



Configure protected and recovery site resources

ONTAP tools for VMware vSphere 10.1

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Configure protected and recovery site resources

Configure network mappings

You should configure your resource mappings like VM networks, ESXi hosts, and folders on both sites to enable the mapping of each resource from the protected site to the appropriate resource at the recovery site.

You should complete the following resource configurations:

- Network mappings
- Folder mappings
- Resource mappings
- Placeholder datastores

What you will need

You should have connected the protected and recovery sites.

Steps

1. Log in to vCenter Server and click on **Site Recovery > Sites**.
2. Select your protected site, and then click **Manage**.
3. In the Manage tab, select **Network Mappings**.
4. Click **New** to create a new network mapping.

The Create Network Mapping wizard appears.

5. In the Create Network Mapping wizard, perform the following:
 - a. Select **Automatically Prepare Mappings for Networks with Matching Names**, and click **Next**.
 - b. Select the required data center objects for the protected and recovery sites, and click **Add Mappings**.
 - c. Click **Next** after mappings are created successfully.
 - d. Select the object used earlier to create reverse mapping, then click **Finish**.

Result

The Network Mappings page displays the protected site resources and the recovery site resources. You can follow the same steps for other networks in your environment.

Configure folder mappings

You should map your folders on the protected site and recovery site to enable communication between them.

What you will need

You should have connected the protected and recovery sites.

Steps

1. Log in to vCenter Server and click on **Site Recovery > Sites**.
2. Select your protected site, and then click **Manage**.
3. In the Manage tab, select **Folder Mappings**.
4. Select **Folder** icon to create a new folder mapping.

The Create Folder Mapping wizard appears.

5. In the Create Folder Mapping wizard, perform the following:
 - a. Select **Automatically Prepare Mappings for Folders with Matching Names**, and click **Next**.
 - b. Select the required data center objects for the protected and recovery sites, and click **Add Mappings**.
 - c. Click **Next** after mappings are created successfully.
 - d. Select the object used earlier to create reverse mapping, then click **Finish**.

Result

The Folder Mappings page displays the protected site resources and the recovery site resources. You can follow the same steps for other networks in your environment.

Configure resource mappings

You should map your resources on the protected site and recovery site so that virtual machines are configured to fail over into one group of hosts or the other.

What you will need

You should have connected the protected and recovery sites.



In Site Recovery Manager (SRM), resources can be resource pools, ESXi hosts, or vSphere clusters.

Steps

1. Log in to vCenter Server and click on **Site Recovery > Sites**.
2. Select your protected site, and then click **Manage**.
3. In the Manage tab, select **Resource Mappings**.
4. Click **New** to create a new resource mapping.

The Create Resource Mapping wizard appears.

5. In the Create Resource Mapping wizard, perform the following:
 - a. Select **Automatically Prepare Mappings for Resource with Matching Names**, and click **Next**.
 - b. Select the required data center objects for the protected and recovery sites, and click **Add Mappings**.
 - c. Click **Next** after mappings are created successfully.
 - d. Select the object used earlier to create reverse mapping, then click **Finish**.

Result

The Resource Mappings page displays the protected site resources and the recovery site resources. You can follow the same steps for other networks in your environment.

Configure placeholder datastores

You should configure a placeholder datastore to hold a place in the vCenter inventory at the recovery site for the protected virtual machine (VM). The placeholder datastore does not need to be large as the placeholder VMs are small and use only a few hundred or fewer kilobytes.

What you will need

- You should have connected the protected and recovery sites.
- You should have configured your resource mappings.

Steps

1. Log in to vCenter Server and click on **Site Recovery** > **Sites**.
2. Select your protected site, and then click **Manage**.
3. In the Manage tab, select **Placeholder Datastores**.
4. Click **New** to create a new placeholder datastore.
5. Select the appropriate datastore, and then click **OK**.



Placeholder datastores can be local or remote and should not be replicated.

6. Repeat the steps 3 to 5 to configure a placeholder datastore for the recovery site.

Configure SRA using array manager

You can configure Storage Replication Adapter (SRA) by using the Array Manager wizard of Site Recovery Manager (SRM) to enable interactions between SRM and storage virtual machines (SVMs).

What you will need

- You should have paired the protected sites and recovery sites in SRM.
- You should have configured your onboarded storage before configuring the array manager.
- You should have configured and replicated the SnapMirror relationships between the protected sites and recovery sites.
- You should have enabled the SVM management LIFs to enable multitenancy.

SRA supports cluster-level management and SVM-level management. If you add storage at a cluster level, then you can discover and perform operations on all the SVMs in the cluster. If you add storage at an SVM level, then you can manage only that specific SVM.

Steps

1. In SRM, click **Array Managers**, and then click **Add Array Manager**.
2. Enter the following information to describe the array in SRM:
 - a. Enter a name to identify the array manager in the **Display Name** field.
 - b. In the **SRA Type** field, select **NetApp Storage Replication Adapter for ONTAP**.
 - c. Enter the information to connect to the cluster or the SVM:
 - If you are connecting to a cluster, you should enter the cluster management LIF.
 - If you are connecting directly to an SVM, you should enter the IP address of the SVM management LIF.



When configuring the array manager, you should use the same connection (IP address) for the storage system that was used to onboard the storage system in ONTAP tools. For example, if the array manager configuration is SVM scoped, then the storage under ONTAP tools for VMware vSphere should be added at SVM level.

- d. If you are connecting to a cluster, enter the name of the SVM in the **SVM name** field.

You can also leave this field blank.

- e. Enter the volumes to be discovered in the **Volume include list** field.

You can enter the source volume at the protected site and the replicated destination volume at the recovery site.

For example, if you want to discover volume *src_vol1* that is in a SnapMirror relationship with volume *dst_vol1*, you should specify *src_vol1* in the protected site field and *dst_vol1* in the recovery site field.

- f. **(Optional)** Enter the volumes to be excluded from discovery in the **Volume exclude list** field.

You can enter the source volume at the protected site and the replicated destination volume at the recovery site.

For example, if you want to exclude volume *src_vol1* that is in a SnapMirror relationship with volume *dst_vol1*, you should specify *src_vol1* in the protected site field and *dst_vol1* in the recovery site field.

3. Click **Next**.
4. Verify that the array is discovered and displayed at the bottom of the Add Array Manager window and click **Finish**.

You can follow the same steps for the recovery site by using the appropriate SVM management IP addresses and credentials. On the Enable Array Pairs screen of the Add Array Manager wizard, you should verify that the correct array pair is selected, and that it shows as ready to be enabled.

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