



# **storage iscsi-initiator commands**

## **ONTAP 9.3 commands**

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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**

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

**-label <text> - User Defined Identifier**

Specifies a label for the target to be added.

**-target-type {external|mailbox|partner|dr\_auxiliary|dr\_partner} - Target Type**

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**

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**

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

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

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**

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

**[-target-type {external|mailbox|partner|dr\_auxiliary|dr\_partner}] - Target Type**

Selects targets with the specified target type.

**-label <text> - User Defined Identifier**

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

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

**[-target-type {external|mailbox|partner|dr\_auxiliary|dr\_partner}]** - Target Type

Selects targets with the specified target type.

**-label <text>** - User Defined Identifier

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

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

**[-target-type {external|mailbox|partner|dr\_auxiliary|dr\_partner}]** - Target Type

Selects targets with the specified target type.

**-label <text>** - User Defined Identifier

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 Data 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 ] }**

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

**[-node {<nodename>|local}] - Node**

Represents the name of the Data 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|dr\_auxiliary|dr\_partner}] - Target Type**

Selects targets with the specified target type.

**[-label <text>] - User Defined Identifier**

Selects targets with the specified label.

**[-target-portal <text>] - Target Portal**

Selects targets with the specified portal.

**[-target-name <text>] - iSCSI Name**

Selects targets with the specified target name.

**[-status-admin {down|up}] - Administrative Status**

Selects targets with the specified administrative status.

**[-status-oper {down|up}] - Operational Status**

Selects targets with the specified operational status.

**[-failure-reason <text>] - Failure Reason**

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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