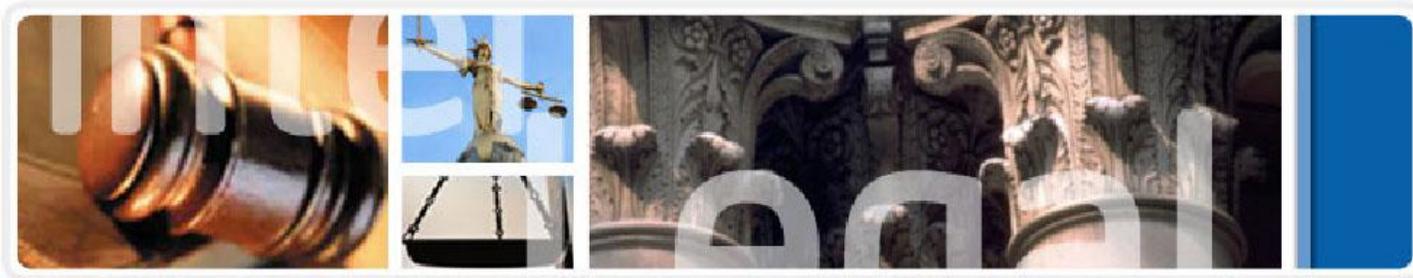


Managing Lustre\* with Intel® Manager for Lustre\*



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# Module Overview

Start and Stop a File System

Add Capacity to a File System

- Add MDTs for additional Metadata Storage / DNE
- Add OSTs for additional Block Storage

Failover / Fail Back a Storage Target

Failover all Targets on a Server

Remove an OST from the File System

# Reference File System

- Some text indicating that this is the starting file system
- Subsequent “managing” will be done using the reference file system

The screenshot displays the 'File System ee' management console. At the top, the 'Overview' section shows system details: Management Server (ee-oss1.bottlec.com), MD7913, OS (RHEL), and Address (192.168.1.100). It also features two green progress indicators and storage statistics: 152MB/11.7GB and 2202 62M files. Below this are buttons for 'Update Advanced Settings' and 'View Client Mount Instructions'.

The 'Management Target' section contains a table with the following data:

Name	Volume	Primary server	Follower server	Started on	Actions
MT3	10000	ee-oss1.bottlec.com	ee-oss2.bottlec.com	ee-oss1.bottlec.com	Actions

The 'Metadata Target' section contains a table with the following data:

Name	Volume	Primary server	Follower server	Started on	Actions
MD10000	20000	ee-oss1.bottlec.com	ee-oss2.bottlec.com	ee-oss1.bottlec.com	Actions

The 'Object Storage Targets' section contains a table with the following data:

Name	Volume	Primary server	Follower server	Started on	Actions
ee-OST000	30000	ee-oss1.bottlec.com	ee-oss2.bottlec.com	ee-oss1.bottlec.com	Actions
ee-OST001	30000	ee-oss1.bottlec.com	ee-oss2.bottlec.com	ee-oss2.bottlec.com	Actions
ee-OST002	30000	ee-oss1.bottlec.com	ee-oss2.bottlec.com	ee-oss1.bottlec.com	Actions
ee-OST003	30000	ee-oss2.bottlec.com	ee-oss1.bottlec.com	ee-oss2.bottlec.com	Actions



## Start and Stop a File System

# Stop File System - File Systems Overview

 File Systems

File System Configuration

[Create File System](#)

Current File Systems

File System	Management Server	Metadata Server Count	Connected Clients	Size	Free	Actions
ee	ee-mds.brettle.com	1	0	11.7GB	11.6GB	 

[Remove](#)

[Stop](#)

# Stop File System - Per-File System View

## File System ee

Overview

Management Server: [ee-mds.brettlee.com](#)  
MDTs: 1  
OSTs: 4  
Alerts: ✔ No alerts  
Actions: Actions ▾

Update Advance Remove Stop Mount Information

132MB/11.7GB 220/2.62M files

### Management Target

Show 10 ▾ entries

Name	Volume	Primary server	Failover server	Started on	
MGS	100000	<a href="#">ee-mds.brettlee.com</a>	<a href="#">ee-mgs.brettlee.com</a>	<a href="#">ee-mds.brettlee.com</a>	<span>Actions ▾</span> <span style="color: green;">✔</span>

Showing 1 to 1 of 1 entries

# Stop File System - Per-File System View (cont.)

**File System ee**

Overview

Management Server: ee-nds.brettle.com  
MDT: 1  
OST: 4  
Alerts: ✔ no alerts  
Actions: Actions ▾

