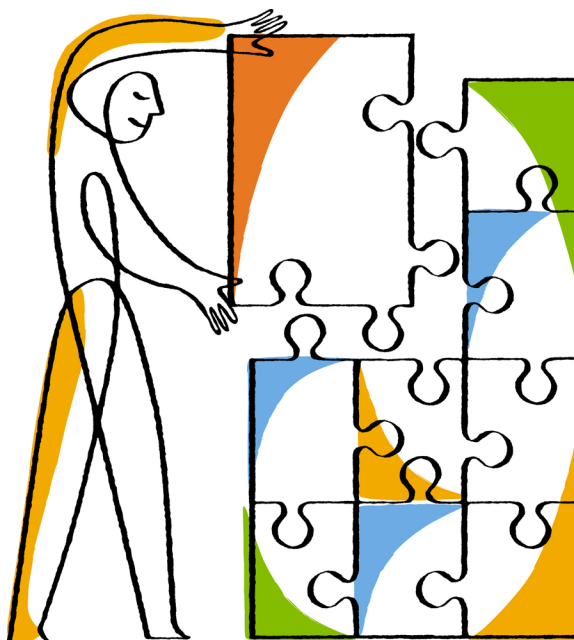




NetApp® FAS/V-Series Storage Replication Adapter 2.1

For VMware® vCenter Site Recovery Manager

Release Notes



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Storage Replication Adapter new features

Storage Replication Adapter 2.1 for Data ONTAP operating in 7-Mode continues to support all the workflows in Site Recovery Manager, such as the discovery of arrays and replicated devices, test recovery, recovery (planned migration and disaster recovery), reprotect capability, and consistency group. Volume filtering and igroup creation are also supported.

- IPv6 addressing
This feature provides expanded routing and addressing capabilities.
- Datastore mounting using host name
This feature enables you to mount datastores by host name and FQDN instead of the IPv6 address. Datastore mounting using host name is similar to IPv4.

For more information about Storage Replication Adapter, see the *Storage Replication Adapter Installation and Administration Guide* on the NetApp Support Site.

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 requirements related to Data ONTAP and Site Recovery Manager.

- Site Recovery Manager must be installed on Windows.
Site Recovery Manager supports VMFS (iSCSI and FC), RDM (iSCSI and FC), and NFS storage environments.
- Your storage system must be running Data ONTAP 7.2.4 or later.
For configuring vFiler units as storage arrays, your storage system must be running Data ONTAP 7.3.2 or later.
- FlexClone license can be enabled.
The license is optional because a test failover operation can be performed when the option `replication_disruptive_test_failover` is set to on in the `ontap_config` file.
- SnapMirror license must be enabled on the storage system.
- In a NAS environment, if the `nfs.ipv6.enable` option is set to on, then NFS services must be restarted.
- In a SAN environment, iSCSI, FC, or both the services must be running.
- Storage Replication Adapter must be installed on the Site Recovery Manager server at the protected and recovery sites.
- Perl 5.14.2 must be installed on the system on which Site Recovery Manager is installed.
Note: If the Site Recovery Manager installation does not include the required Perl version, you can install Perl separately with the default configuration. For more information about downloading Perl, see the Perl download page.
- To use secureHTTP, SecureAdmin must be set up and SSL or SSH must be running.
For more information about installing SSL on Perl, see KB article 1012531.
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 must be open on the firewall.
The port is between the Site Recovery Manager server and the storage system running Data ONTAP.

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

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

Related information

VMware Interoperability Matrix: www.vmware.com/resources/compatibility/search.php?deviceCategory=srax

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=home

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 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.
- 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*.

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`.

Where to find more information

You can access Technical Support and documentation for all NetApp products on the NetApp Support Site at support.netapp.com. In addition to product documentation, NetApp provides other product information, such as technical reports and white papers.

Viewing product bugs using Bugs Online

NetApp provides an online tool that lets you search for the most current information about a known bug. You can also use this tool, which is available on the NetApp Support Site, to get a list of current or fixed bugs for a particular product, and search for information by bug number, keyword, or software product.

About this task

You can also set Bugs Online to automatically display all bugs of interest to you.

Steps

1. Access Bugs Online at <http://support.netapp.com/NOW/cgi-bin/bol>
2. Search for the bug in one of the following ways:
 - Enter the bug number.
 - Enter keywords related to the bug.
 - From the list in the Bug Type(s) field or the Product Type(s) field, select a software product. Some products are listed in one field and some in the other field. Be sure to check both to find the product you want.
3. To display all bugs of interest to you, use the New Bug Alerts Profiler at the bottom of the Bugs Online page to set bug searching criteria that matches your requirements.

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You can also contact us in the following ways:

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