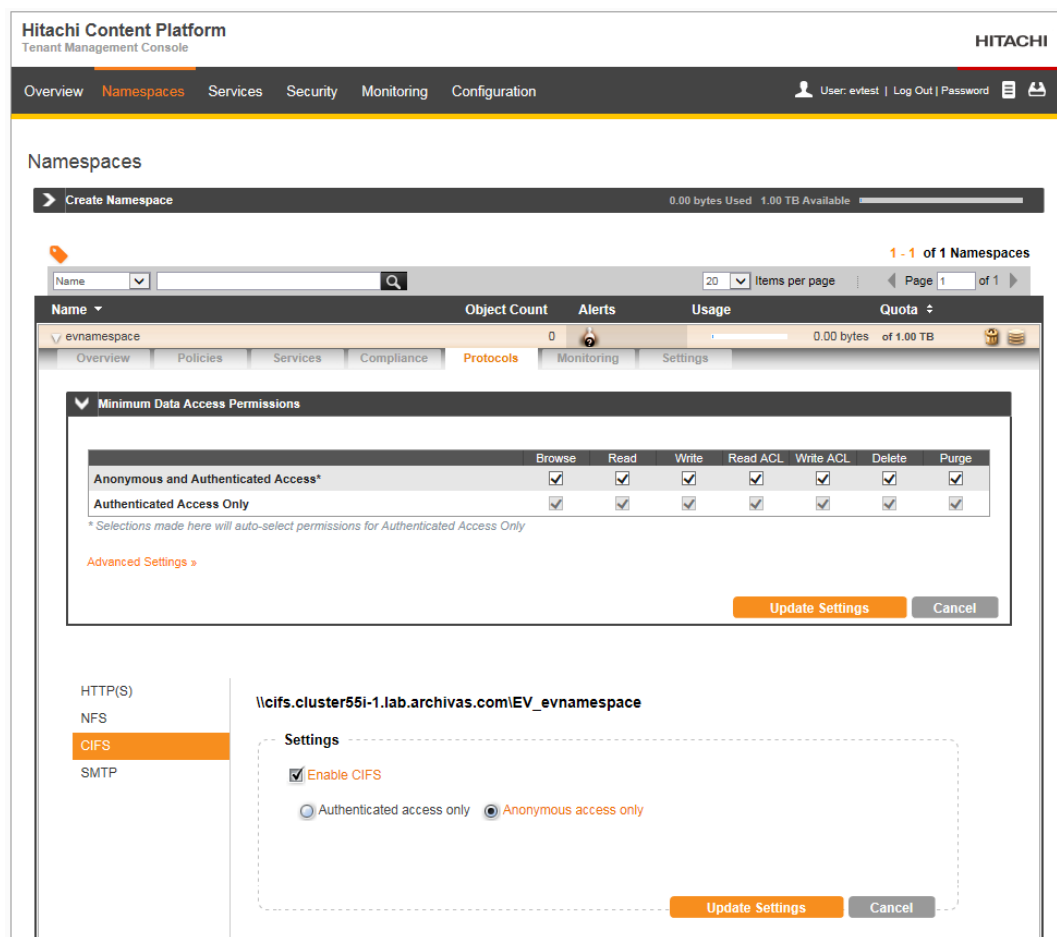
The HTTP protocol should be used only on a network that is secure from malicious monitoring.

Configuring an HCP namespace for CIFS

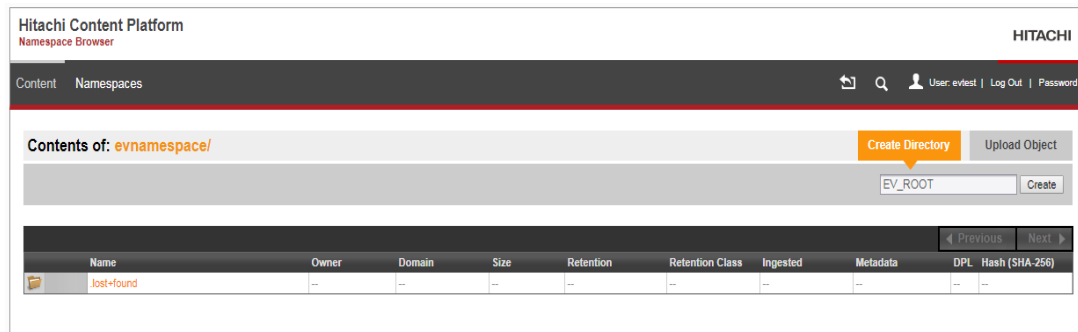
Optionally, after you have created an HCP namespace, you can configure that namespace to utilize the CIFS namespace access protocol. To configure an HCP namespace to use the CIFS protocol:

- In the HCP Tenant Management Console, click on the **Protocols** tab of a namespace that you have created.

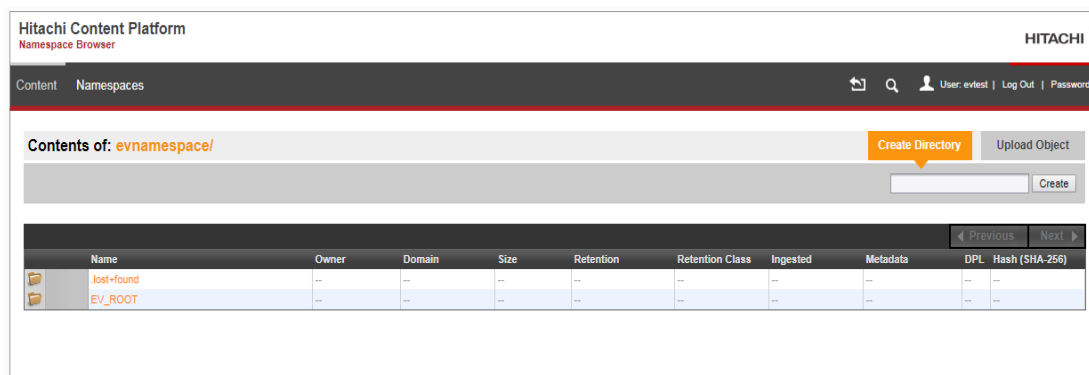
2. Select the **Enable CIFS** option.
3. Select the **Anonymous access only** option.
4. Under **Minimum Data Access Permissions**, select each of the checkboxes in the **Anonymous and Authenticated Access** row.



5. Under **Case Sensitivity**, select the **Make CIFS case sensitive** option.
6. Under **Case Sensitivity**, select the **Make CIFS case forcing** option, then select the **Uppercase** option.
7. Enter the **Namespace Browser** of the namespace that you have created.



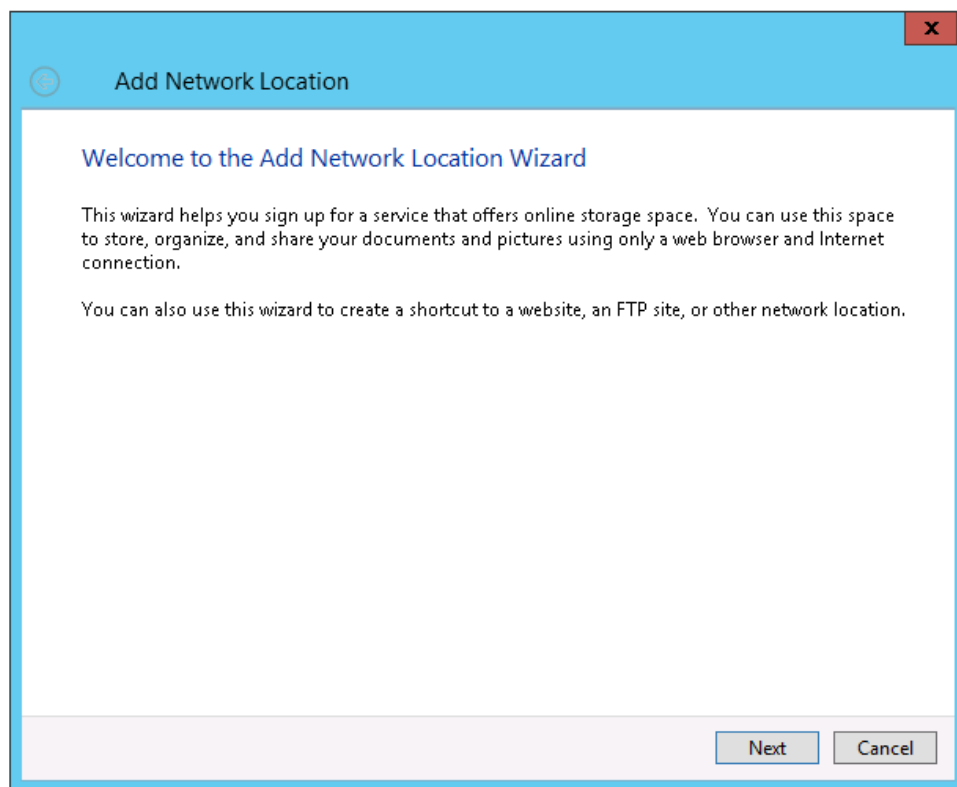
- Under **Create Directory**, enter a name for the new top-level directory. **Do not use any lowercase letters in the directory name.** The directory that you create will be used to contain the archived EV data.



