Using port set in SnapDrive for UNIX

Snapdrive for Unix

NetApp
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Table of Contents

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Port set is a group of SAN data port or interface, and is used to control the path available to a host by grouping the set of SAN data port or interface.

Port set configuration is created by the storage administrator on the storage system, and it is an optional task. When there is no port set configured on the host, the host can view all the paths, depending on the host SCSI configuration limits. SnapDrive for UNIX allows the storage administrator to specify a single port set per Vserver. Therefore, there is a restriction in the number of paths that the host can view through the Vserver.

Adding a port set in SnapDrive

You can add a port set in the storage system to communicate with a Vserver. This is a one-time activity and must be done before using the storage system.

If you want to upgrade to SnapDrive 5.2 for UNIX, ensure that the earlier versions of SnapDrive for UNIX igroups are manually associated to the port set by the storage administrator.

In the following example, the storage administrator uses the Vserver name instead of an IP address, and verifies that the Vserver name is registered on a DNS server.

Steps

1. Enter the following command on the host:

   snapdrive portset add *portset_name filername [filername…]*

   portset_name is the name of the port set.

   filername is the name of the Vserver.

   ```
   snapdrive portset add ps2 vs91
   Added portset configuration for appliance: vs91
   ```

   The port set ps2 is added successfully in SnapDrive.

Viewing the list of port set

You can use the `snapdrive portset list` command to view all the port sets that are configured in SnapDrive on the host.

Steps

1. Enter the following command on the host system:

   snapdrive portset list

```
snapdrive portset list
appliance name   Portset name
-----------------------------
vs91        ps2
```

Removing a port set from SnapDrive

You can use the `snapdrive portset delete` command to delete a port set that is configured in SnapDrive.

Steps

1. Enter the following command on the host system:

   snapdrive portset delete *filername [filername…]*

   filername is the Vserver name on which the port set is configured.

   ```
   snapdrive portset delete vs91
   Deleted portset configuration for appliance: vs91
   ```

   The port set that is configured for SnapDrive is removed successfully.

Migrating to new Vserver name

If you have migrated from an old Vserver to a new Vserver, you must ensure that the new Vserver name is configured on the host system to execute any SnapDrive operations on the Vserver.

The following steps must be performed on the host system whenever you migrate to a new Vserver name:

Steps

1. Delete the old Vserver name that is configured using the following command:

   snapdrive config delete *appliance_name*

   The old configured Vserver name is removed from the host system.

2. Delete the port set that is assigned to the old configured Vserver using the following command:

   snapdrive portset delete *filername* [*filername*…]

3. Configure the new Vserver name using the following command:

   snapdrive config set *vsadmin filername [filername…]*

4. Assign the port set using the following command:

```
snapdrive portset add portset_name filername [filername…]
```

5. Migrate the new Vserver name using the following command:

```
snapdrive config migrate set old_entry new_entry
```

After you have migrated to the new Vserver, you are ready to execute SnapDrive operations in the host system for this new Vserver name.

Related information

Migrating from old storage system to new storage system

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