lun portset commands

ONTAP commands

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lun portset commands

lun portset add

Add iSCSI/FCP LIFs to a portset

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

This command adds existing iSCSI and FCP LIFs to a portset. To create a new portset, use the lun portset create command.

Use the network interface create command to create new LIFs.

Parameters

`-vserver <Vserver Name>` - Vserver Name

Specifies the Vserver.

`-portset <text>` - Portset Name

Specifies the portset you want to add the LIFs to.

`-port-name <port_name>,…` - LIF or TPG Name

Specifies the LIF name you want to add to the portset.

Examples

```
cluster1::> portset add -vserver vs1 -portset ps1 -port-name lif1
```

Adds port lif1 to portset ps1 on Vserver vs1.

Related Links

- lun portset create
- network interface create

lun portset create

Creates a new portset

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

This command creates a new portset for FCP and iSCSI. The portset name can include a maximum of 96 characters. You can add LIFs to the new portset. If you do not add a LIF to the portset, you create an empty portset. To add LIFs to an existing portset, use the lun portset add command.

After you create a portset, you must bind the portset to an igroup so the host knows which FC or iSCSI LIFs to access. If you do not bind an igroup to a portset, and you map a LUN to an igroup, then the initiators in the igroup can access the LUN on any LIF on the Vserver.

> You cannot bind an igroup to an empty portset because the initiators in the igroup would have no LIFs to access the LUN.

Parameters

-vserver <Vserver Name> - Vserver Name

Specifies the Vserver.

-portset <text> - Portset Name

Specifies the name of the new portset. A portset name is a case-sensitive name that must contain one to 96 characters. Spaces are not allowed.

[-port-name <port_name>,…] - LIF Or TPG Name

Specifies the name of the logical interface that you want to add to the portset you want to create.

{ [-protocol {mixed|fcp|iscsi}] - Protocol

Specifies if the portset protocol type is *fcp* , *iscsi* , or *mixed* . The default is *mixed* .

| [-f, -fcp <true>] - FCP

Specifies FCP as the protocol type of the new portset.

| [-i, -iscsi <true>] - iSCSI }

Specifies iSCSI as the protocol type of the new portset.

Examples

```
cluster1::> portset create -vserver vs1 -portset ps1 -protocol mixed
```

Creates a portset *ps1* on Vserver *vs1* with the protocol type of *mixed* .

```
cluster1::> portset create -vserver vs1 -portset iscsips -protocol iscsi
```

Creates a portset *iscsips* on Vserver *vs1* with the protocol type of *iscsi* .

```
cluster1::> portset create -vserver vs1 -portset fcppc -protocol fcp
```

Creates a portset *fcppc* on Vserver *vs1* with the protocol type of *fcp* .

```
cluster1::> portset create -vserver vs1 -portset ps2 -protocol mixed -port
-name l11
```

Creates a portset *ps2* on Vserver *vs1* with the protocol type of *mixed* and LIF *l11* .

Related Links

- lun portset add

lun portset delete

Delete the portset

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

This command deletes an existing portset. By default, you cannot delete a portset if it is bound to an initiator group. If a portset is bound to an initiator group, you can do one of the following:

- specify the `force` option to unbind the portset from the initiator group and delete the portset.
- use the lun igroup unbind command to unbind the portset from the initiator group. Then you can delete the portset.

Parameters

`-vserver <Vserver Name>` - Vserver Name

Specifies the Vserver.

`-portset <text>` - Portset Name

Specifies the portset you want to delete.

`[-f, -force <true>]` - Force

Forcibly unbinds the portset from the initiator group.

Examples

```
cluster1::> portset delete -vserver vs1 -portset ps1
```

Deletes portset ps1 on Vserver vs1.

Related Links

- lun igroup unbind

lun portset remove

Remove iSCSI/FCP LIFs from a portset

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

This command removes a LIF from a portset.

You cannot remove the last LIF in a portset if the portset is bound to an initiator group (igroup). To remove the last LIF in a portset, use the lun igroup unbind command to unbind the portset from the igroup. Then you can remove the last LIF in the portset.

Parameters

`-vserver <Vserver Name>` - Vserver Name

Specifies the Vserver.

`-portset <text>` - Portset Name

Specifies the portset you want to remove a LIF from.

`-port-name <port_name>,…` - LIF or TPG Name

Specifies the LIF name you want to remove from the portset.

Examples

```
cluster1::> portset remove -vserver vs1 -portset ps1 -port-name lif1
```

Removes port lif1 from portset ps1 on Vserver vs1.

Related Links

- lun igroup unbind

lun portset show

Displays a list of portsets

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

This command displays the LIFs in a portset. By default, the command displays all LIFs in all portsets.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <Vserver Name>] - Vserver Name

Selects the portsets that match this parameter value.

[-portset <text>] - Portset Name

Selects the portsets that match this parameter value.

[-uuid <UUID>] - Portset Uuid

Selects the portsets that match this parameter value.

[-port-name <port_name>,…] - LIF Or TPG Name

Selects the portsets that match this parameter value.

[-protocol {mixed|fcp|iscsi}] - Protocol

Selects the portsets that match this parameter value.

[-port-count <integer>] - Number Of Ports

Selects the portsets that match this parameter value.

[-igroups <igroup>,…] - Bound To Igroups

Selects the portsets that match this parameter value.

Examples

```
cluster1::> lun portset show
Vserver   Portset      Protocol Port Names              Igroups
--------- ------------ -------- ----------------------- ------------
vs1       ps0          mixed    lif1, lif2              igroup1
          ps1          iscsi    lif3                    igroup2
          ps2          fcp      lif4                    -
3 entries were displayed.
```

The example above displays all portsets.

```
cluster1::> lun portset show -port-count 0
Vserver   Portset      Protocol Port Names              Igroups
--------- ------------ -------- ----------------------- ------------
vs1       p1           iscsi    -                       -
```

The example above displays the portsets that contain zero LIFs.

```
cluster1::> lun portset show -protocol iscsi
Vserver   Portset      Protocol Port Names              Igroups
--------- ------------ -------- ----------------------- ------------
vs1       p1           iscsi    -                       -
vs1       iscsips      iscsi    lif1                    igroup1
2 entries were displayed.
```

The example above displays the portsets that have the iSCSI protocol.

```
cluster1::> lun portset show -port-name lif1
Vserver   Portset      Protocol Port Names              Igroups
--------- ------------ -------- ----------------------- ------------
vs1       iscsips      iscsi    lif1                    igroup1
```

The example above displays the portsets that contain LIF lif1.

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