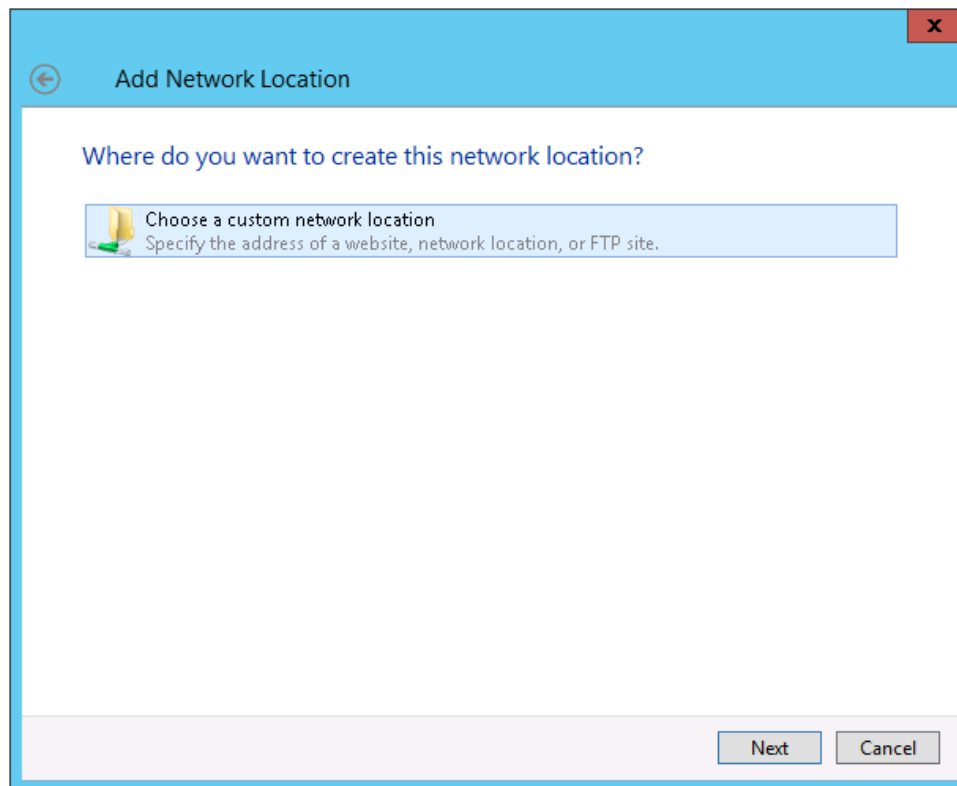
Configuring an EV server for CIFS

If you have configured an HCP namespace that you have created to use the CIFS protocol, you also need to configure an EV server for CIFS access. To configure an EV server for CIFS access:

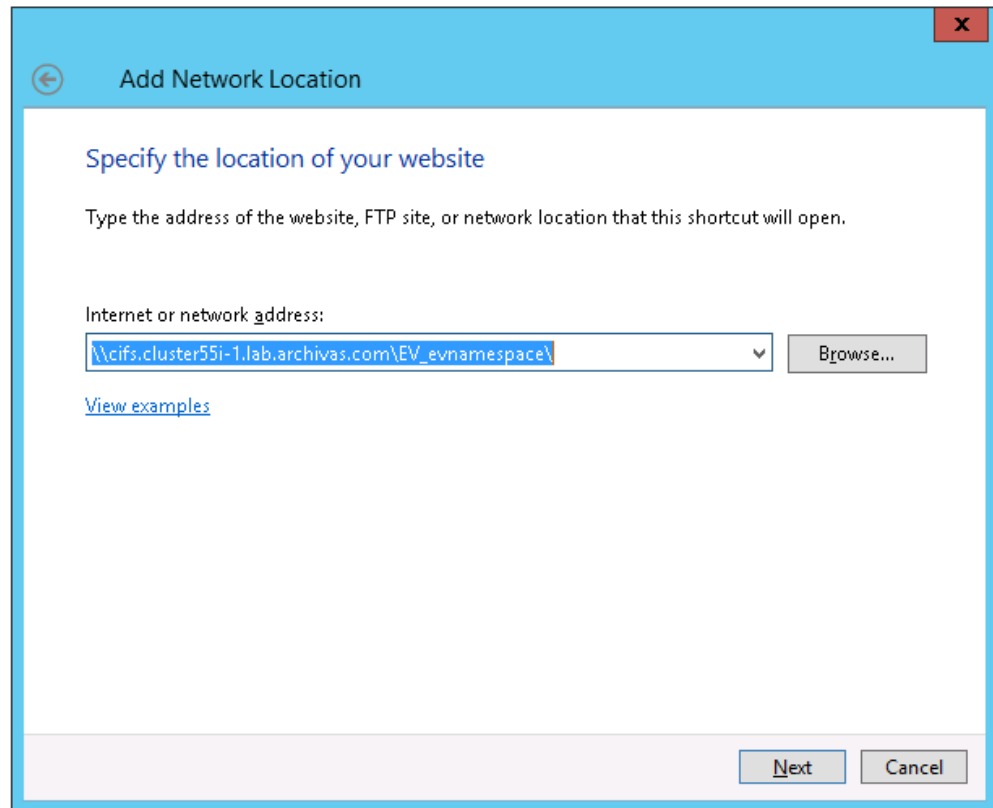
- In your EV server, open the **Add Network Location** wizard, then click on **Next**.



2. Select **Choose a custom network location** then click on **Next**.



3. Enter the network address of the HCP namespace that you have created. This is the address on which you clicked to enter the **Namespace Browser** in the previous section.



Specify the location of your website

Type the address of the website, FTP site, or network location that this shortcut will open.

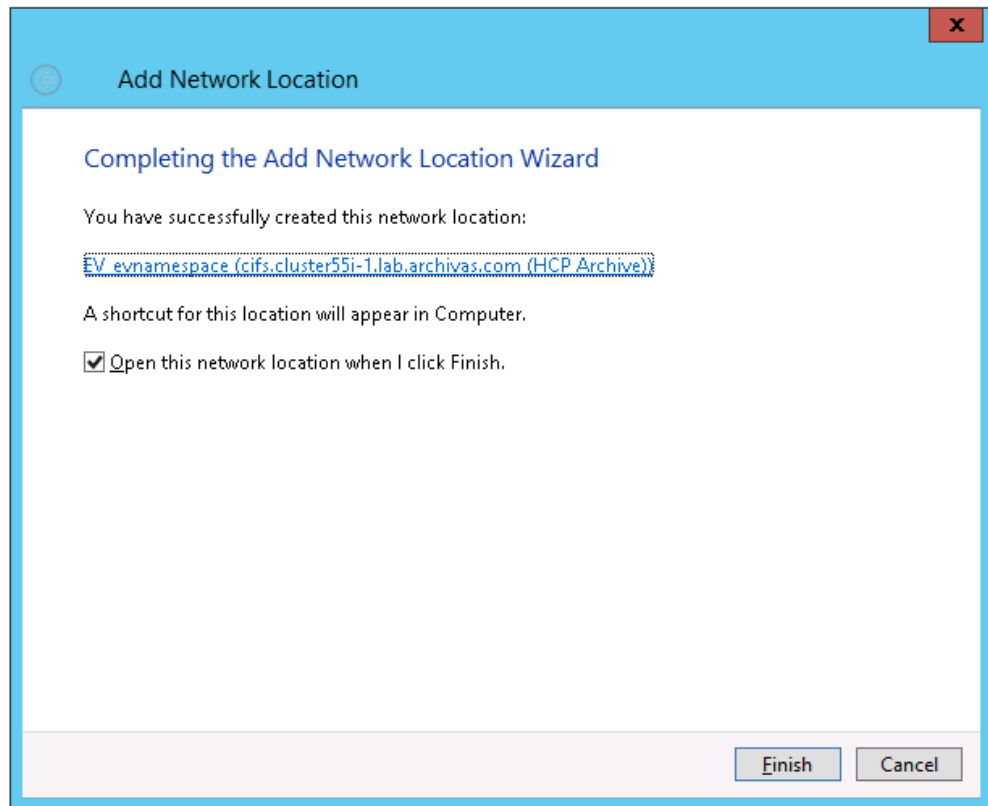
Internet or network address:

Browse...

[View examples](#)

Next Cancel

4. Click on **Next**.
5. Confirm that you have successfully created the network location, then click on **Finish**.

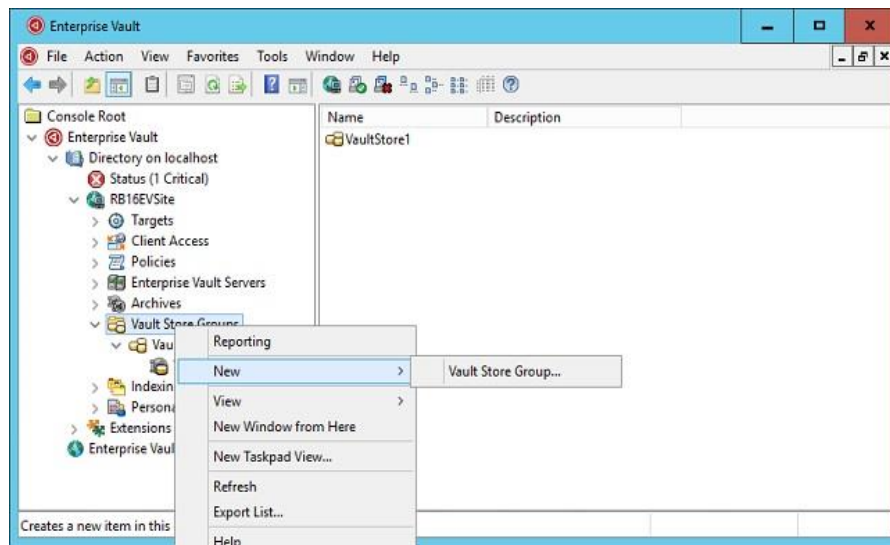


Creating a Vault Store Group in EV

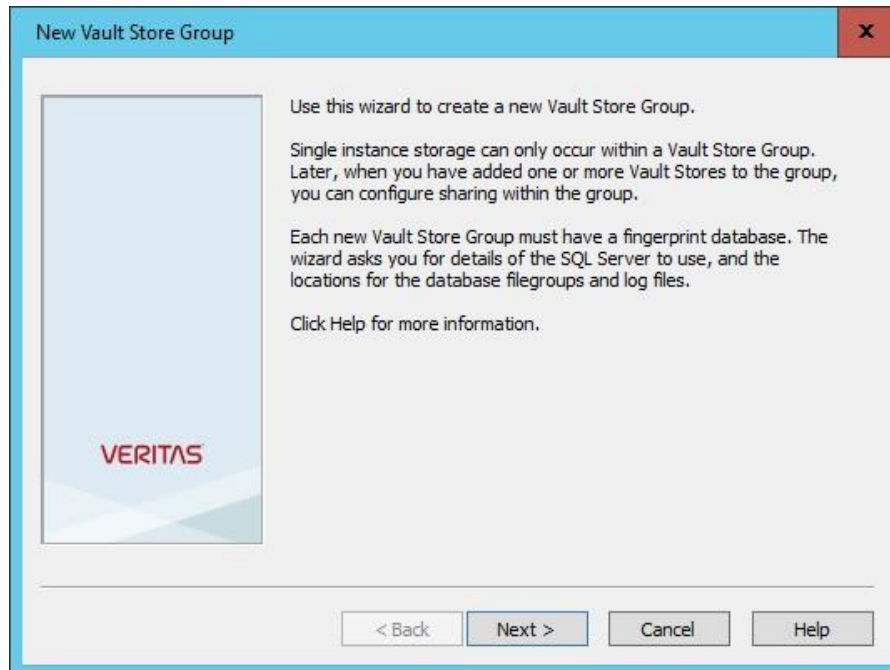
Vault Stores are grouped within Vault Store Groups. If you use Enterprise Vault single instance storage, a Vault Store Group forms an outer boundary for the sharing of SIS parts.