132MB/11.7GB 220/2.62M files

Update Advanced Settings View Client Mount Information

Management Target

Name	Volume	Started on	Actions
MGS	100C00	es-nds.brettle.com	<span>Actions ▾</span> <span>✔</span>

Showing 1 to 1 of 1 entries

Metadata Target

+ Create MDT (DNE)

Name	Volume	Primary server	Failover server	Started on	Actions
ee-MDT000	200C00	ee-nds.brettle.com	ee-nds.brettle.com	es-mgs.brettle.com	<span>Actions ▾</span> <span>✔</span>

Showing 1 to 1 of 1 entries

**Stop file system ee**

This action has the following consequences:

- Stop target ee-OST0001
- Make file system ee unavailable
- Stop target ee-OST0002
- Stop target ee-MDT0000
- Stop target ee-OST0000
- Stop target ee-OST0003

Cancel Confirm

# Stop File System - Per-File System View (cont.)

The screenshot displays the File System management interface. At the top, the 'Overview' section shows the Management Server (cc-mds.lustre.com), VDTs (1), OSTs (4), and Alerts (5 alerts). It also indicates 132M/11.7GB and 220/2.62M files. Below this are buttons for 'Upgrade Advanced Settings' and 'View Client Mount Information'. The 'Management Target' section contains a table with one entry: MDS. The 'Metadata Target' section has a 'Create MDT (DMC)' button and a table with one entry: md01. The 'Object Storage Targets' section has a 'Create OST' button and a table with four entries: cc-OST000, cc-OST001, cc-OST002, and cc-OST003. Each entry in the tables lists Name, Volume, Primary server, Failover server, Started on, and an Actions column with a red error icon.

**Management Target**

Name	Volume	Primary server	Failover server	Started on	Actions
MDS	100000	cc-mds.lustre.com	cc-mds.lustre.com	cc-mds.lustre.com	Actions + ✓

**Metadata Target**

Name	Volume	Primary server	Failover server	Started on	Actions
md01	700001	cc-mds.lustre.com	cc-mds.lustre.com	--	Actions + ⚠

**Object Storage Targets**

Name	Volume	Primary server	Failover server	Started on	Actions
cc-OST000	300000	cc-ost1.lustre.com	cc-ost2.lustre.com	--	Actions + ⚠
cc-OST001	300001	cc-ost1.lustre.com	cc-ost2.lustre.com	--	Actions + ⚠
cc-OST002	300002	cc-ost1.lustre.com	cc-ost2.lustre.com	--	Actions + ⚠
cc-OST003	300003	cc-ost1.lustre.com	cc-ost2.lustre.com	--	Actions + ⚠

# Stop MGS

## File System ee

Overview

Management Server: [ee-mds.brettlee.com](#)  
MDTs: 1  
OSTs: 4  
Alerts: ! 5 alerts  
Actions: [Actions](#)

132MB/11.7GB 220/2.62M files

[Update Advanced Settings](#) [View Client Mount Information](#)

### Management Target

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
MGS	100000	<a href="#">ee-mds.brettlee.com</a>	<a href="#">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	<a href="#">Actions</a> <span style="color: green;">✓</span>

Showing 1 to 1 of 1 entries

Stop

Failover

# Restart File System - File Systems Overview

## File Systems

File System Configuration

Create File System

Current File Systems

File System	Management Server	Metadata Server Count	Connected Clients	Size	Free	
ee	ee-mds.brettle.com	1	0	11.7GB	11.6GB	Actions 

Start

Remove

# Restart File System - Per-File System View

**File System ee**

**Overview**

Management Server: [ee-mds.brettlbc.com](#)  
MDTs: 1  
OSTs: 4  
Alerts: ! 6 alerts

Actions: Start Remove

132MB/11.7GB 220/2.62M files

Update Advance Mount Information

**Management Target**

Show 10 entries

Name	Volume	Primary server	Fallover server	Started on	Actions
MGS	100000	ee-mds.brettlbc.com	ee-mgs.brettlbc.com	---	<span>!</span>

Showing 1 to 1 of 1 entries

**Metadata Target**

Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Fallover server	Started on	Actions
cc-MDT0000	200000	ee-mgs.brettlbc.com	ee-mds.brettlbc.com	---	<span>!</span>

Showing 1 to 1 of 1 entries



Add Capacity to a File System

# Add Capacity - MDT

## Management Target

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
MGS	100000	ee-mds.brettle.com	ee-mgs.brettle.com	ee-mds.brettle.com	Actions ✓

