



# **Enable Storage Replication Adapter**

VSC, VASA Provider, and SRA 9.7

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# Table of Contents

- Enable Storage Replication Adapter ..... 1
  - Configure SRA on the SRM Appliance..... 2
  - Update Storage Replication Adapter (SRA) credentials..... 3

# Enable Storage Replication Adapter

The virtual appliance for Virtual Storage Console (VSC), VASA Provider, and Storage Replication Adapter (SRA) provides the option to enable the SRA capability to be used with VSC to configure disaster recovery.

## Before you begin

- You must have set up your vCenter Server instance and configured ESXi.
- You must have deployed the virtual appliance for VSC, VASA Provider, and SRA.
- You must have downloaded the `.msi` file for the SRA plug-in, or the `.tar.gz` file for SRM appliance only if you want to configure the Site Recovery Manager (SRM) disaster recovery solution.

[Site Recovery Manager Installation and Configuration Site Recovery Manager 8.2](#) has more information.

## About this task

The flexibility to enable VASA Provider and SRA capabilities enables you to execute only the workflows that you require for your enterprise.

## Steps

1. Log in to the web user interface of VMware vSphere.
2. From the vSphere Client, click **Menu** > **Virtual Storage Console**.
3. Click **Settings**.
4. Click **Manage Capabilities** in the **Administrative Settings** tab.
5. In the **Manage Capabilities** dialog box, select the SRA extension want to enable.
6. Enter the IP address of the virtual appliance for VSC, VASA Provider, and SRA and the administrator password, and then click **Apply**.
7. You can use one of the following methods to deploy SRA:

Option	Description
For Windows SRM	<ol style="list-style-type: none"><li>a. Double-click the downloaded <code>.msi</code> installer for the SRA plug-in.</li><li>b. Follow the on-screen instructions.</li><li>c. Enter the IP address and password of your deployed virtual appliance.</li></ol>

Option	Description
For SRM appliance	<ol style="list-style-type: none"> <li>Access the SRM appliance page, and then go to <b>Storage Replication Adapters</b> page of SRM appliance.</li> <li>Click <b>New Adapter</b>.</li> <li>Upload the .tar.gz installer for the SRA plug-in to SRM.</li> <li>Rescan the adapters to verify that the details are updated in the SRM <b>Storage Replication Adapters</b> page.</li> </ol>

You must log out of the vSphere Client, and then log in again to verify that your selected extension is available for configuration.

### Related information

[Configure Storage Replication Adapter for disaster recovery](#)

## Configure SRA on the SRM Appliance

After you have deployed the SRM Appliance, you should configure SRA on the SRM Appliance. The successful configuration of SRA enables SRM Appliance to communicate with SRA for disaster recovery management. You should store the virtual appliance for VSC, VASA Provider, and SRA credentials (IP address and administrator password) in the SRM Appliance to enable communication between SRM Appliance and SRA.

### Before you begin

You should uploaded the `tar.gz` file to SRM Appliance.

### About this task

The configuration of SRA on SRM Appliance stores the SRA credentials in the SRM Appliance.

### Steps

1. Log in using administrator account to the SRM Appliance using putty.
2. Switch to the root user using the command: `su root`
3. At the log location enter the command to get the docker ID used by SRA `docker ps -l`
4. To login to the container ID, enter command `docker exec -it -u srm <container id> sh`
5. Configure SRM with the virtual appliance for VSC, VASA Provider, and SRA IP address and password using the command: `perl command.pl -I <va-IP> administrator <va-password>`

A success message confirming that the storage credentials are stored is displayed. SRA can communicate with SRA server using the provided IP address, port and credentials.

# Update Storage Replication Adapter (SRA) credentials

For SRM to communicate with SRA, you should update SRA credentials on the SRM server if you have modified the credentials.

## Before you begin

You should have executed the steps mentioned in the topic "Configuring SRA on SRM appliance".

## Configure SRA on the SRM Appliance

### Steps

1. Delete the contents of the `/srm/sra/conf` directory using:
  - a. `cd /srm/sra/conf`
  - b. `rm -rf *`
2. Execute the perl command to configure SRA with the new credentials:
  - a. `cd /srm/sra/`
  - b. `perl command.pl -l <va-IP> administrator <va-password>`

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