To create a Vault Store Group using the New Vault Store Group wizard:

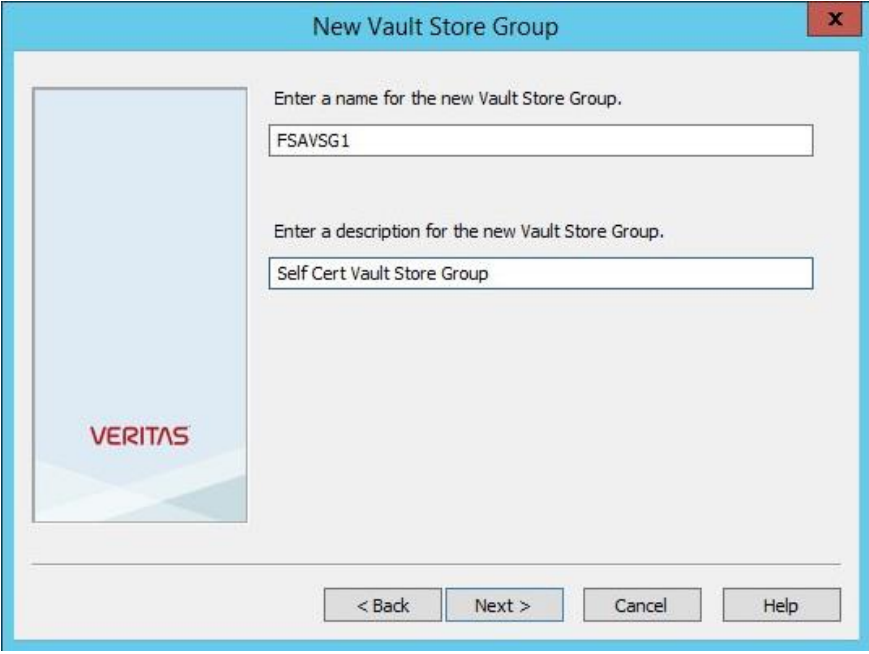
1. Right-click on **Vault Store Group** in the EV Administration Console. Select **New -> Vault Store Group**.



2. Click on **Next**.

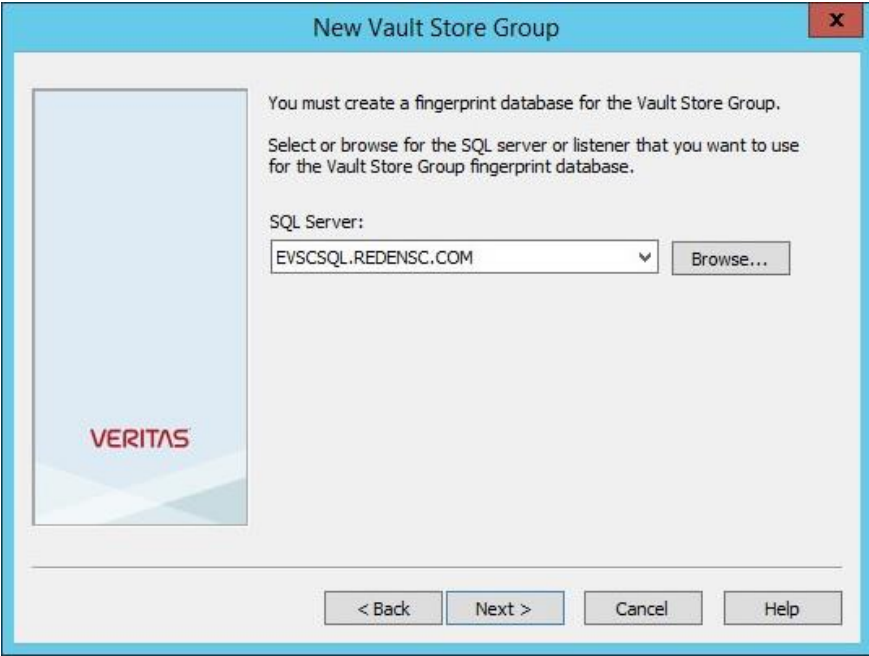


3. Enter a name (**FSAVSG1**) and a description (**Any**) for the new Vault Store Group then click on **Next**.



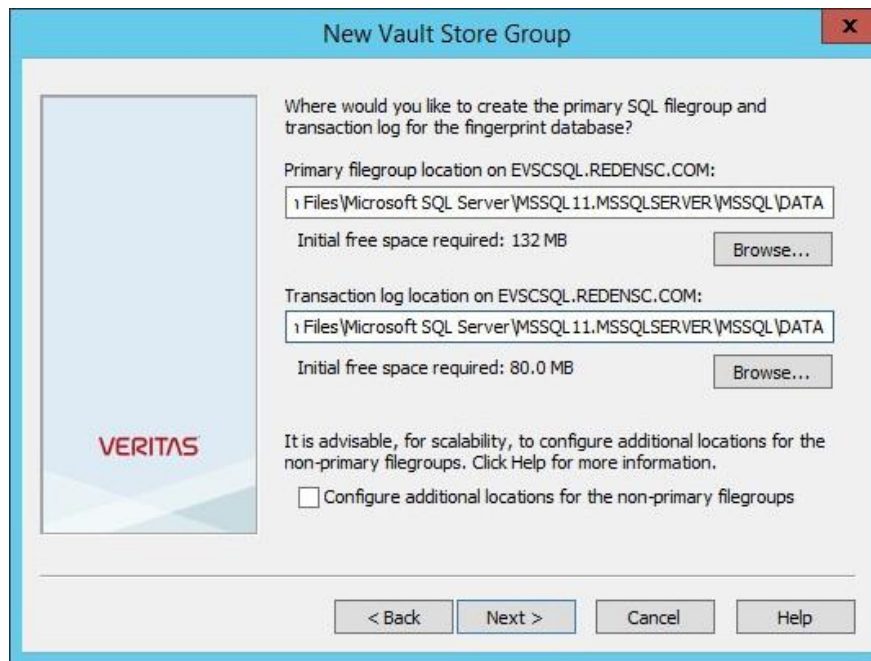
The dialog box is titled "New Vault Store Group" and features the Veritas logo on the left. It contains two text input fields. The first field is labeled "Enter a name for the new Vault Store Group." and contains the text "FSAVSG1". The second field is labeled "Enter a description for the new Vault Store Group." and contains the text "Self Cert Vault Store Group". At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

4. Enter the SQL server to be used for the Vault Store Group Fingerprint Database then click on **Next**.

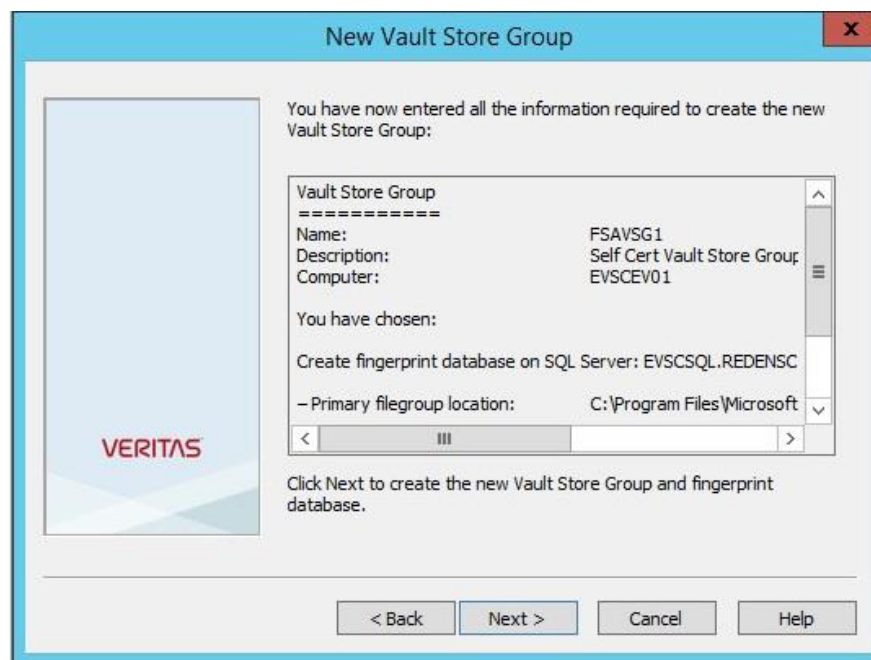


The dialog box is titled "New Vault Store Group" and features the Veritas logo on the left. It contains a text input field labeled "SQL Server:" with the text "EVSCSQL.REDENSC.COM" and a "Browse..." button. At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

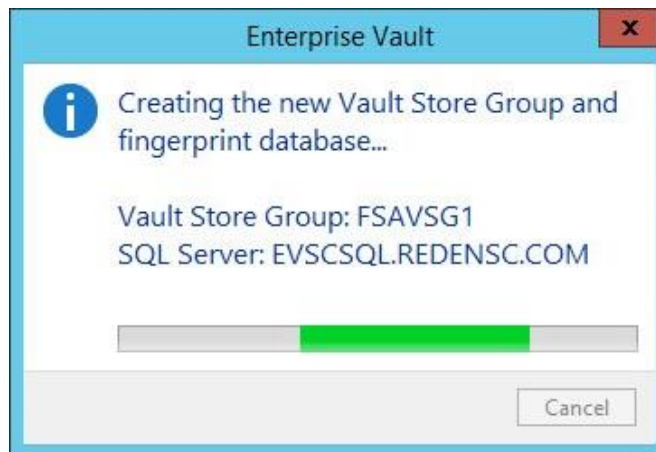
5. Enter the SQL Primary filegroup and Transaction log locations. Make sure that **Configure additional locations for the non-primary filegroups** is unchecked then click on **Next**.



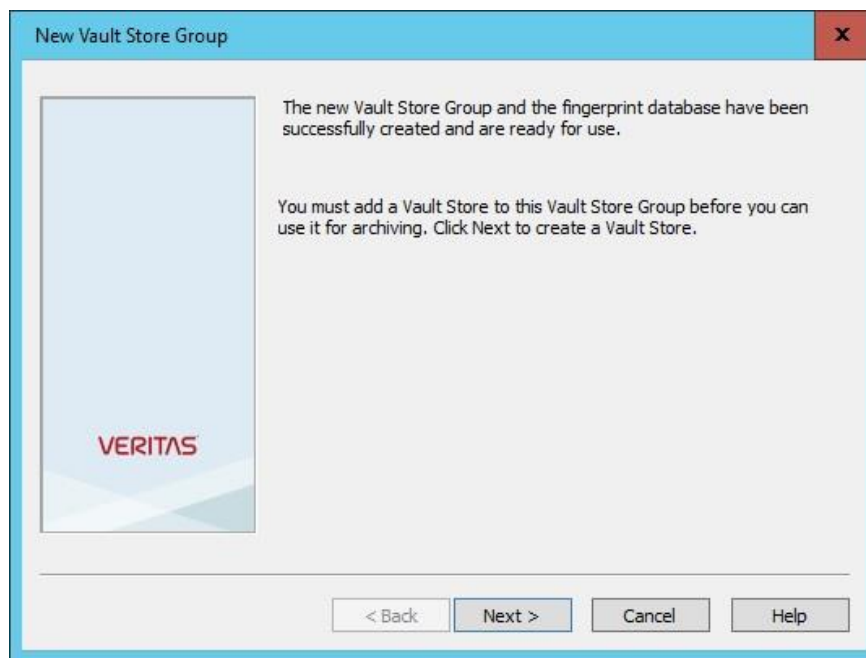
6. Confirm the **Vault Store Group** Information then click on **Next**.



