Provisioning storage

Snapdrive for Unix

NetApp
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Provisioning storage

SnapDrive for UNIX enables you to provision storage and connect to an existing storage system by using command-line options from the host. You can also provision storage using Data ONTAP.

Provisioning volumes

Data ONTAP enables you to provision storage by creating a volume on the storage system and mounting the volume to the host with NFS protocol enabled.

Related information

Data ONTAP 8.2 Storage Management Guide For 7-Mode

Provisioning RDM LUNs

SnapDrive for UNIX enables you to create and provision RDM LUNs with the FC protocol enabled on a guest operating system in a VMware virtual environment. You can also provision RDM LUNs by using ONTAP.

- NetApp Virtual Storage Console (VSC) must be installed and configured with VMware vCenter™.
- The backup and recovery capability of NetApp Virtual Storage Console for VMware vSphere™ must be installed in the Windows operating system that is registered with vCenter™.
- `default-transport` must be set as fcp in the `snapdrive.conf` file, and the SnapDrive for UNIX daemon must be restarted.

Steps

1. Configure the guest operating system for creating an RDM LUN:

   `snapdrive config set-viadmin` *`user viadmin_name`*

   - *`user`* is the name of the virtual interface system.
   - *`viadmin_name`* is the name of the IP address of the virtual interface system.

2. Verify the login information for Virtual Storage Console:

   `snapdrive config list`

   This command displays the user name or virtual interface that is specified in SnapDrive for UNIX.

3. Verify that the guest operating system can communicate with the storage system:

   `storage show -all` *`command`*

4. Create an RDM LUN on the storage system:

   `snapdrive storage create -lun` *`long_lun_name`* `-lunsize` *`size_of_the_lun`*

5. Connect the RDM LUN to the host:

   ```
   snapdrive storage connect -lun long_lun_name
   ```

Related information

Virtual Storage Console, VASA Provider, and Storage Replication Adapter for VMware vSphere Administration Guide for 7.2 release

Data ONTAP 8.2 Storage Management Guide For 7-Mode

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