



# **lun bind commands**

## **ONTAP 9.14.1 commands**

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# lun bind commands

## lun bind create

Bind a VVol LUN to a protocol endpoint

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

### Description

This command creates a new binding between a protocol endpoint and a vvol LUN. If a binding between the specified endpoint and vvol already exists, the reference count for the binding is incremented by one.



For optimal results, the protocol endpoint and vvol must be hosted by the same node in the cluster.

### Parameters

**-vserver <Vserver Name> - Vserver name (privilege: advanced)**

Specifies the name of the Vserver.

**-protocol-endpoint-path <path> - Protocol Endpoint (privilege: advanced)**

Specifies the path to the protocol endpoint. The specified LUN must already exist and be of class "protocol-endpoint". Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtree1/lun1*.

**-vvol-path <path> - VVol Path (privilege: advanced)**

Specifies the path to the vvol. The specified LUN must already exist and be of the class "vvol". Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtree1/lun1*.

### Examples

```
cluster1::*> lun bind create -vserver vs1 -protocol-endpoint-path  
/vol/VV1/PE1 -vvol-path /vol/VV3/234ace
```

Bind the vvol */vol/VV3/234ace* to the protocol endpoint */vol/VV1/PE1* in Vserver *vs1*.

## lun bind destroy

Unbind a VVol LUN from a protocol endpoint

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

### Description

Decrement the reference count of the binding between a protocol endpoint and vvol LUN. If the resulting reference count is zero, the binding is removed.

## Parameters

**-vserver <Vserver Name> - Vserver name (privilege: advanced)**

Specifies the Vserver.

**-protocol-endpoint-path <path> - Protocol Endpoint (privilege: advanced)**

Specifies the path of the protocol endpoint LUN. Examples of correct LUN paths are `/vol/vol1/lun1` and `/vol/vol1/qtree1/lun1`.

**-vvol-path <path> - VVol Path (privilege: advanced)**

Specifies the path of the vvol LUN. Examples of correct LUN paths are `/vol/vol1/lun1` and `/vol/vol1/qtree1/lun1`.

**[-force <true>] - If true, unbind the Vvol completely even if the current reference count is greater than 1. The default is false. (privilege: advanced)**

Completely remove the specified binding, regardless of the current reference count.

## Examples

```
cluster1::*> lun bind destroy -protocol-endpoint-path /vol/VV2/PE2 -vvol
-path /vol/VV2/30dfab -vserver vs1
```

Remove the binding between the vvol `/vol/VV2/30dfab` and the protocol endpoint `/vol/VV2/PE2` on Vserver `vs1`.

## lun bind show

Show list of Vvol bindings

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

## Description

Shows the configured VVol to protocol endpoint bindings.

## 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 (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-protocol-endpoint-msid <integer>] - PE MSID (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-protocol-endpoint-vdisk-id <text>] - PE Vdisk ID (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-vvol-msid <integer>] - VVol MSID (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-vvol-vdisk-id <text>] - VVol Vdisk ID (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-vserver-uuid <UUID>] - Vserver UUID (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-protocol-endpoint-path <path>] - Protocol Endpoint (privilege: advanced)**

Selects the bindings that match this parameter value. Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtrees1/lun1*.

**[-protocol-endpoint-node <nodename>] - PE Node (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-vvol-path <path>] - VVol (privilege: advanced)**

Selects the bindings that match this parameter value. Examples of correct LUN paths are */vol/vol1/lun1* and */vol/vol1/qtrees1/lun1*.

**[-vvol-node <nodename>] - VVol Node (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-secondary-lun <Hex 64bit Integer>] - Secondary LUN (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-is-optimal {true|false}] - Optimal binding (privilege: advanced)**

Selects the bindings that match this parameter value.

**[-reference-count <integer>] - Reference Count (privilege: advanced)**

Selects the bindings that match this parameter value.

## Examples

```

cluster1::*> lun bind show -vserver vs1
Vserver          Protocol Endpoint          Node
                  Vvol LUN                    Secondary LUN
Optimal?
-----
-----
vs1              /vol/VV1/PE1              cluster-node1
                  /vol/VV2/30dfab          d20000010000 false
                  /vol/VV3/234ace          d20000020000 true
                  /vol/VV3/234acf          d20000030000 true
                  /vol/VV2/PE2              cluster-node2
                  /vol/VV2/30dfab          d20000010000 true
4 entries were displayed.

```

The example above displays all the LUN bindings on Vserver vs1.

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