7. Click on **Next** to create the new Vault Store Group and fingerprint database.



8. Check that the Vault Store Group and fingerprint database have been successfully created then click on **Next**.



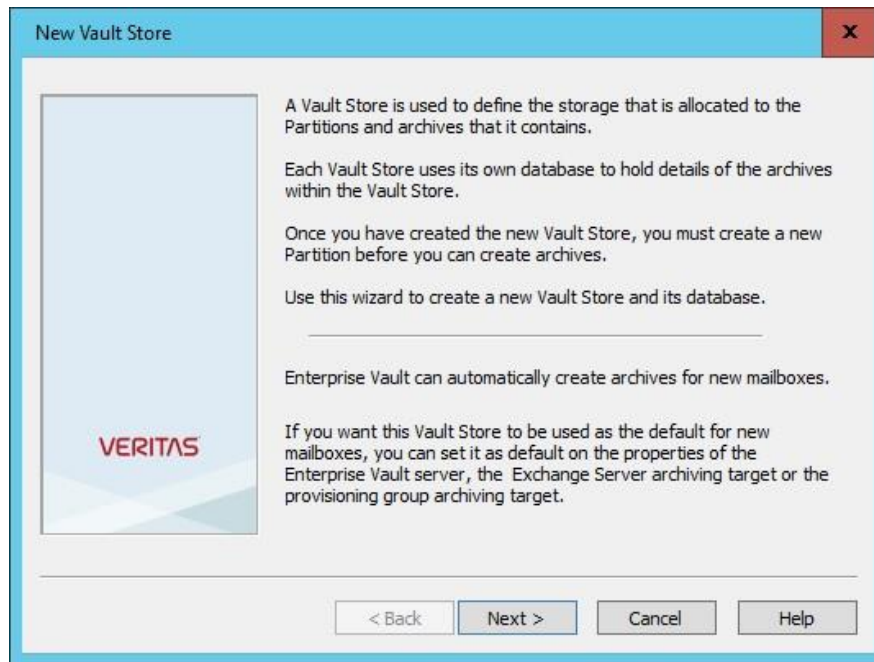
Creating a Vault Store in EV

When you create a Vault Store, you need to specify an Enterprise Vault Storage service to manage it and a location for the SQL Vault Store database.

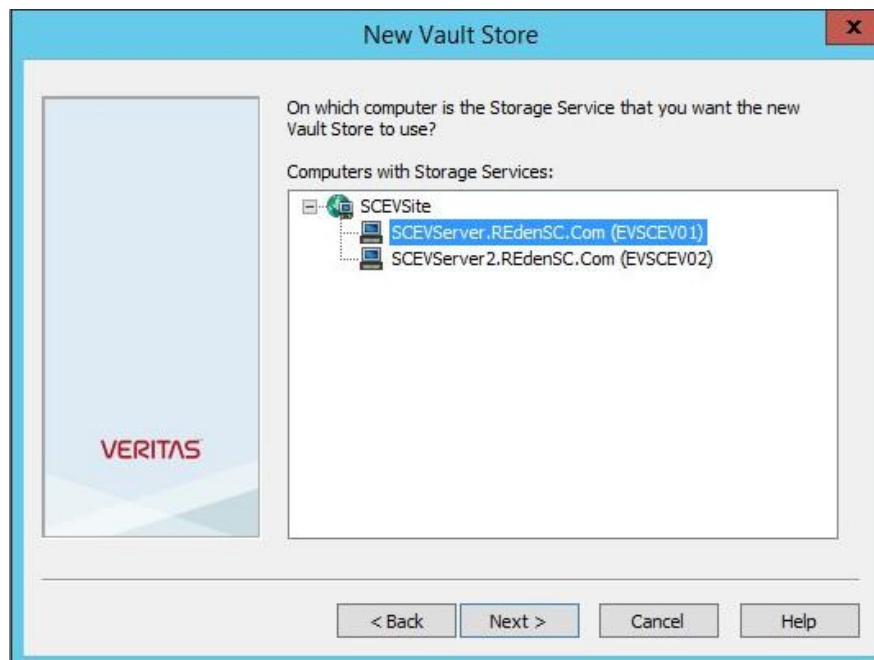
The Vault Store database holds information about the archives in the Vault Store and all the items that are stored in each archive. For example, when an archived item is backed up, this is reflected in the information held in the Vault Store database.

To create a Vault Store:

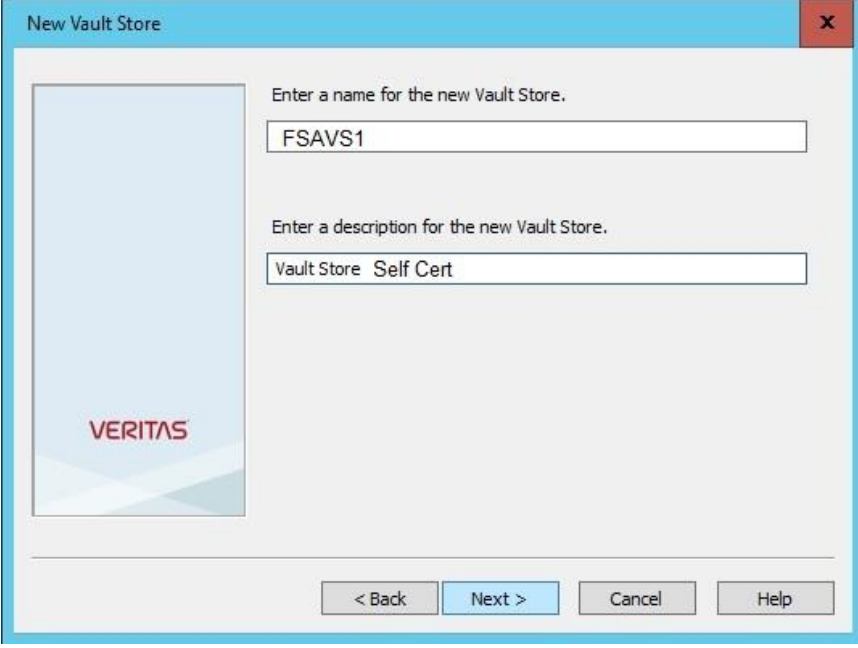
1. After creating a Vault Store Group in the New Vault Store Group wizard, click on **Next** to create a new Vault Store.



2. Select server **EVSCEV01** for the Storage Service that you want the new Vault Store to use then click on **Next**.

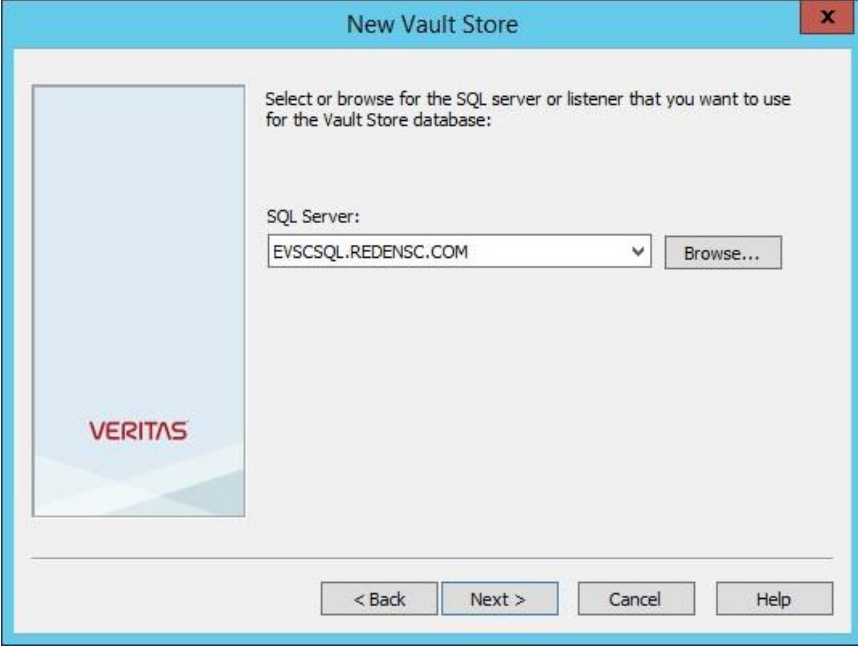


3. Enter a name (**FSAVS1**) and a description (**Any**) for the new Vault Store then click on **Next**.



The 'New Vault Store' dialog box is shown. It has a blue title bar with the text 'New Vault Store' and a red close button. On the left is a light blue rectangular area with the 'VERITAS' logo at the bottom. The main area contains two text input fields. The first field is labeled 'Enter a name for the new Vault Store.' and contains the text 'FSAVS1'. The second field is labeled 'Enter a description for the new Vault Store.' and contains the text 'Vault Store Self Cert'. At the bottom are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

4. Enter the SQL Server to be used for the Vault Store database then click on **Next**.



The 'New Vault Store' dialog box is shown. It has a blue title bar with the text 'New Vault Store' and a red close button. On the left is a light blue rectangular area with the 'VERITAS' logo at the bottom. The main area contains a text input field labeled 'SQL Server:' with the text 'EVSCSQL.REDESC.COM' and a dropdown arrow. To the right of the field is a 'Browse...' button. At the bottom are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

5. Enter the **Vault Store Database** and **Transaction log** locations then click on **Next**.

New Vault Store

Where would you like the new Vault Store database and its transaction log to be created?

Vault Store Database location on EVSCSQL.REDENC.COM:

1 Files\Microsoft SQL Server\MSSQL 11.MSSQLSERVER\MSSQL\DATA

Initial free space required: 100 MB Browse...

Transaction log location on EVSCSQL.REDENC.COM:

1 Files\Microsoft SQL Server\MSSQL 11.MSSQLSERVER\MSSQL\DATA

Initial free space required: 80.0 MB Browse...

