HPE 3PAR Storage Replication Adapter
6.5.6 for VMware® vCenter Site Recovery Manager™ Release Notes
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HPE 3PAR SRA 6.5.6 Release Information

Features........................................................................................................................................4
Enhancements..............................................................................................................................4
Fixes..............................................................................................................................................4
Installation and System requirements...........................................................................................5
Upgrade........................................................................................................................................6
Limitations.....................................................................................................................................6
Known Issues................................................................................................................................6
Related information.......................................................................................................................6
Documentation feedback..............................................................................................................6
Features

SRA supports the following features:

- VMware SRM features for the following HPE 3PAR StoreServ Storage system configurations
  - Synchronous, Asynchronous Periodic and Asynchronous Streaming replication modes.
  - Synchronous Long Distance Configuration (SLD)
  - 3 Data Center with Peer Persistence (3DC-PP) Configuration
- VMware SRM Stretched Storage feature with synchronous replication mode
- Virtual volume set (vvset) and host set features of HPE 3PAR StoreServ Storage system for SRM features

For more information, refer HPE 3PAR Storage Replication Adapter 6.5.6 for VMware vCenter Site Recovery Manager User Guide, available at Hewlett Packard Enterprise Support Center.

Enhancements

The following enhancements have been made in the current release:

- Support for matched set export type, for exporting the devices during SRM Recovery operation. This support can be used by enabling the TPDSrm command-line option.
- Support for 2-to-1 remote copy configuration in a setup of SRM with stretched storage.
- SRA 6.5.6 supports additional filters, such as wildcard (*) and multiple group searches, along with the existing support of discovering Remote copy groups with names starting with a specific prefix.

For more information, refer HPE 3PAR Storage Replication Adapter 6.5.6 for VMware vCenter Site Recovery Manager User Guide, available at Hewlett Packard Enterprise Support Center.

Fixes

The following issues are fixed in HPE 3PAR Storage Replication Adapter 6.5.6.
• As part of stretched storage configuration, user is required to export both primary and secondary volumes to both protected and recovery site hosts.

If the volumes are exported to some specific host set configuration, then SRA fails to understand the export, and export the volumes again during migration. This behavior creates multiple export issues for the volumes.

• If volumes are exported using the **matched set** or the **port presents** export type provided by HPE 3PAR, SRA v6.5.1 and later versions fails to unexport the LUNs causing the failover operation to fail.

• The results of the **Command:startrcopygroup** on the secondary array which is initiated during the SRM reprotect operation, are already logged into the system. These logs mislead to indicate an error. The logging has been removed now.

## Installation and System requirements

HPE 3PAR SRA 6.5.6 provides several configuration steps with **TpdSrm.exe** command-line utility under the installed directory.

See, product documentation for complete information on installation and system requirements.

### Pre-requisites:

1. VMware vCenter Site Recovery Manager is required, prior to SRA installation. For the supported VMware SRM versions, refer **HPE 3PAR SRA Support Matrix**.


3. All LUNs used by VMware Virtual Machines, to form a protection group have to be part of a single HPE 3PAR Remote Copy group. Refer, **3PAR Remote Copy User’s Guide** for Remote Copy group setup and configuration.

4. Remote Copy license on HPE 3PAR Storage Systems.

5. Virtual Copy license on HPE 3PAR Storage Systems.

6. Peer persistence license on HPE 3PAR Storage Systems to support Stretched Storage.

7. In SLD configuration, where A is the Primary System, C is the Asynchronous Periodic Backup System, B is the Synchronous Backup System and, SRM/SRA is configured between 3PAR StoreServ Storage systems A and C.

8. In 3DCPP configuration, where A is the Primary System, C is the Asynchronous Periodic Backup System, and B is the Synchronous Backup System and, SRM/SRA is configured between 3PAR StoreServ Storage systems A and C or B and C.

### Platform Requirement:

See, **Platform support of VMware vCenter Site Recovery Manager**.

### Other Requirement:

See, VMware documentation for VMware vCenter Site Recovery Manager.

For the supported 3PAR OS versions, 3PAR array models and VMware SRM versions, refer, **3PAR SRA support matrix**.

**IMPORTANT:** This package can only be installed under the existing VMware vCenter Site Recovery Manager installed path. No alternative installation location is given as an option.
NOTE: Current version of HPE 3PAR Storage Replication Adapter for VMware vCenter SRM is a 64-bit application.

Upgrade

HPE 3PAR SRA 6.5.6 does not support direct upgrade. Perform following steps to reinstall SRA

If earlier version of SRA is already installed:

1. Run the following command before uninstalling the product.
   
   TPDSrm.exe removecert — To delete the accepted HPE 3PAR StoreServ certificate from the cache memory.

2. Uninstall the earlier installed HPE 3PAR SRA version.

3. Install HPE 3PAR SRA 6.5.6 version and accept the new HPE 3PAR StoreServ certificates using TPDSrm.exe CLI option.

Limitations

For more information, refer HPE 3PAR Storage Replication Adapter 6.5.6 for VMware vCenter Site Recovery Manager User Guide, available at Hewlett Packard Enterprise Support Center.

Known Issues

SRM might time out, if multiple test failover or recovery operations are run simultaneously. Rerun the operation if the timed out issue occurs. Alternatively, if the operations are run sequentially, the timed out issue can be avoided.

For more information, refer HPE 3PAR Storage Replication Adapter 6.5.6 for VMware vCenter Site Recovery Manager User Guide, available at Hewlett Packard Enterprise Support Center.

Related information

The following documents are available at Hewlett Packard Enterprise Support Center.

- HPE 3PAR InForm OS CLI Administrator’s Manual
- HPE 3PAR Remote Copy User’s Guide
- HPE 3PAR Storage Replication Adapter 6.5.6 for VMware vCenter Site Recovery Manager User Guide

Adapter Vendor Information

For adapter vendor information, refer HPE 3PAR SRA Software for VMware vCenter SRM

Documentation feedback

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