Showing 1 to 1 of 1 entries

## Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
ee-MDT0000	200000	ee-mgs.brettle.com	ee-mds.brettle.com	ee-mgs.brettle.com	Actions ✓

Showing 1 to 1 of 1 entries

# Add Capacity - Create MDT

Management Target

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
MGS	100000	ee-mds.brettle.com	ee-mgs.brettle.com	ee-mds.brettle.com	Actions ✓

Showing 1 to 1 of 1 entries

Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
ee-MDT0000	200000	ee-mgs.brettle.com	ee-mgs.brettle.com	ee-mgs.brettle.com	Actions ✓

Showing 1 to 1 of 1 entries

Create MDT

Select All Invert Selection Select None Search:

	Name	Capacity	Type	Status	Primary server	Failover server
<input checked="" type="checkbox"/>	200001	5GB	SCSI device	configured-ha	ee-mds.brettle.com	ee-mgs.brettle.com

Select All Invert Selection Select None

Create Cancel

# New MDT Started - Status View

The screenshot displays a 'Status' window with a blue header. Below the header is a navigation bar with buttons for 'All', 'Alerts', 'Commands', 'Events', and 'Dismiss all'. To the right of these buttons are 'Current' and 'History' tabs. The main content area shows a list of three events, each with a colored background and a 'Dismiss' button. The first event is blue (Info), the second is yellow (Warning), and the third is green (Complete). Each event includes a timestamp of '03/04/2016 15:24' and specific details about the host and event type.

Severity	Timestamp	Host	Event/Alert/Command	Actions
Info	03/04/2016 15:24	ee-mds.brettlee.com	Event: ee-MDT0001 started	Dismiss
Warning	03/04/2016 15:24	ee-MDT0001	Alert: Target ee-MDT0001 offline	Dismiss
Complete	03/04/2016 15:24		Command: Creating ee-MDT0001	Detail, Dismiss

# New MDT Started - File System View

Management Target

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
MGS	100000	<a href="#">ee-mds.brettle.com</a>	<a href="#">ee-mgs.brettle.com</a>	ee-mds.brettle.com	Actions	✓

Showing 1 to 1 of 1 entries

Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-MDT0000</a>	200000	<a href="#">ee-mgs.brettle.com</a>	<a href="#">ee-mds.brettle.com</a>	ee-mgs.brettle.com	Actions	✓
<a href="#">ee-MDT0001</a>	200001	<a href="#">ee-mds.brettle.com</a>	<a href="#">ee-mgs.brettle.com</a>	ee-mds.brettle.com	Actions	✓

Showing 1 to 2 of 2 entries

# Intel® Manager for Lustre\* Supports Multiple MDTs

Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Falover server	Started on		
<a href="#">ee-MDT0000</a>	200000	<a href="#">ee-mgs.brettlee.com</a>	<a href="#">ee-mds.brettlee.com</a>	ee-mgs.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0001</a>	200001	<a href="#">ee-mds.brettlee.com</a>	<a href="#">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0002</a>	200002	<a href="#">ee-mgs.brettlee.com</a>	<a href="#">ee-mds.brettlee.com</a>	ee-mgs.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0003</a>	200003	<a href="#">ee-mds.brettlee.com</a>	<a href="#">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0004</a>	200004	<a href="#">ee-mgs.brettlee.com</a>	<a href="#">ee-mds.brettlee.com</a>	ee-mgs.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0005</a>	200005	<a href="#">ee-mds.brettlee.com</a>	<a href="#">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0006</a>	200006	<a href="#">ee-mgs.brettlee.com</a>	<a href="#">ee-mds.brettlee.com</a>	ee-mgs.brettlee.com	Actions ▾	✓
<a href="#">ee-MDT0007</a>	200007	<a href="#">ee-mds.brettlee.com</a>	<a href="#">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	Actions ▾	✓

Showing 1 to 8 of 8 entries

# Add Capacity - OST

**Create OST** ✕

Select All Invert Selection Select None Search:

	Name	Capacity	Type	Status	Primary server	Failover server
<input checked="" type="checkbox"/>	300004	5GB	SCSI device	configured-ha	ee-oss1.brettle.com	ee-oss2.brettle.com
<input checked="" type="checkbox"/>	300005	5GB	SCSI device	configured-ha	ee-oss2.brettle.com	ee-oss1.brettle.com