< Back Next > Cancel Help

6. Ensure that **Remove original items** is selected. In the **Default Behavior** dropdown menu, select **Yes, in the storage queue** then click on **Next**.

For recommended configuration settings, see [About Enterprise Vault Safety Copies](#).

New Vault Store

When an item is archived, a safety copy is retained. You must specify when to delete this safety copy. Click Help for more information.

☒ Remove original items

Do you want to retain safety copies until the Vault Store partition has been backed up or replicated?

Default behavior:

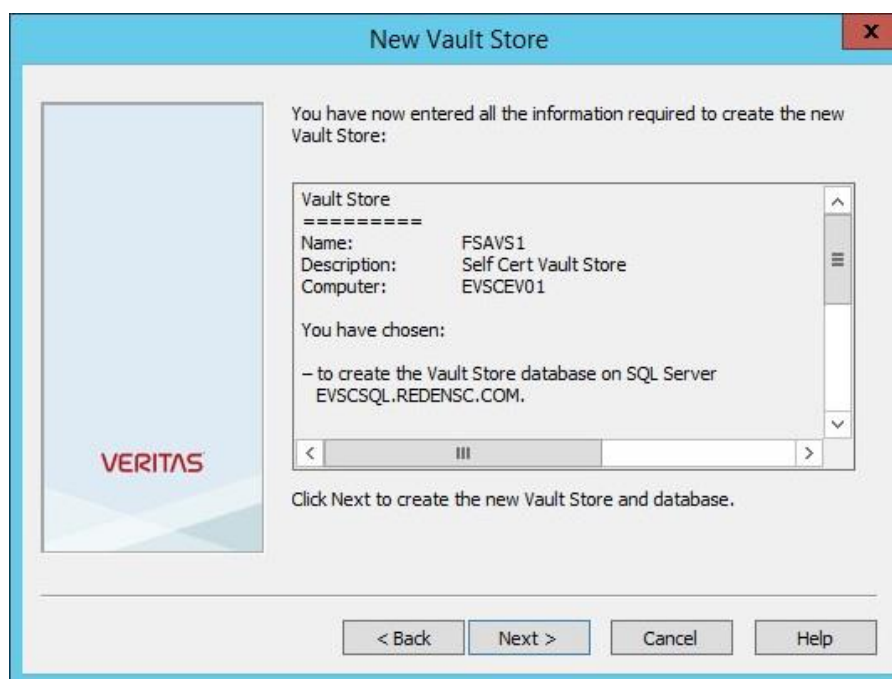
Yes, in the storage queue

For journal archives:

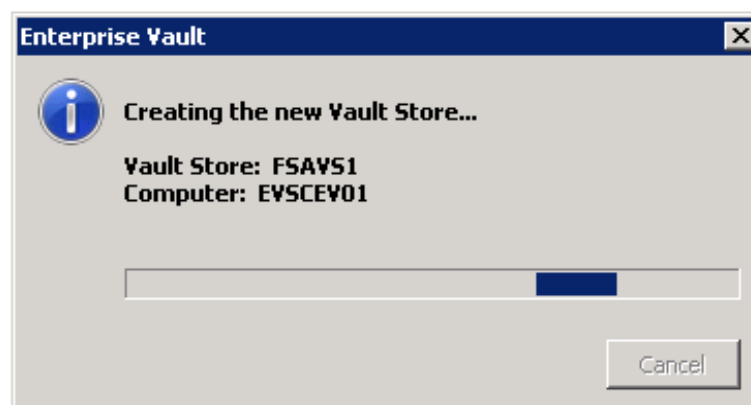
Yes, in the storage queue

< Back Next > Cancel Help

7. Confirm the Vault Store information then click on **Next**.



8. The installation window displays the setup progress.



9. Check that the Vault Store and SQL server database have been successfully created then click on **Next**.



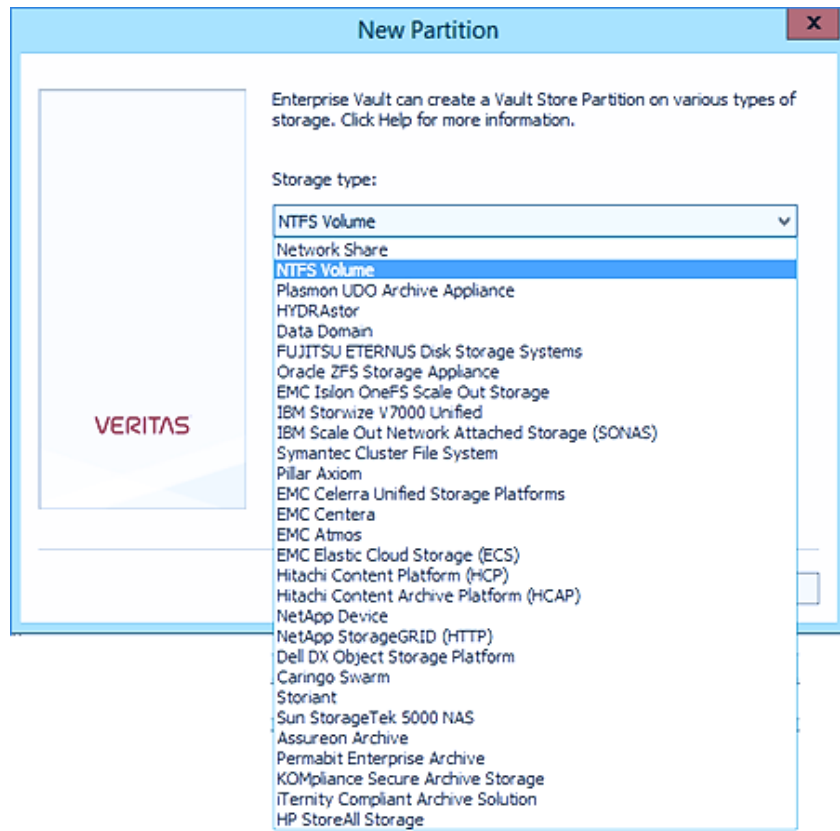
Creating an HCP Vault Store Partition in EV

The HCP Vault Store Partition can be created within any existing Vault Store Group and Vault Store within EV. A new Vault Store Group and/or Vault Store may be created for HCP using standard EV techniques.

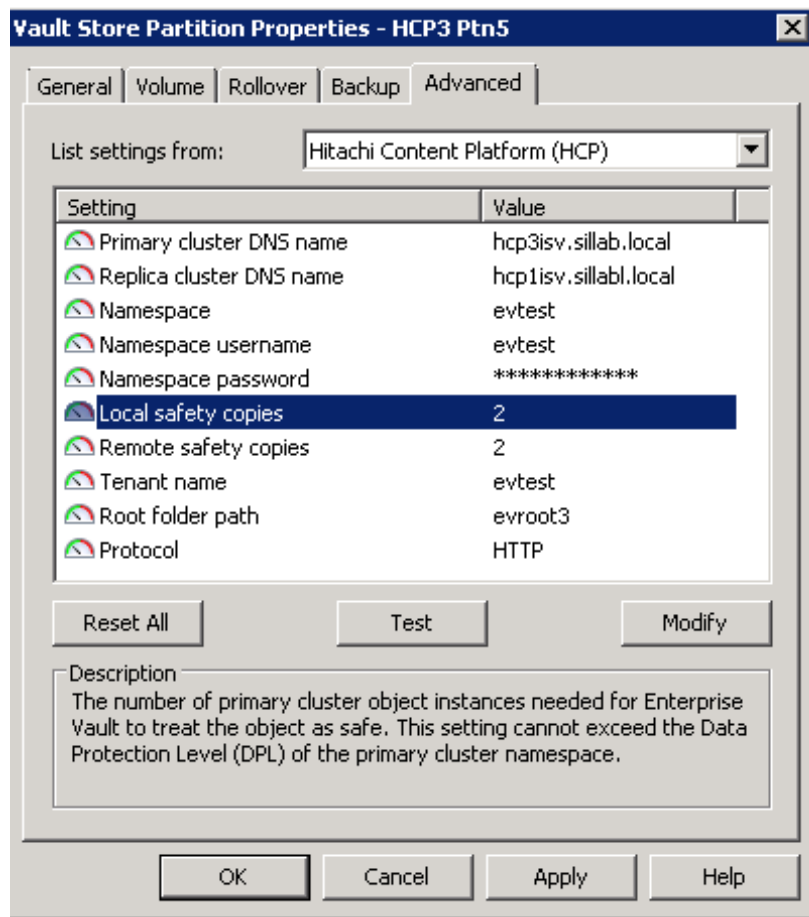
To create an HCP Vault Store Partition in EV using the CIFS protocol, see [Creating an HCP Vault Store Partition in EV with CIFS](#).

To create an HCP Vault Store Partition in EV (without CIFS):

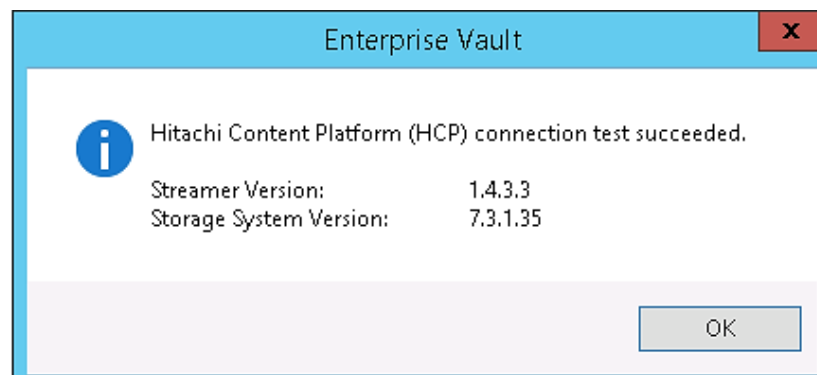
1. Right-click on the selected Vault Store and select **New Partition**. In the Veritas **New Partition** window, select **Hitachi Content Platform (HCP)** from the dropdown menu.



2. In the **Configuration** window, enter the **DNS**, **Tenant**, **Namespace**, and **Data Access User** information.
3. If you do not want to configure a replica, leave the **Replica Cluster Name** blank. A replica can be configured at a later time.
4. Set the number of **Local Safety Copies** to the DPL (data protection level) value of the local namespace accessed by EV.
5. Set the number of **Remote Safety Copies** to the DPL (data protection level) value of the remote HCP namespace accessed by EV. If EV is not accessing a remote HCP namespace, set the value to **0**.
6. Click the **Advanced** tab to view the new settings.

