



Configure Storage Replication Adapter for disaster recovery

VSC, VASA Provider, and SRA 9.7

NetApp
March 21, 2024

This PDF was generated from <https://docs.netapp.com/us-en/vsc-vasa-provider-sra-97/deploy/task-configure-storage-replication-adapter-for-san-environment.html> on March 21, 2024. Always check docs.netapp.com for the latest.

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Configure Storage Replication Adapter for disaster recovery

If you want to configure your vCenter Server for disaster recovery, you must enable Storage Replication Adapter (SRA) after you deploy the virtual appliance for Virtual Storage Console (VSC), VASA Provider, and Storage Replication Adapter (SRA). The deployment of the virtual appliance installs VSC by default. You must enable SRA for your vCenter Server after the deployment of the virtual appliance.

Related information

[Enable Storage Replication Adapter](#)

Configure Storage Replication Adapter for SAN environment

You must set up the storage systems before running Storage Replication Adapter (SRA) for Site Recovery Manager (SRM).

Before you begin

You must have installed the following programs on the protected site and the recovery site:

- SRM

Documentation about installing SRM is on the VMware site.

[VMware Site Recovery Manager Documentation](#)

- SRA

The adapter is installed either on SRM.

Steps

1. Verify that the primary ESXi hosts are connected to the LUNs in the primary storage system on the protected site.
2. Verify that the LUNS are in igroups that have the **ostype** option set to *vmware* on the primary storage system.
3. Verify that the ESXi hosts at the recovery site have appropriate FC or iSCSI connectivity to the .

You can do this either by verifying that the ESXi hosts have local LUNs connected on the or by using the `fcv show initiators` command or the `iscsi show initiators` command on the .

Configure Storage Replication Adapter for NAS environment

You must configure the storage systems before running Storage Replication Adapter

(SRA) for VMware vCenter Site Recovery Manager (SRM).

Before you begin

You must have installed the following programs on the protected site and the recovery site:

- SRM

Documentation about installing SRM can be found on the VMware site.

[VMware Site Recovery Manager Documentation](#)

- SRA

The adapter is installed on SRM and the SRA server.

Steps

1. Verify that the datastores at the protected site contain virtual machines that are registered with vCenter Server.
2. Verify that the ESXi hosts at the protected site have mounted the NFS exports volumes from the .
3. Verify that valid addresses such as the IP address, host name, or FQDN on which the NFS exports are present are specified in the **NFS Addresses** field when using the **Array Manager** wizard to add arrays to SRM.
4. Use the `ping` command on each ESXi host at the recovery site to verify that the host has a VMkernel port that can access the IP addresses that are used to serve NFS exports from the .

[NetApp Support](#)

Configuration of Storage Replication Adapter for highly scaled environment

You must configure the storage timeout intervals per the recommended settings for Storage Replication Adapter (SRA) to perform optimally in highly scaled environments.

Storage Provider settings

- You must increase the value of the `StorageProvider.resignatureTimeout` setting from 900 seconds to 12000 seconds.
- You must enable the `StorageProvider.autoResignatureMode` option.

See VMware documentation for more information on modifying Storage Provider settings.

[VMware vSphere Documentation: Change Storage Provider Settings](#)

Storage settings

You must set the value of the `storage.commandTimeout` timeout interval for highly scaled environments to 12,000 seconds.



The timeout interval specified is the maximum value. You do not need to wait for the maximum timeout to be reached. Most commands finish within the set maximum timeout interval.

[NetApp Knowledgebase Answer 1001111: NetApp Storage Replication Adapter 4.0/7.X for ONTAP Sizing Guide](#)

VMware documentation on modifying SAN Provider settings has more information.

[Vmware Site Recovery Manager Documentation: Change Storage Settings](#)

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