

StorageGRID[®] 9.0

NetApp StorageGRID Adapter for Symantec Enterprise Vault Integration Guide

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NetApp StorageGRID Adapter for Symantec Enterprise Vault

Introduction

Intended Audience

This guide is intended for Symantec Enterprise Vault administrators responsible for installing or configuring the NetApp StorageGRID Adapter for Symantec Enterprise Vault (StorageGRID EV Adapter). If you are using this guide, it is assumed that you have a good understanding of the StorageGRID system as described in the *Grid Primer* and *Administrator Guide* as well as an understanding of Symantec Enterprise Vault.

What is the StorageGRID EV Adapter

The StorageGRID EV Adapter enables the storage of Symantec Enterprise Vault archive objects to the StorageGRID system. To connect to the StorageGRID system, the StorageGRID EV Adapter implements the Enterprise Vault Storage Streamer API.

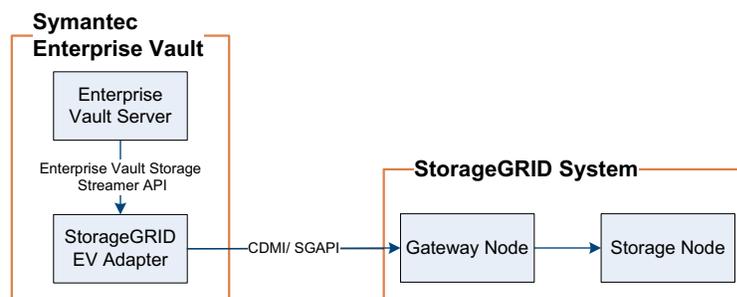


Figure 1: StorageGRID EV Adapter Integration

The StorageGRID EV Adapter is a 32-bit DLL that houses a COM server. The Enterprise Vault Storage Service loads this COM server and communicates with it using the Enterprise Vault Storage Streamer API.

Because the StorageGRID EV Adapter works with the data stream, it can transparently work with file system data, as well as application data; for example, Microsoft Exchange, Lotus Domino, and Powerpoint.

CDMI and SGAPI

Communication between Symantec Enterprise Vault — via the StorageGRID EV Adapter — and the StorageGRID system utilizes both CDMI and SGAPI.

Data reads use CDMI. All other calls use SGAPI.

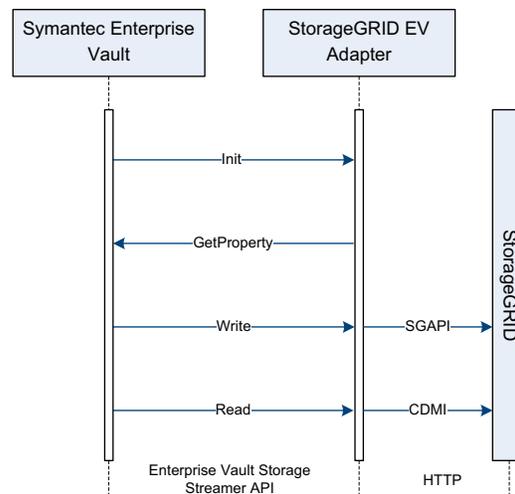


Figure 2: StorageGRID EV Adapter Workflow

Integration Procedures

Prerequisites

- Symantec Enterprise Vault server installed and configured
For supported versions, see the Interoperability Matrix Tool (IMT).

Install the StorageGRID EV Adapter

To acquire the latest version of the StorageGRID EV Adapter, see the NetApp Support Site (<http://support.netapp.com>).

1. Copy the StorageGRID EV Adapter installer (Install_NetAppStorageGRIDEVAdapter_<version>.exe) to the Symantec Enterprise Vault server.
2. Double-click the Storage StorageGRID EV Adapter installer.
3. Follow prompts in the setup wizard.
4. Click **Finish**.

Create a Vault Store Partition

Prerequisites

- Internet protocol (IP) address or hostnames of the Gateway Nodes (at least two)
- Symantec Enterprise Vault server installed and configured, including:
 - Index Server Groups
 - Vault Store Groups
 - Vault Store
 - Volume Policy/ Rule
 - Retention Policy
 - File Server Volume
 - Folder and index locations

In order to integrate the StorageGRID system with Symantec Enterprise vault via the StorageGRID EV Adapter, you must create a Vault Store partition with a storage type of NetApp StorageGRID (HTTP).

While it is possible to use a single IP address or hostname, using two or more provides redundancy. For example, in a Data Center + Disaster Recovery grid, select a Gateway Node that includes a CLB grid service at

the Data Center site and one at the Disaster Recovery site. For more information, see your grid administrator.

Procedure

Any settings not mentioned below can be kept as default.

1. From Symantec Enterprise Vault's Vault Administration Console (VAC), create a new partition.
2. In the New Partition wizard, follow prompts and update settings as needed. The following configuration must be used:
 - a. When creating a name for the new partition, select **Create this new partition ► Open** and then click **Next**.