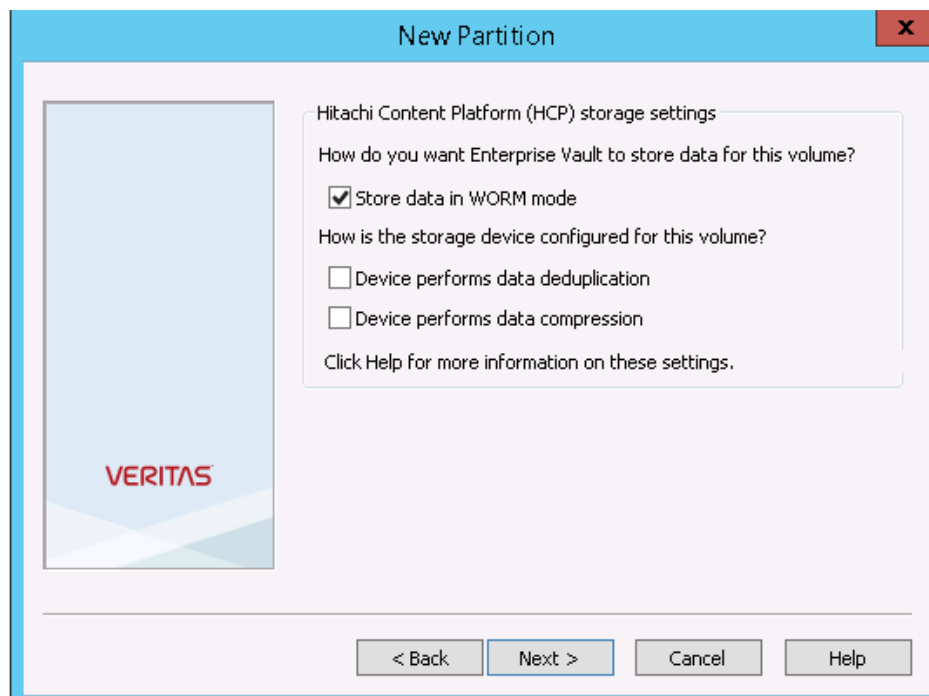


- Confirm the settings then click on **Test**. The following confirmation message is displayed:



Note: In the above message, **Streamer Version** refers to EV Streamer. **Storage System Version** refers to HCP.

- Click on **OK** to return to the **New Partition** window.

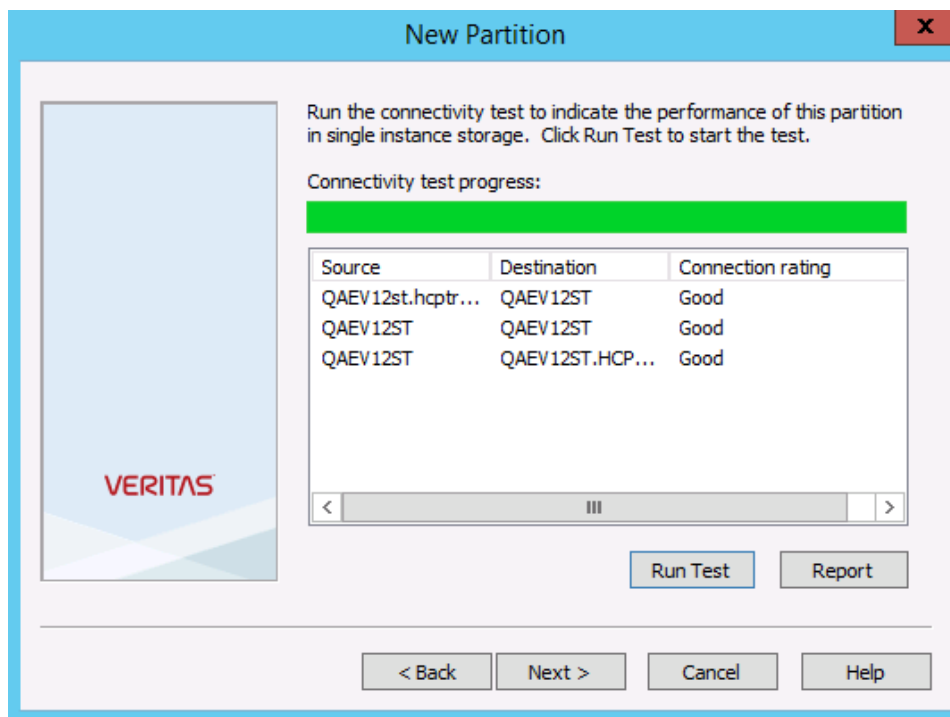


9. Check the **Store data in WORM mode** checkbox.
10. Uncheck the **Device performs data deduplication** checkbox.

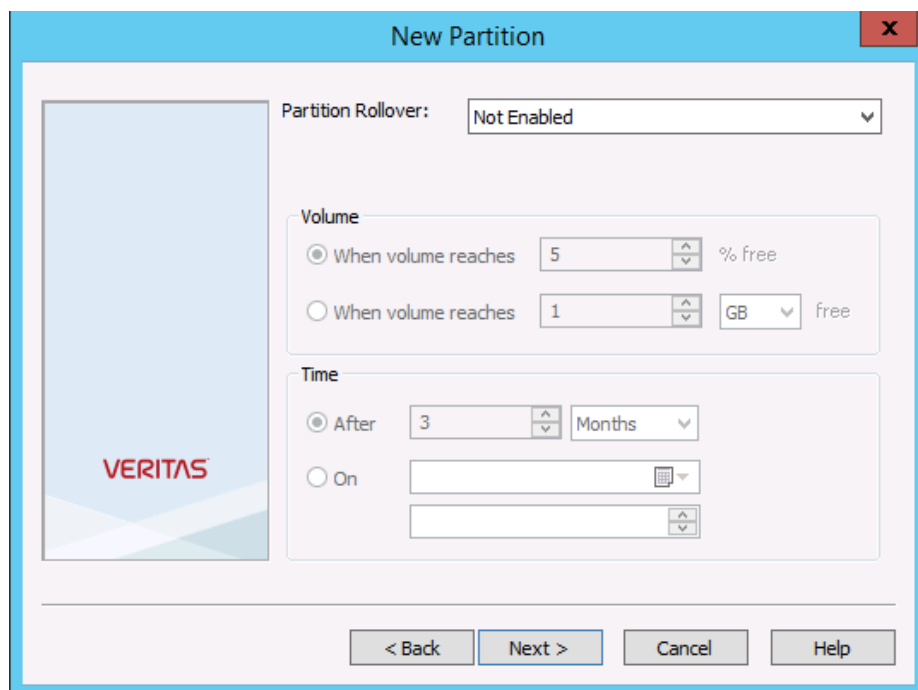


Important: If you do not uncheck this checkbox, EV sends data to HCP in a format that is incompatible with HCP's data deduplication feature.

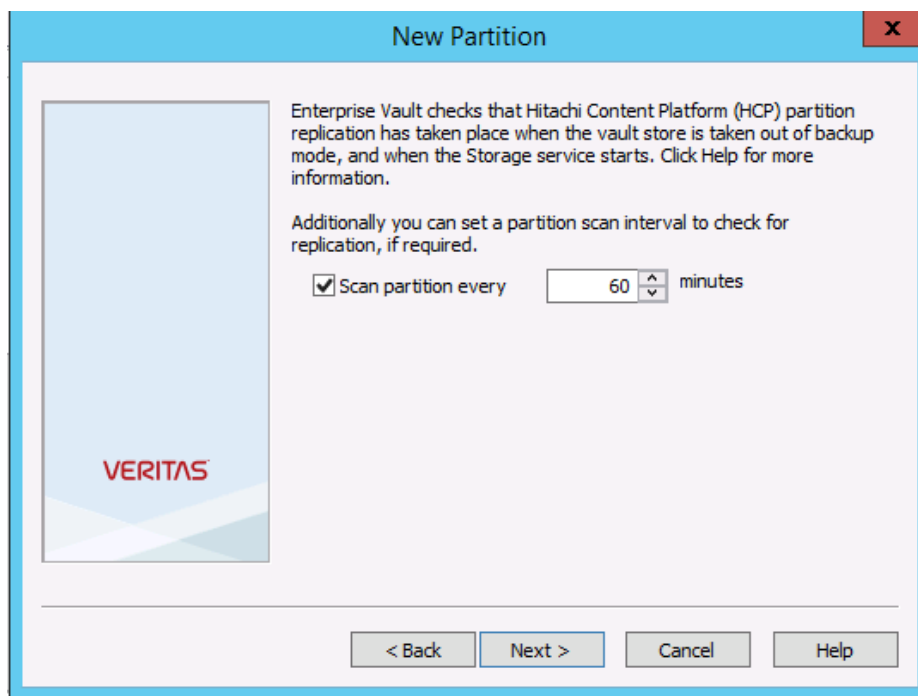
11. Uncheck the **Device performs data compression** checkbox to allow compression through EV.
12. Click on **Next** to display the **Connectivity Test** window.



13. Click on **Run Test** to ensure proper connectivity of all EV server components with HCP.
14. Click on **Next** to display the **Partition Rollover Configuration** window. By default, Partition Rollover is not enabled.

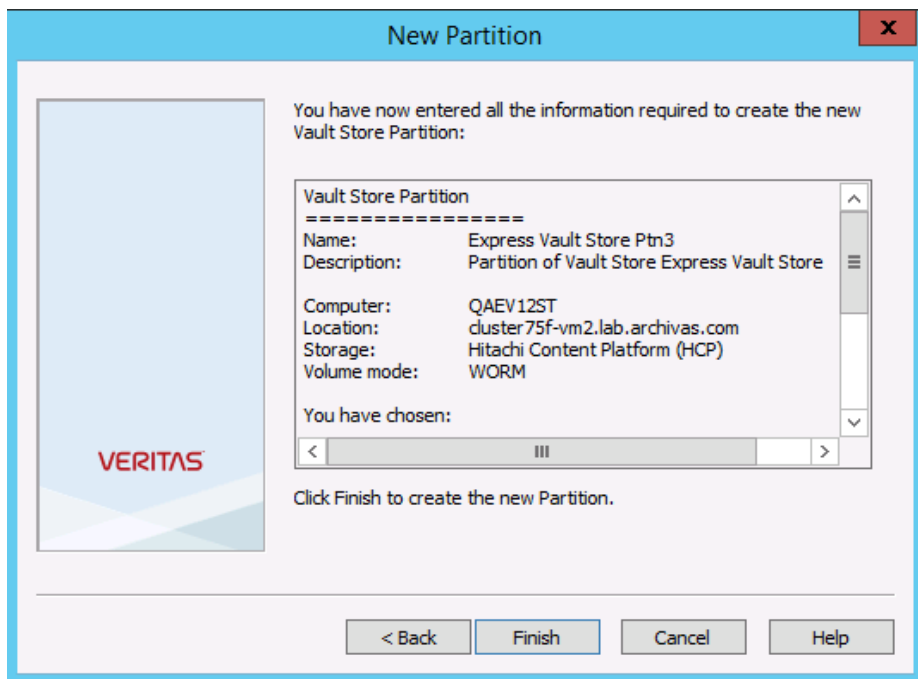


15. Click on **Next** to display the **Scan Frequency** window.



16. Adjust the scan frequency as necessary.

17. Click on **Next** to display the **Final Summary** window.



18. Review the summary of the new Vault Store Partition then click on **Finish** to create the new Partition. If any items in the summary are incorrect, click on **Back** to change a setting or **Cancel** to terminate the process.
19. After you complete the above procedures and return to the EV Administration Console, right-click on **Vault Store Group**.
20. Click on **Properties**.
21. Click on the **Sharing** tab.
22. Click on **Configure Sharing**.
23. In the dropdown menu next to **All Vault Stores configured as**, select **Share within Vault Store**.

