Enable VASA Provider for configuring virtual datastores

VSC, VASA Provider, and SRA 9.7

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Enable VASA Provider for configuring virtual datastores

The virtual appliance for Virtual Storage Console (VSC), VASA Provider, and Storage Replication Adapter (SRA) has the VASA Provider capability enabled by default. You can configure VMware Virtual Volumes (vVols) datastores with required storage capability profiles for each vVols datastore.

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.

About this task

If the VASA Provider capability is disabled before upgrading to the 9.7.1 release of the virtual appliance for Virtual Storage Console (VSC), VASA Provider, and Storage Replication Adapter (SRA), the VASA Provider capability remains disabled after the upgrade. This release allows you to enable vVols replication feature for vVols datastores.

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 VASA Provider extension to enable.
6. If you want to use replication capability for vVols datastores, then use the **Enable vVols replication** toggle button.
7. Enter the IP address of the virtual appliance for VSC, VASA Provider, and SRA and the administrator password, and then click **Apply**.

After you finish

If you are using ONTAP 9.6 or earlier clusters, then you must register with VASA Provider to get details of vVols datastores and virtual machines used in the SAN vVols VM and SAN vVols datastore reports. But if you are using ONTAP 9.7 or later, then you do not need to register with VASA Provider.

Register with the virtual appliance for VSC, VASA Provider, and SRA

If you are using ONTAP 9.6 or earlier, then the vVol dashboard can display the details of VMware Virtual Volumes (vVols) datastores and virtual machines only if you have registered for VASA Provider to obtain data for the vVols VM and datastore reports.

Before you begin

You must have downloaded 2.1 or later from .

The vVol dashboard displays performance metrics only when the SAN vVols datastores and virtual machines are configured using ONTAP 9.3 or later.

Steps

1. From the Virtual Storage Console (VSC) **Home** page, click **Settings**.
2. Click **Manage Extension** in the **Administrative Settings** tab.
3. Use the **Register OnCommand API Services** slider to enable .
4. Enter the IP address, service port, and credentials for .

   You can also use the **Manage VASA Provider Extensions** dialog box for the following modifications:

   - To update registration when there is any change to the credentials.
   - To unregister when you no longer require the vVol dashboard.

     You must clear the **Register OnCommand API Services** checkbox to remove the registration for VASA Provider.

5. Click **Apply**.

   The vVol dashboard displays the metrics for ONTAP 9.6 or earlier SAN vVol datastores only after the registration of is complete.

Related information

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