Select All Invert Selection Select None

Create Cancel

---

### Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
ee-OST0000	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions <input checked="" type="checkbox"/>
ee-OST0001	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions <input checked="" type="checkbox"/>
ee-OST0002	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions <input checked="" type="checkbox"/>
ee-OST0003	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions <input checked="" type="checkbox"/>

Showing 1 to 4 of 4 entries

# Add Capacity - OSTs Being Created

Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-OST0000</a>	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
<a href="#">ee-OST0001</a>	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions	✓
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions	✓
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	---		✓ ↻
<a href="#">ee-OST0005</a>	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	---		✓ ↻

Showing 1 to 6 of 6 entries

# Add Capacity - OSTs Created

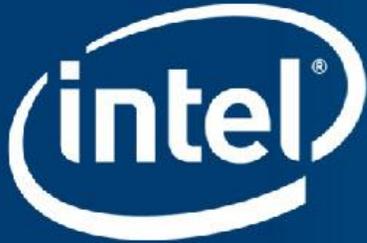
## Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Fallover server	Started on		
<a href="#">ee-OST0000</a>	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0001</a>	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0005</a>	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓

Showing 1 to 6 of 6 entries



## Failover and Fail Back a Storage Target

# Failover a Storage Target

Management Target

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
MGS	100000	<a href="#">ee-mds.brettle.com</a>	<a href="#">ee-mgs.brettle.com</a>	ee-mds.brettle.com	Actions	✓

Showing 1 to 1 of 1 entries

Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-MDT0000</a>	200000	<a href="#">ee-mgs.brettle.com</a>	<a href="#">ee-mds.brettle.com</a>	ee-mgs.brettle.com	Actions	✓
<a href="#">ee-MDT0001</a>	200001	<a href="#">ee-mds.brettle.com</a>	<a href="#">ee-mgs.brettle.com</a>	ee-mds.brettle.com	Stop Failover	

Showing 1 to 2 of 2 entries

# Storage Target - Failed Over

## Management Target

Show 10 entries

Name	Volume	Primary server	Fallover server	Started on		
MGS	100000	<a href="#">ee-mds.brettle.com</a>	<a href="#">ee-mgs.brettle.com</a>	ee-mds.brettle.com	Actions	✓

Showing 1 to 1 of 1 entries

## Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Fallover server	Started on		
ee-MDT0000	200000	<a href="#">ee-mgs.brettle.com</a>	<a href="#">ee-mds.brettle.com</a>	ee-mds.brettle.com	Actions	!
ee-MDT0001	200001	<a href="#">ee-mds.brettle.com</a>	<a href="#">ee-mgs.brettle.com</a>	ee-mds.brettle.com	Actions	✓

Showing 1 to 2 of 2 entries

# Failing Back a Storage Target

Management Target

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
MGS	100000	<a href="http://ee-mds.brettlee.com">ee-mds.brettlee.com</a>	<a href="http://ee-mgs.brettlee.com">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	Actions

Showing 1 to 1 of 1 entries

Metadata Target

+ Create MDT (DNE)

Show 10 entries

Name	Volume	Primary server	Failover server	Started on	
<a href="#">ee-MDT0000</a>	200000	<a href="http://ee-mgs.brettlee.com">ee-mgs.brettlee.com</a>	<a href="http://ee-mds.brettlee.com">ee-mds.brettlee.com</a>	ee-mds.brettlee.com	Actions
<a href="#">ee-MDT0001</a>	200001	<a href="http://ee-mds.brettlee.com">ee-mds.brettlee.com</a>	<a href="http://ee-mgs.brettlee.com">ee-mgs.brettlee.com</a>	ee-mds.brettlee.com	Actions

Showing 1 to 2 of 2 entries

Stop

Failback



Failover All Storage Targets on a Server

# Failover All Storage Targets - Via Shutdown

**Servers**

Filter by Hostname / Hostlist Expression ?

Standard

Entries: 10 ▾

Hostname ▾	Status	Profile	LNNet State	Configure LNNet	Actions
ee-mds	✓	Managed Storage Server	LNNet Up	<a href="#">Configure ⚙</a>	<a href="#">Actions ▾</a>
ee-mgs	✓	Managed Storage Server	LNNet Up	<a href="#">Configure ⚙</a>	<a href="#">Actions ▾</a>
ee-oss1	✓	Managed Storage Server	LNNet Up	<a href="#">Configure ⚙</a>	<a href="#">Actions ▾</a>
ee-oss2	✓	Managed Storage Server	LNNet Up	<a href="#">Configure ⚙</a>	<a href="#">Actions ▾</a>