Make sure that **Share within group** is **NOT** selected.

The default and recommended selection is **Share within Vault Store**.
24. Click on **Next**.
25. Click on **Finish**.

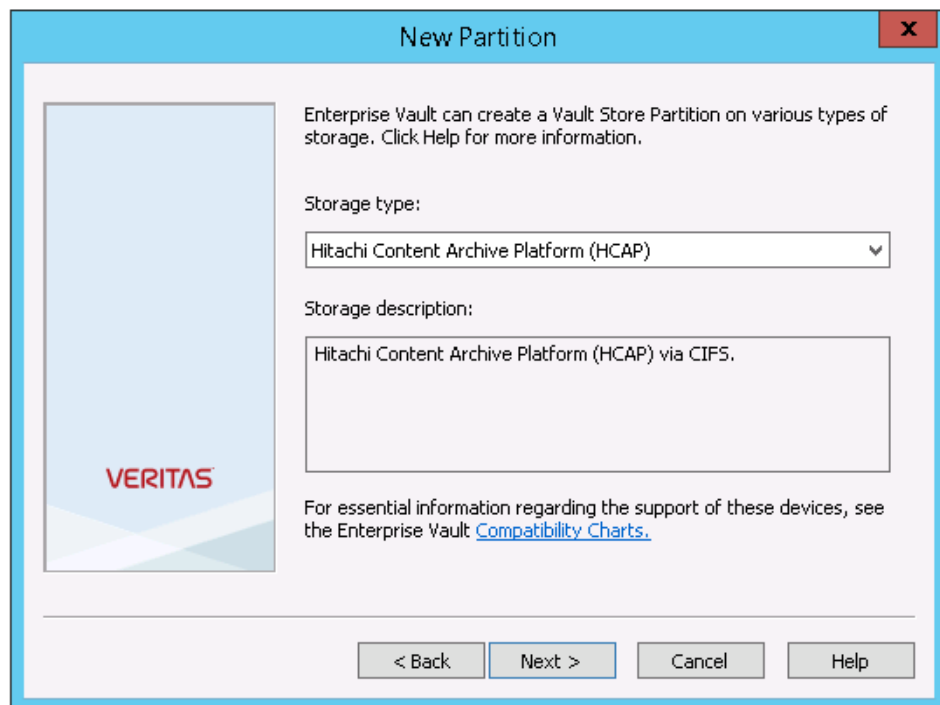
Creating an HCP Vault Store Partition in EV with CIFS

The HCP Vault Store Partition can be created within any existing Vault Store Group and Vault Store within EV. A new Vault Store Group and/or Vault Store may be created for HCP using standard EV techniques. You can also create HCP Vault Store Partitions in EV using the CIFS namespace access protocol.

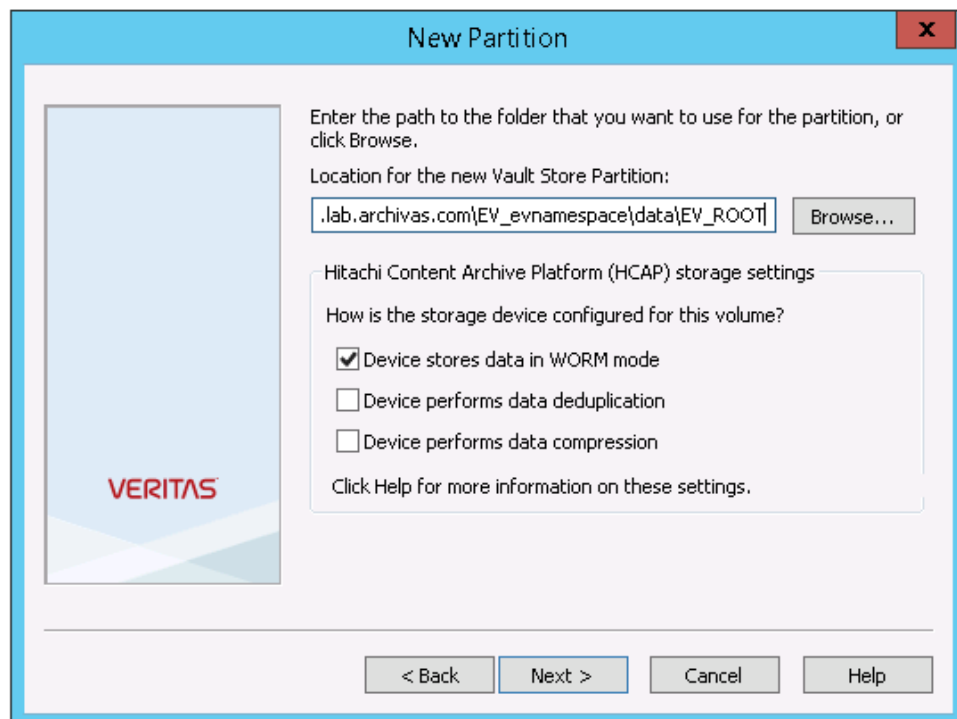
For the procedural steps on creating HCP Vault Store Partitions in EV without using the CIFS protocol, see [Creating an HCP Vault Store Partition in EV](#).

To create an HCP Vault Store Partition in EV using the CIFS protocol:

1. Right-click on the selected Vault Store and select **New Partition**. In the Veritas **New Partition** window, select **Hitachi Content Archive Platform (HCAP)** from the dropdown menu.



2. In the **Location for the new Vault Store Partition** field, enter the network address of the HCP namespace that you have configured for CIFS. At the end of the address, enter **\data** followed by the name of the top-level directory that you have created in [Configuring an HCP namespace for CIFS](#), as displayed in the following image.

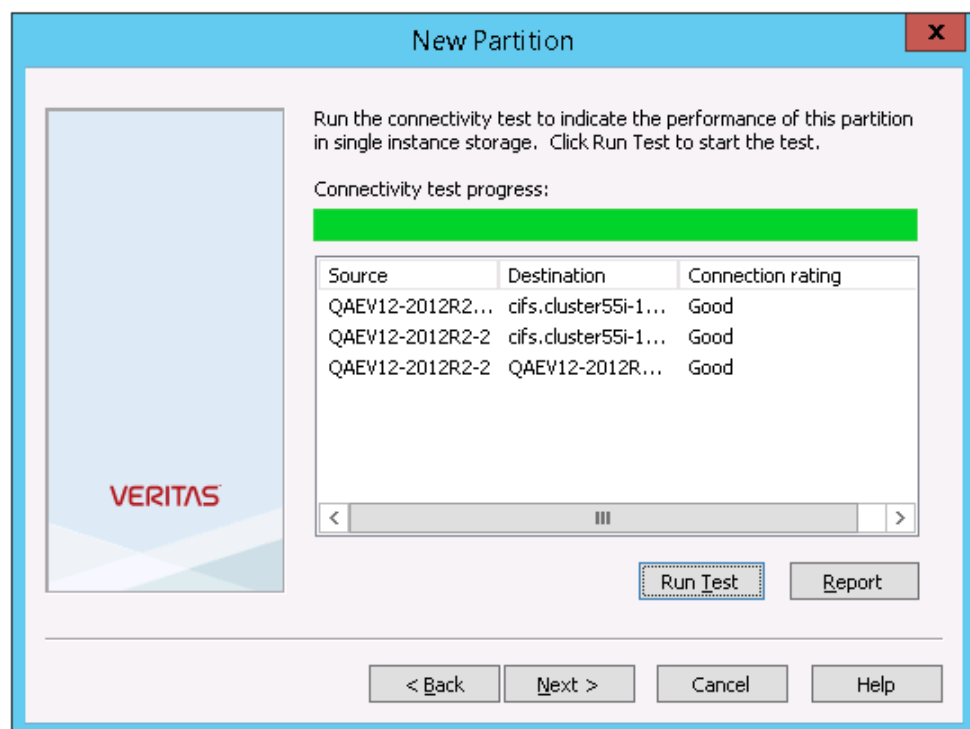


3. Optionally, check the **Device stores data in WORM mode** checkbox.
4. Uncheck the **Device performs data deduplication** checkbox.



Important: If you do not uncheck this checkbox, EV sends data to HCP in a format that is incompatible with HCP's data deduplication feature.

5. Uncheck the **Device performs data compression** checkbox to allow compression through EV.
6. Click on **Next** to display the **Connectivity Test** window.



7. Click on **Run Test** to ensure proper connectivity of all EV server components with HCP.
8. Click on **Next** to display the **Partition Rollover Configuration** window. By default, Partition Rollover is not enabled.

New Partition

Partition Rollover: Not Enabled

Volume

☒ When volume reaches 5 % free

☐ When volume reaches 1 GB free

Time

☒ After 3 Months

☐ On

VERITAS

< Back Next > Cancel Help

9. Click on **Next**.
10. Optionally, select **Create Vault Store Partition with security ACLs**.

New Partition

Enterprise Vault can create a Vault Store Partition with or without security ACLs. Click Help for more information.

