

NetApp® FAS/V-Series Storage Replication Adapter 2.0.1

For use with VMware® vCenter Site Recovery Manager

Release Notes

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Storage Replication Adapter new features

Starting with Storage Replication Adapter 2.0.1, VMware datastores and RDM devices that are replicated in the same SnapMirror relationship are reported to the Site Recovery Manager as a Site Recovery Manager consistency group. This ensures that the devices are contained in the same protection group to fail back and fail over together.

Note: The Site Recovery Manager consistency group does not guarantee application consistency between different virtual machines sharing the same SnapMirror replication relationship.

Storage Replication Adapter 2.0.1 continues to support all the workflows in Site Recovery Manager 5.0 and Site Recovery Manager 5.1, such as the discovery of arrays and replicated devices, test recovery, recovery (planned migration and disaster recovery), and reprotect capability. Volume filtering and igroup creation are also supported.

For more information about Storage Replication Adapter, see the *NetApp FAS/V-Series Storage Replication Adapter Installation and Administration Guide*.

Related information

NetApp Support Site: support.netapp.com

System requirements for using Storage Replication Adapter

Before you run Storage Replication Adapter, you must meet certain Data ONTAP and Site Recovery Manager requirements.

You must ensure that the following system requirements are met:

- For 32-bit Storage Replication Adapter, the Site Recovery Manager version is 5.0
- For 64-bit Storage Replication Adapter, the Site Recovery Manager version is 5.1
- The storage system is running Data ONTAP 7.2.4 or later

When configuring vFiler units as storage arrays, you must ensure that your storage system is running Data ONTAP 7.3.2 or later.

For information about the NetApp platforms that are supported in the VMware environment, see the NetApp-VMware platform compatibility matrix on the VMware site.

- FlexClone license is enabled to test recovery
- SnapMirror license is enabled on the storage system
- In a NAS environment, NFS services are running
- In a SAN environment, iSCSI, FC, or both services are running
- Site Recovery Manager 5.0 or Site Recovery Manager 5.1 is installed on Windows
Site Recovery Manager supports VMFS (iSCSI and FC), RDM (iSCSI and FC), and NFS storage environments.
- Storage Replication Adapter 2.0.1 is installed on the Site Recovery Manager server at the protected and recovery sites
- Perl 5.8.8 is installed on the system on which Site Recovery Manager is installed

Note: If the Site Recovery Manager installation does not include Perl 5.8.8, you can install Perl separately with the default configuration. For more information about downloading Perl, see the Perl download page.

- To use secureHTTP, SecureAdmin is set up and SSL or SSH is running
For more information about installing SSL on Perl, see the NetApp KB article 54012 on the NetApp Support Site.

By default, Storage Replication Adapter calls the Data ONTAP API over HTTP.

Note: SecureAdmin does not require a license.

- The 80 or 443 port corresponding to the HTTP or SSL protocol is open on the firewall, which is between the Site Recovery Manager server and Data ONTAP

Note: For a detailed list of the supported software version and storage systems, see the Interoperability Matrix.

Related information

Perl script download page: www.perl.com/download.csp

NetApp Support Site: support.netapp.com

How to enable SSL communication between VMware vCenter Site Recovery Manager and NetApp FAS Storage Arrays: kb.netapp.com/support/index?page=content&id=1012531

NetApp Interoperability Matrix: support.netapp.com/matrix

Features not supported in Storage Replication Adapter

Some features and functions are not supported in Storage Replication Adapter.

- Failover of exports or LUNs that have multiple replication destinations
- Failover of exports or LUNs that have cascading SnapMirror relationships
- Test recovery operation on traditional volumes
Because FlexClone technology is not available for traditional volumes, Storage Replication Adapter does not support test recovery operation on traditional volumes.
- Discovery of exports that are exported as read-only by using `ro` or as read/write to all hosts from the `rw` field
In a NAS environment, exports from the storage array must have values in the `rw` field of export permissions.
- Recovery from a specific quiesced or non-quiesced SMVI Snapshot copy
Storage Replication Adapter recovers storage only from the last replicated SnapMirror Snapshot copy.
- SyncMirror replication between Site Recovery Manager sites (as in a MetroCluster configuration)

Note: A system in a MetroCluster configuration might be either the source or destination of a SnapMirror relationship; however, Site Recovery Manager does not support the management of SyncMirror failover between nodes in a MetroCluster configuration.

For specific information about recommended configurations and best practices when using different replication modes, see the *Data ONTAP Data Protection Online Backup and Recovery Guide for 7-Mode*.

Related information

NetApp Support Site: support.netapp.com

Storage Replication Adapter known issues and limitations

You must be aware of the known issues, limitations, and workarounds for Storage Replication Adapter so that you can use the product more effectively.

Reverse and resynchronize replication fails

If the default setting for `snap autodelete` is modified and the SnapMirror Snapshot copies are deleted, then Storage Replication Adapter cannot reverse and resynchronize the replication from the affected volume. The default setting `try` prevents Data ONTAP from deleting the SnapMirror Snapshot copies.

Workaround: Retain the default setting for `snap autodelete`.

Test recovery and failover operations fail

If the network adapters configured for IPv6 exist on any of the hosts or storage arrays in the Site Recovery Manager configuration, then Storage Replication Adapter fails to perform the test recovery and failover operations.

Test-failover operation fails

If a qtree name contains a hyphen (-), the test-failover operation fails while running the qtree SnapMirror operation.

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You can also contact us in the following ways:

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