Deploy the virtual appliance for VSC, VASA Provider, and SRA

VSC, VASA Provider, and SRA 9.7

NetApp
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You should deploy the virtual appliance for Virtual Storage Console (VSC), VASA Provider, and Storage Replication Adapter (SRA) in your environment, and specify the required parameters, to be able to use the appliance.

Before you begin

- You must be running a supported release of vCenter Server.

  The virtual appliance for VSC, VASA Provider, and SRA can be registered either with a Windows deployment of vCenter Server or a VMware vCenter Server Virtual Appliance (vCSA) deployment.

  Interoperability Matrix Tool: VSC 9.7

- You must have configured and set up your vCenter Server environment.
- You must have set up an ESXi host for your virtual machine.
- You must have downloaded the `.ova` file.
- You must have the administrator login credentials for your vCenter Server instance.
- You must have logged out of and closed all of the browser sessions of vSphere Client, and deleted the browser cache to avoid any browser cache issue during the deployment of the virtual appliance for VSC, VASA Provider, and SRA.

  Clean the vSphere cached downloaded plug-in packages

- You must have enabled Internet Control Message Protocol (ICMP).

  If ICMP is disabled, then the initial configuration of the virtual appliance for VSC, VASA Provider, and SRA fails, and VSC cannot start the VSC and VASA Provider services after deployment. You must manually enable the VSC and VASA Provider services after deployment.

About this task

If you are deploying a fresh installation of the virtual appliance for VSC, VASA Provider, and SRA, then VASA Provider is enabled by default. But in case of an upgrade from an earlier release of the virtual appliance, the state of VASA Provider is retained and you might need to enable VASA Provider manually.

Enable VASA Provider for configuring virtual datastores

Steps

1. Log in to the vSphere Client.
2. Select **Home › Host & Clusters**.
3. Right-click the required datacenter, and then click **Deploy OVA template**.
4. Select the applicable method to provide the deployment file for VSC, VASA Provider, and SRA, and then click **Next**.

Location	Action
URL	Provide the URL for the `.ova` file for the virtual appliance for VSC, VASA Provider, and SRA.
Folder	Select the `.ova` file for the virtual appliance for VSC, VASA Provider, and SRA from the saved location.

5. Enter the details to customize the deployment wizard.

   See Deployment customization considerations for complete details.

6. Review the configuration data, and then click **Next** to finish deployment.

   As you wait for deployment to finish, you can view the progress of the deployment from the **Tasks** tab.

7. Power on the virtual appliance virtual machine, and then open a console of the virtual machine running the virtual appliance.
8. Verify that VSC, VASA Provider, and SRA services are running after the deployment is completed.
9. If the virtual appliance for VSC, VASA Provider, and SRA is not registered with any vCenter Server, use `https://appliance_ip:8143/Register.html` to register the VSC instance.
10. Log out and re-log in to the vSphere Client to view the deployed virtual appliance for VSC, VASA Provider, and SRA.

    It might take a few minutes for the plug-in to be updated in the vSphere Client.

    If you cannot view the plug-in even after logging in, you must clean the vSphere Client cache. Clean the vSphere cached downloaded plug-in packages

After you finish

If you are using ONTAP 9.6 or earlier, then to view the vVol dashboard, you must download and install . But for ONTAP 9.7 you do not require to be registered with VASA Provider.

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

Deployment customization considerations

You must consider few limitations while customizing the deployment of virtual appliance for VSC, VASA Provider, and SRA.

Appliance administrator user password

You must not use any spaces in the administrator password.

Appliance maintenance console credentials

You must access the maintenance console by using the “maint” user name. You can set the password for the “maint” user during deployment. You can use the **Application Configuration** menu of the maintenance console of your virtual appliance for VSC, VASA Provider, and SRA to change the password.

vCenter Server administrator credentials

You can set the administrator credentials for the vCenter Server while deploying the virtual appliance for VSC, VASA Provider, and SRA.

If the password for the vCenter Server changes, then you can update the password for the administrator by using the following URL: `https://<IP>:8143/Register.html` where the IP address is of the virtual appliance for VSC, VASA Provider, and SRA that you provide during deployment.

vCenter Server IP address

- You should provide the IP address (IPv4 or IPv6) of the vCenter Server instance to which you want to register the virtual appliance for VSC, VASA Provider, and SRA.

  The type of VSC and VASA certificates generated depends on the IP address (IPv4 or IPv6) that you have provided during deployment. While deploying the virtual appliance for VSC, VASA Provider, and SRA, if you have not entered any static IP details and your DHCP then the network provides both IPv4 and IPv6 addresses.

- The virtual appliance for VSC, VASA Provider, and SRA IP address used to register with vCenter Server depends on the type ofvCenter Server IP address (IPv4 or IPv6) entered in the deployment wizard.

  Both the VSC and VASA certificates will be generated using the same type of IP address used during vCenter Server registration.

IPv6 is supported only with vCenter Server 6.7 and later.

Appliance network properties

If you are not using DHCP, specify a valid DNS hostname (unqualified) as well as the static IP address for the virtual appliance for VSC, VASA Provider, and SRA and the other network parameters. All of these parameters are required for proper installation and operation.

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