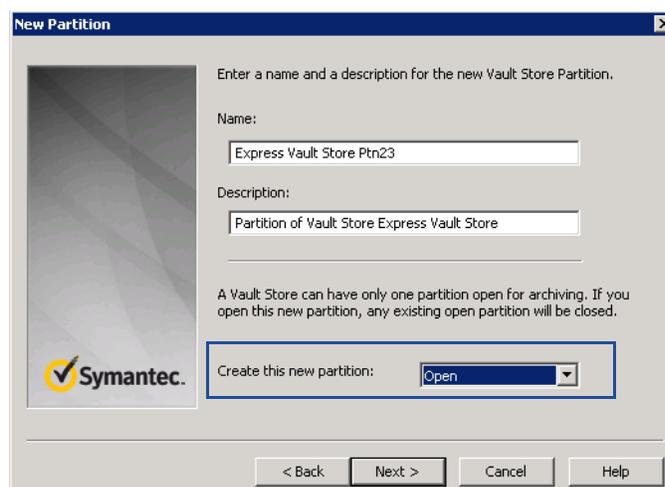


Figure 3: Partition Set to Open

- b. For **Storage type**, select NetApp StorageGRID (HTTP) and click **Next**.



Figure 4: Storage Type

- c. When configuring connection settings:
 - Select Gateway Node Hostname(s) or IP(s) and click **Modify**. In the Modify Settings window type the Gateway Node IP addresses or hostnames. Click **OK**.

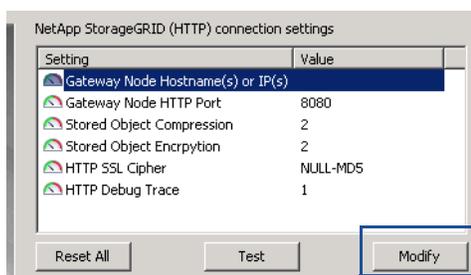


Figure 5: Modify IP Addresses and Ports

For redundancy, use two or more IP addresses or host-names. For example, if A B C D is the Gateway Node setting, the Enterprise Vault Storage Streamer tries first to connect to A. If there is a failure of A, the streamer connects to B until B fails or the service is restarted. The same behavior occurs for B to C and C to D. When the Symantec Enterprise Vault server is restarted, the streamer again attempts connecting to A. Failover between IP addresses in the Gateway Node setting is automatic, but failback is manual in order to avoid TCP delays when retrying down IPs.

- Click **Next**.

The system automatically test the connection when **Next** is clicked. If the connection fails, the New Partition wizard displays an error message. You must resolve this issue before continuing.

- d. When configuring storage settings:

- If a minimum retention period is required, select **Store data in Protected mode**.
- If compression is set for the StorageGRID system, select **Device performs data compression**. This setting must be the same as the StorageGRID system.

For current StorageGRID settings, go to **Grid Management ► Grid Configuration ► Overview ► Main**. For more information, see the *Administrator Guide*.

- Click **Next**.

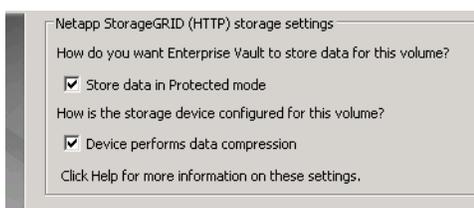


Figure 6: NetApp StorageGRID (HTTP) Storage Settings

- e. After configuring connection and storage settings, test your configuration settings. Click **Test**.
 - When tests are complete, click **Next**.
- f. Select **Partition Rollover ► Not Enabled** and then click **Next**.

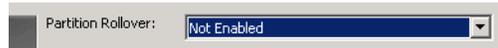


Figure 7: Partition Rollover

- g. Clear **Scan partition every <time>** and click **Next**.

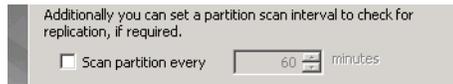


Figure 8: Scan Partition

- h. Click **Finish**.

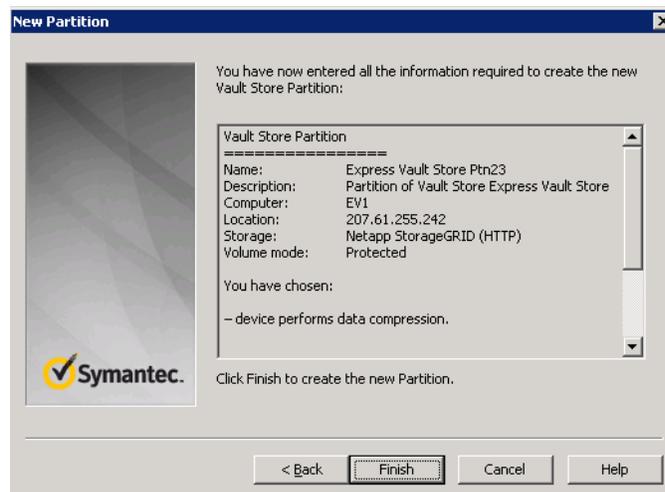


Figure 9: Finish New Partition

- i. Click **Close**.
A new partition is created and configured.

NOTE If errors occur, see the Windows Event Log for Symantec Enterprise Vault error messages.