[Add More Servers](#)

**Server Actions**

[Detect File Systems](#) [Re-write Target Configuration](#) [Install Updates](#)

- Reboot
- Shutdown
- Stop LNNet
- Unload LNNet
- Remove
- Force Remove



# Failover All Storage Targets - Confirm Shutdown

The screenshot shows the Intel Server Configuration web interface. A modal dialog box is open, titled "Confirm Shutdown(ee-oss2.brettle.com)". The dialog contains the following text: "Initiate an orderly shutdown on the host. Any HA-capable targets running on the host will be failed over to a peer. Non-HA-capable targets will be unavailable until the host has been restarted." At the bottom of the dialog are two buttons: "Confirm" (green) and "Cancel" (red).

The background interface shows a "Servers" section with a filter input and a table of server entries. The table has columns for Hostname, Status, Profile, LNet State, Configure LNet, and Actions.

Hostname	Status	Profile	LNet State	Configure LNet	Actions
ee-mds	✓	Managed Storage Server	✓ LNet Up	Configure ⚙️	Actions ▾
ee-mgs	✓	Managed Storage Server	✓ LNet Up	Configure ⚙️	Actions ▾
ee-oss1	✓	Managed Storage Server	✓ LNet Up	Configure ⚙️	Actions ▾
ee-oss2	✓	Managed Storage Server	✓ LNet Up	Configure ⚙️	Disabled

# Failover All Storage Targets - Shutdown Status

The screenshot displays the Intel Server Configuration web interface. A modal window titled "Commands" is open, showing the details of a successful shutdown command. The background interface includes a navigation menu with "Server Configuration", a "Servers" section with a filter and a table of server statuses, and an "Actions" section with several buttons.

**Commands Modal:**

- Title:** Commands
- Command:** Shutdown(ee-oss2.brettlee.com) - Mar 04 2016 16:24:03
- Details:**
  - Created At:** Mar 04 2016 16:24:03
  - Status:** Succeeded
- Jobs:**
  - Initiate an orderly shutdown on host ee-oss2.brettlee.com
- Logs:**

```
shut down host ee-oss2.brettlee.com
```
- Close:** A red button with a white close icon.

**Background Interface:**

- Navigation:** intel, Dashboard, Configuration, Alerts, Users, Help, Status, 2.3.0.0, Brett, Logout
- Server Configuration:** Filter by Hostname / Hostlist Expression, Enter hostname / hostlist expression, Create: 10
- Servers Table:**

Hostname	Status
ee-mids	✓
ee-migs	✓
ee-oss1	✓
ee-oss2	✓
- Actions:** Standard, Actions +, Actions -, Actions -, Disabled
- Server Actions:** Add More Servers

# Failover All Storage Targets - Target Status

## Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-OST0000</a>	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
<a href="#">ee-OST0001</a>	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss1.brettle.com	Actions	!
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss1.brettle.com	Actions	!
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
<a href="#">ee-OST0005</a>	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss1.brettle.com	Actions	!

Showing 1 to 6 of 6 entries

Back To File Systems

# Failover All Storage Targets - Target Status (cont.)

The screenshot displays the Intel Management Engine (IME) Status page. The top navigation bar includes links for Dashboard, Configuration, Alerts, History, Logs, Help, and Status, along with the version number 2.3.0.0 and a Logout button. The main heading is 'Status'. Below this, there are tabs for 'All', 'Alerts', 'Commands', 'Events', and 'Details all', with 'Alerts' currently selected. A sub-tab for 'Current' is also visible. The main content area lists several alerts and events, each with a timestamp, host name, and description. The alerts are color-coded: yellow for warnings and blue for information. The last entry is a green command execution.

Timestamp	Host	Alert/Event	Action
03/04/2016 18:23	Host: ee-ss2.braille.com	Alert: Lost contact with host ee-ss2.braille.com	Details
03/04/2016 18:24	Host: ee-ss2.braille.com	Event: Target ee-CST0007 completed recovery	Details
03/04/2016 18:24	Host: ee-ss2.braille.com	Event: Target ee-CST0003 completed recovery	Details
03/04/2016 18:24	Host: ee-ss2.braille.com	Event: Target ee-CST0001 completed recovery	Details
03/04/2016 18:24	Host: ee-ss2.braille.com	Alert: Lost to offline ee-ss2.braille.com	Details
03/04/2016 18:23	Host: ee-CST0005	Alert: Target ee-CST0005 mirroring on secondary server	Details
03/04/2016 18:23	Host: ee-CST0006	Alert: Target ee-CST0006 in recovery	Details
03/04/2016 18:23	Host: ee-CST0008	Alert: Target ee-CST0008 mirroring on secondary server	Details
03/04/2016 18:23	Host: ee-CST0003	Alert: Target ee-CST0003 in recovery	Details
03/04/2016 18:23	Host: ee-CST0004	Alert: Target ee-CST0004 in recovery	Details
03/04/2016 18:24	Host: ee-CST0001	Alert: Target ee-CST0001 mirroring on secondary server	Details
03/04/2016 18:24	Command: Shutdown(ee-ss2.braille.com)		Details