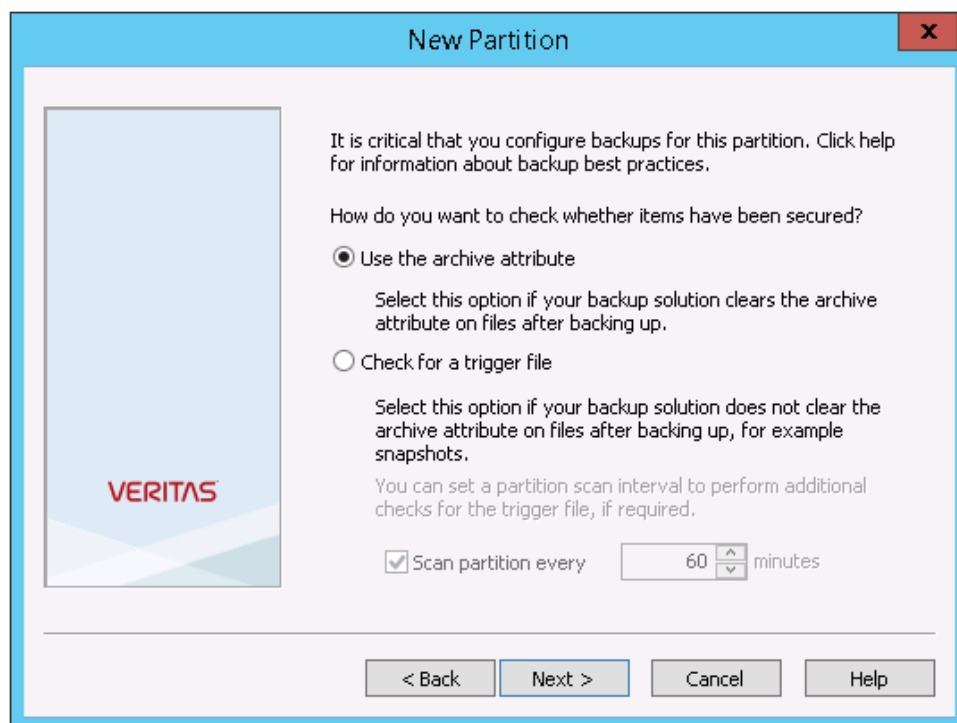
☒ Create Vault Store Partition with security ACLs

VERITAS

< Back Next > Cancel Help

11. Click on **Next**.

12. Select the method for checking whether items have been secured to the HCP Vault Store Partition.



The 'New Partition' dialog box features a blue title bar with a close button. On the left is a Veritas logo. The main area contains instructional text about backups and two radio button options for checking item security. The first option, 'Use the archive attribute', is selected. Below it, a checkbox for 'Scan partition every' is checked, with a spinner box set to '60' minutes. At the bottom are buttons for '< Back', 'Next >', 'Cancel', and 'Help'.

New Partition

It is critical that you configure backups for this partition. Click help for information about backup best practices.

How do you want to check whether items have been secured?

☒ Use the archive attribute

Select this option if your backup solution clears the archive attribute on files after backing up.

☐ Check for a trigger file

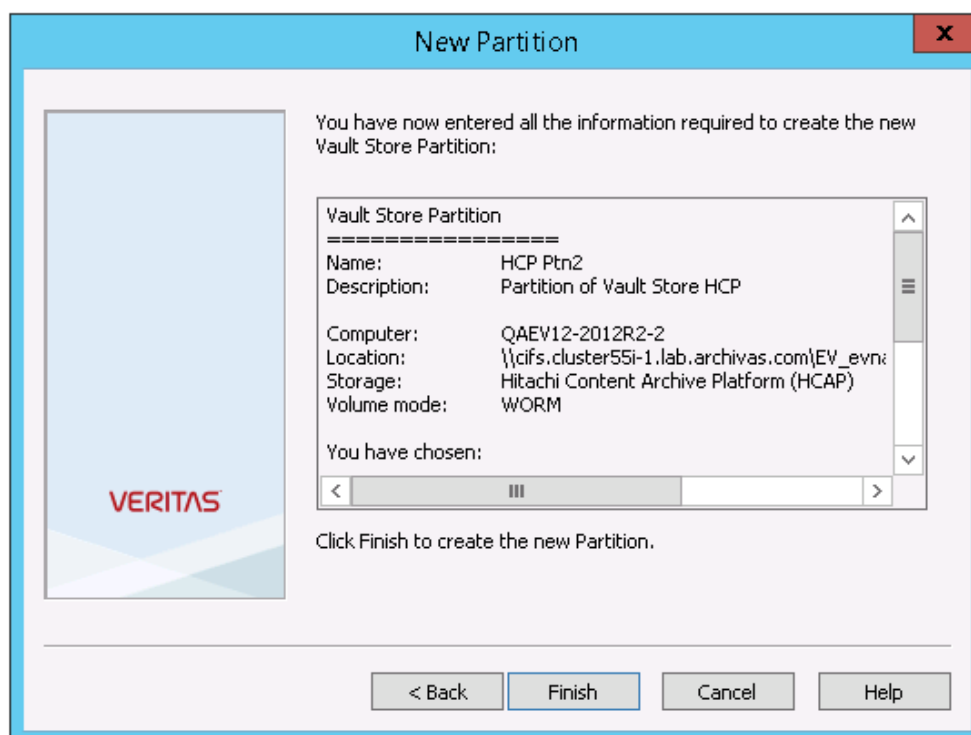
Select this option if your backup solution does not clear the archive attribute on files after backing up, for example snapshots.

You can set a partition scan interval to perform additional checks for the trigger file, if required.

☒ Scan partition every 60 minutes

< Back Next > Cancel Help

13. Click on **Next** to display the **Final Summary** window.



The 'New Partition' dialog box now shows a summary of the configuration. It includes a Veritas logo and a list of details for the 'Vault Store Partition'. The details include Name, Description, Computer, Location, Storage, and Volume mode. Below the list, it says 'You have chosen:' followed by a visual representation of the partition. At the bottom are buttons for '< Back', 'Finish', 'Cancel', and 'Help'.

New Partition

You have now entered all the information required to create the new Vault Store Partition:

Vault Store Partition
=====

Name: HCP Ptn2
Description: Partition of Vault Store HCP

Computer: QAEV12-2012R2-2
Location: \\dfs.cluster55i-1.lab.archivas.com\EV_evni
Storage: Hitachi Content Archive Platform (HCAP)
Volume mode: WORM

You have chosen:

< ||| >

Click Finish to create the new Partition.

< Back Finish Cancel Help

14. Review the summary of the new Vault Store Partition then click on **Finish** to create the new Partition. If any items in the summary are incorrect, click on **Back** to change a setting or **Cancel** to terminate the process.
15. After you complete the above procedures and return to the EV Administration Console, right-click on **Vault Store Group**.
16. Click on **Properties**.
17. Click on the **Sharing** tab.
18. Click on **Configure Sharing**.
19. In the dropdown menu next to **All Vault Stores configured as**, select **Share within Vault Store**.

Make sure that **Share within group** is **NOT** selected.

The default and recommended selection is **Share within Vault Store**.
20. Click on **Next**.
21. Click on **Finish**.

Best practices

This chapter provides some best practices to consider while installing, setting up, and configuring EV Streamer. This chapter also provides some information about Enterprise Vault Safety Copies.

- [Best practices](#)
- [About Enterprise Vault Safety Copies](#)

Best practices

Here are some best practices for installing, setting up, and configuring EV Streamer:

- During the Enterprise Vault installation and configuration, consider having storage queue, cache, indexes, and MSMQ on different dedicated physical drives rather than on the system drives.
- Increase the number of threads for the storage archive process to achieve a higher archival rate depending on the workload.
- Use two separate physical servers for EV and SQL Server.
- For SQL Server, allot separate disks for SQL installation, data, and logs. For more information on this, see [Enterprise Vault SQL best practices](#).
- Allot a minimum of 16 GB of RAM for the EV server.
- Follow the network bandwidth guidelines in the [Veritas Performance Guide](#).

About Enterprise Vault Safety Copies

Enterprise Vault can be configured to retain archived items until you back up the vault store partition that contains the items. During the time between archiving and removal, the original items are treated as safety copies by EV. After the vault store partition is backed up, EV removes the safety copies.

The removal of safety copies occurs when the storage service starts and when backup mode is cleared from the vault store. EV also creates shortcuts and placeholders at this time if EV is configured to do so. During the creation of each vault store, you can select from the following options to control how EV manages safety copies:

- **No, remove immediately after archiving:** All safety copies are removed immediately after the items have been archived.
- **Yes, in the original location:** EV keeps the original items until you back up the vault store partition that contains the items.
- **Yes, in the storage queue:** EV keeps safety copies in the storage queue until you back up the vault store partition that contains the items.

The optimal EV safety copies settings are situationally dependent, but selecting **Yes, in the original location** is typically the safest option.

Selecting **Yes, in the storage queue** immediately frees up space on the source but also runs the risk of possible third-party interference.

Troubleshooting

This chapter provides some information for troubleshooting EV Streamer.

- [Access to HCP failed](#)
- [Incorrect parameter](#)

Troubleshooting

Access to HCP failed

An access failure leads to a connection test failure. Access Denied to HCP occurs under the following conditions:

- The tenant name is incorrect (for HCP 7.x or later)
- The namespace name is incorrect (for HCP 7.x or later)
- The user name is incorrect or does not exist
- The password is incorrect

Check the Enterprise Vault event log for more information.

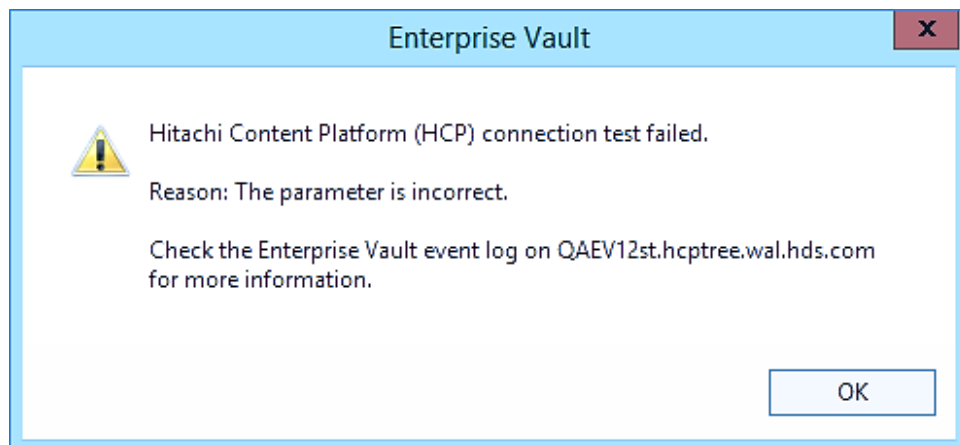
Incorrect parameter

An incorrect parameter leads to a connection test failure. Parameter failures occur under the following conditions:

- The value for remote safety copies (other than zero) is specified with no replica
- The Primary Cluster DNS Name is incorrect

Check the Enterprise Vault event log for more information.

When the parameter is incorrect, Enterprise Vault alerts you that the HCP connection test failed.



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