Description

This document describes the HP StorageWorks Command View EVA 9.2.1 release for array-based management and server-based management. Only HP Command View EVA is at Version 9.2.1. All other components of the software suite remain at Version 9.2.

IMPORTANT:

See the second edition of the *HP StorageWorks Command View EVA 9.2 Release Notes* for important information, updates, and fixes for HP Command View EVA 9.2.

All HP Command View EVA 9.2 documents and the online help are relevant to HP Command View EVA 9.2.1.

This document contains the latest information for HP Command View EVA.

To determine which versions of HP StorageWorks EVA controller software support HP Command View EVA 9.2.1, see Table 2.0, “HP Command View EVA interoperability support,” in the *HP StorageWorks Enterprise Virtual Array Compatibility Reference*.

For more information about HP EVA XCS, see the release notes for the specific XCS version.

Update recommendation Users should upgrade to HP Command View EVA 9.2.1.

Enhancements

HP Command View EVA 9.2.1 contains the following enhancements:

- **I/O module and Enclosure Monitoring Unit (EMU) status**—The status of the I/O module and EMU appears in the HP Command View EVA navigation pane.

- **Disk enclosure status**—The total number of disk enclosures and the number of disk enclosures that are in the operational state appear on the Status Summary pane of both the Initialized Storage System Properties page and Uninitialized Storage System Properties page for all arrays.

- **Management logical disk backup**—During the upgrade from XCS 0900xxxx to XCS 095xxxx and later, the original management logical disk is backed up.

Fixes

HP Command View EVA 9.2.1 includes the following fixes:

- **Disk drives reporting Single Port on Fibre (SPOF) condition**—When disk drives report an SPOF condition, an Attention icon appears in the HP Command View EVA navigation pane.

- **Communication management**—HP Command View EVA can better manage multiple redundant Fibre Channel communication paths to the EVA to minimize SCSI communication errors.

- **Presentation status of virtual disks**—The presentation status of virtual disks is displayed correctly in EVA layered applications.

- Deleted presentations of Data Protector host volumes are correctly accounted for, which allows SMI-S restore operations to complete successfully.
• After unpresenting the mirrorclone in HP Replication Solutions Manager, the unpresentation information is correctly accounted for, which enables resynchronization on the mirrorclone to complete successfully.

Prerequisites

You must have HP Command View EVA 9.2 installed and configured before you can install HP Command View EVA 9.2.1.

Installation instructions

**NOTE:**

Do not cancel the HP Command View EVA 9.2.1 installation while it is in progress.

HP Command View EVA can only be installed on English and Japanese versions of the supported operating systems. This applies to all versions of HP Command View EVA. See the *HP StorageWorks Enterprise Virtual Array Compatibility Reference* for a list of the supported operating systems.

Installing HP Command View EVA 9.2.1 with other applications or libraries

**IMPORTANT:**

• If HP Command View for Tape Libraries 2.4 is installed, you must remove it before installing HP Command View EVA 9.2.1.

• If HP Command View for Tape Libraries 2.5 with HP StorageWorks SMI-S Tape Provider is installed, close the applications and stop the services before installing HP Command View EVA 9.2.1.

• HP recommends that you install HP Command View for Tape Libraries 2.5 before installing HP Replication Solutions Manager to avoid PostgreSQL error messages.

Installing HP Command View EVA with HP Replication Solutions Manager

1. Stop the HP RSM Server and HP RSM Database services.

2. Install HP Command View EVA 9.2.1.

3. If HP Replication Solutions Manager 5.1 is installed before or after HP Command View EVA 9.2.1 is installed or upgraded, manually copy the following Storage Abstraction Layer (SAL) files from the `<SMI-S install dir>\SMI-S\EVAProvider\lib\` folder:

   • SALCommon.jar
   • SALEva.jar
   • SALhprsm.jar

   Paste the SAL files to the following HP Replication Solutions Manager folders:

   • `\RSM\JBoss\server\default\lib`
   • `\RSM\JBoss\server\default\deploy\rsm-client.war\lib`
   • `\RSM\JBoss\server\default\deploy\rsm-client.war\signed`
4. Start the HP RSM Server and HP RSM Database services.

5. Launch the HP Replication Solutions Manager application and do the following:
   a. Select Tools > Configure > EVA management > Configure SMIS and add the SMI-S credentials.
   b. Click the Global Refresh icon.