Fail Back All Storage Targets on a Server

# Fail Back Storage Targets - OSS2 Back in Service

The screenshot shows a monitoring dashboard with a dark header containing the Intel logo and navigation links: Dashboard, Configuration, Alerts, History, Logs, Help, Status (with a notification badge), 2.3.0.0, Brett, and Logout. Below the header is a blue bar with the word "Status" and a globe icon. A secondary navigation bar includes tabs for All, Alerts, Commands, Events, Dismiss all, Current, and History. The main content area displays a list of four events for the host "ee-oss2.bretlee.com":

Severity	Timestamp	Event Description	Action
Info	03/04/2016 16:33	Host: ee-oss2.bretlee.com Event: Re-established contact with host ee-oss2.bretlee.com	Dismiss
Warning	03/04/2016 16:33	Host: ee-oss2.bretlee.com Event: ee-oss2.bretlee.com restarted at 2016-03-04 18:32:42+00:00	Dismiss
Info	03/04/2016 16:33	Host: ee-oss2.bretlee.com Event: Host is back online ee-oss2.bretlee.com	Dismiss
Warning	03/04/2016 16:25	Host: ee-oss2.bretlee.com Alert: Lost contact with host ee-oss2.bretlee.com	Dismiss

# Fail Back Storage Targets - Individually

Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
ee-OST0000	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
ee-OST0001	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss1.brettle.com	Actions	!
ee-OST0002	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
ee-OST0003	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss1.brettle.com	Actions	!
ee-OST0004	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions	✓
ee-OST0005	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss1.brettle.com	Actions	!

Showing 1 to 6 of 6 entries

Back To File Systems

- Remove
- Stop
- Failback

# Fail Back Storage Targets - Complete

## Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-OST0000</a>	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0001</a>	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0005</a>	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓

Showing 1 to 6 of 6 entries

Back To File Systems



Remove an OST from the File System

# Remove an OST

## Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-OST0000</a>	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0001</a>	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0005</a>	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓

Showing 1 to 6 of 6 entries

Back To File Systems

- Remove
- Stop
- Failover

# Remove an OST - Confirm

Object Storage Targets

[+ Create OST](#)

Show **10** entries

Name	Volume	er	Started on		
<a href="#">ee-OST0000</a>	300000	.com	ee-oss1.brettle.com	Actions	✓
<a href="#">ee-OST0001</a>	300001	.com	ee-oss2.brettle.com	Actions	✓
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ✓
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ✓
<a href="#">ee-OST0005</a>	300005	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ✓

Showing 1 to 6 of 6 entries

[Back To File Systems](#)

Remove target ee-OST0005 from configuration

This action has the following consequences:

- Stop target ee-OST0005

Cancel Confirm

# Remove an OST - Removed

## Object Storage Targets

+ Create OST

Show 10 entries

Name	Volume	Primary server	Failover server	Started on		
<a href="#">ee-OST0000</a>	300000	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0001</a>	300001	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0002</a>	300002	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓
<a href="#">ee-OST0003</a>	300003	<a href="#">ee-oss2.brettle.com</a>	<a href="#">ee-oss1.brettle.com</a>	ee-oss2.brettle.com	Actions ▾	✓
<a href="#">ee-OST0004</a>	300004	<a href="#">ee-oss1.brettle.com</a>	<a href="#">ee-oss2.brettle.com</a>	ee-oss1.brettle.com	Actions ▾	✓

Showing 1 to 5 of 5 entries

Back To File Systems



## Summary

# Summary

Start and Stop a File System

Add Capacity to a File System

- Add MDTs for additional Metadata Storage / DNE
- Add OSTs for additional Block Storage

Failover / Fail Back a Storage Target

Failover all Targets on a Server

Remove an OST from the File System

Congratulations! You have completed:  
Managing Lustre\* with Intel® Manager for  
Lustre\*

