



# **storage iscsi-initiator commands**

## **Command reference**

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# storage iscsi-initiator commands

## storage iscsi-initiator add-target

Add an iSCSI target

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

### Description

The `storage iscsi-initiator add-target` command adds an iSCSI target to a node's list of targets. This command is only supported on high-availability shared-nothing virtualized platforms.

### Parameters

**-node {<nodename>|local} - Node (privilege: advanced)**

Specifies the name of the ONTAP node to which the iSCSI target will be added.

**-label <text> - User Defined Identifier (privilege: advanced)**

Specifies a label for the target to be added.

**-target-type {external|mailbox|partner|partner2|dr\_auxiliary|dr\_partner} - Target Type (privilege: advanced)**

Specifies the type of the target. It is used by the node to determine how to use the LUNs. There are five target types:

- `partner` - The partner target should belong to the node's HA partner. This allows the node to access its partner's disks.
- `mailbox` - A mailbox target's LUNs are used exclusively as HA mailboxes.
- `external` - External targets' LUNs can be used by the node but do not play a role in HA.
- `dr_auxiliary` - The DR auxiliary target for MetroCluster over IP. Not a valid target type for the `add-target` command.
- `dr_partner` - The DR partner target for MetroCluster over IP. Not a valid target type for the `add-target` command.

**-target-portal <text> - Target Portal (privilege: advanced)**

Specifies the target's IP address and listening TCP port. The port is not required if it is the default iSCSI port (3260). Examples of correct target portals are `10.0.0.2` and `10.0.0.2:860`.

**-target-name <text> - iSCSI Name (privilege: advanced)**

Specifies the iSCSI target name such as an IQN (iSCSI qualified name).

**[-status-admin {down|up}] - Administrative Status (default: up) (privilege: advanced)**

Use to specify whether the initial administrative status of the connection is up or down. The default setting is *up*.

## Examples

The following example adds and connects to an iSCSI target from the specified node.

```
cluster1::*> storage iscsi-initiator add-target -node node1
               -label target1 -target-type external
               -target-portal 10.0.0.2:860
               -target-name iqn.2012-06.com.bsdctl:target0
```

## storage iscsi-initiator connect

Connect to an iSCSI target

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

### Description

The `storage iscsi-initiator connect` command connects a node to the specified target. This command is only supported on high-availability shared-nothing virtualized platforms.

### Parameters

**-node {<nodename>|local} - Node (privilege: advanced)**

Specifies the name of the ONTAP node to which the iSCSI target will be connected.

**[-target-type {external|mailbox|partner|partner2|dr\_auxiliary|dr\_partner}] - Target Type (privilege: advanced)**

Selects targets with the specified target type.

**-label <text> - User Defined Identifier (privilege: advanced)**

Specifies the label of the target to connect to.

## Examples

The following example adds and connects to an iSCSI target from the specified node.

```
cluster1::*> storage iscsi-initiator connect -node node1
               -label target1
```

## storage iscsi-initiator disconnect

Disconnect from an iSCSI target

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

## Description

The `storage iscsi-initiator disconnect` command disconnects a node from the specified target. This command is only supported on high-availability shared-nothing virtualized platforms.

## Parameters

**-node {<nodename>|local} - Node (privilege: advanced)**

Specifies the name of the ONTAP node from which the iSCSI target will be disconnected.

**[-target-type {external|mailbox|partner|partner2|dr\_auxiliary|dr\_partner}] - Target Type (privilege: advanced)**

Selects targets with the specified target type.

**-label <text> - User Defined Identifier (privilege: advanced)**

Specifies the label of the target to disconnect from.

## Examples

The following example adds and connects to an iSCSI target from the specified node.

```
cluster1::*> storage iscsi-initiator disconnect -node node1
               -label target1
```

## storage iscsi-initiator remove-target

Remove an iSCSI target

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

## Description

The `storage iscsi-initiator remove-target` command removes an iSCSI target from a node's list of targets. This command is only supported on high-availability shared-nothing virtualized platforms.

## Parameters

**-node {<nodename>|local} - Node (privilege: advanced)**

Specifies the name of the ONTAP node from which the iSCSI target will be removed.

**[-target-type {external|mailbox|partner|partner2|dr\_auxiliary|dr\_partner}] - Target Type (privilege: advanced)**

Selects targets with the specified target type.

**-label <text> - User Defined Identifier (privilege: advanced)**

Specifies the label of the target to be removed.

## Examples

The following example adds and connects to an iSCSI target from the specified *node* .

```
cluster1::*> storage iscsi-initiator remove-target -node node1
               -label target1
```

## storage iscsi-initiator show

Display the iSCSI targets

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

### Description

The `storage iscsi-initiator show` displays the list of iSCSI targets configured for each ONTAP node in the cluster. This command is only supported on high-availability shared-nothing virtualized platforms.

### 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` ] (privilege: advanced) }**

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

**[`-node {<nodename>|local}`] - Node (privilege: advanced)**

Represents the name of the ONTAP node for which information is to be displayed. If this parameter is not specified, the command displays information about all nodes in the cluster.

**[`-target-type {external|mailbox|partner|partner2|dr_auxiliary|dr_partner}`] - Target Type (privilege: advanced)**

Selects targets with the specified target type.

**[`-label <text>`] - User Defined Identifier (privilege: advanced)**

Selects targets with the specified label.

**[`-target-portal <text>`] - Target Portal (privilege: advanced)**

Selects targets with the specified portal.

**[`-target-name <text>`] - iSCSI Name (privilege: advanced)**

Selects targets with the specified target name.

**[`-status-admin {down|up}`] - Administrative Status (privilege: advanced)**

Selects targets with the specified administrative status.

**[`-status-oper {down|up}`] - Operational Status (privilege: advanced)**

Selects targets with the specified operational status.

**[`-failure-reason <text>`] - Failure Reason (privilege: advanced)**

Selects targets with the specified failure reason.

## Examples

The following example displays the list of iSCSI targets for each node in the cluster.

```
cluster1::*> storage iscsi-initiator show

Status
Node Type Label      Target Portal      Target Name
Admin/Op
-----
node1
  mailbox
    mediator 10.235.14.141    iqn.2012-05.local:mailbox.group.1
up/up
  partner
    partner 10.63.7.205:65200 iqn.2012-06.com.bsdctl:target0
up/up
node2
  mailbox
    mediator 10.235.14.141    iqn.2012-05.local:mailbox.group.1
up/up
  partner
    partner 10.63.7.201:65200 iqn.2012-06.com.bsdctl:target0
up/up
4 entries were displayed.
```

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