HPE 3PAR Storage Replication Adapter
6.5.4 for VMware® vCenter Site Recovery Manager™ Release Notes
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HPE 3PAR SRA 6.5.4 Release Information

This document contains the following release information:

- **Features**
- **Enhancements**
- **Fixes**
- **Installation and System requirements**
- **Upgrade**
- **Limitations**
- **Known Issues**
- **Related information**
- **Documentation feedback**

### 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 to the [HPE 3PAR Storage Replication Adapter 6.5.4 for VMware vCenter Site Recovery Manager User Guide](https://hpe.com/support), available at Hewlett Packard Enterprise Support Center.

### Enhancements

The following enhancements have been made in the current release:

SRA behavior of unexporting the devices during SRM Recovery operation can be enabled or disabled using the command line option.

For more information, refer to the [HPE 3PAR Storage Replication Adapter 6.5.4 for VMware vCenter Site Recovery Manager User Guide](https://hpe.com/support), available at Hewlett Packard Enterprise Support Center.

### Fixes

The following issues are fixed in HPE 3PAR Storage Replication Adapter 6.5.4:
• SRM Test operation fails intermittently during the snapshot creation for the Remote Copy group configured with asynchronous streaming replication mode.

• When you execute **Recovery > Planned Migration** with vMotion in SRM, the recovery operation fails due to **Error**: Operation timed out: 300 seconds


### Installation and System requirements

HPE 3PAR SRA 6.5.4 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](https://www.hpe.com/us/en/solutions/storage/3par/storage-replication-adapter.html).


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.

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**Upgrade**

HPE 3PAR SRA 6.5.4 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 6.5.4 version and accept the new HPE 3PAR Storeserv certificates using TPDSrm.exe CLI option.

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**Limitations**

For more information, refer HPE 3PAR Storage Replication Adapter 6.5.4 for VMware vCenter Site Recovery Manager User Guide, available at Hewlett Packard Enterprise Support Center.

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**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 6.5.4 for VMware vCenter Site Recovery Manager User Guide, available at Hewlett Packard Enterprise Support Center.

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**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 6.5.4 for VMware vCenter Site Recovery Manager User Guide

**Adapter Vendor Information**

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

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