

Create OSD from Inventory page

Cluster >> Inventory

Devices

2. A new button 'Create OSD' is enabled when selecting an available device

Hostname	Device path	Type	Size	Rotates	Available	Model	OSD ID
node1	vda	hdd	20 GiB	false	false		
node3	vda	hdd	20 GiB	false	false		
node2	vda	hdd	20 GiB	false	false		
node1	vdb	hdd	20 GiB	false	false		0
node3	vdb	hdd	20 GiB	false	false		
node2	vdb	hdd	20 GiB	false	false		
node1	vdc	hdd	20 GiB	false	false		2
node3	vdc	hdd	20 GiB	false	false		
node2	vdc	hdd	20 GiB	false	false		1

1 selected / 9 total

Note

- Device list in **Cluster->hosts->Inventory tab** should work in the same way too

create OSD form

[Cluster](#) > [Inventory](#) > OSD Create

Create OSD

Host

Data device

show available HDDs/SSDs on host

Objectstore

DB Device

show available SSDs on host
if objectstore == 'filestore', ask for
Journal device instead

WAL Device

Features encrypted

Create OSD

Cancel

Discussion

- A DB/WAL SSD might be shared between multiple data devices.
- Allocating `slots` on a SSD.
- Can we know used/free slots?

Create OSD from OSD page

OSDs List

Overall Performance

2. A new button 'Create' is enabled when no OSD is selected**+ Create**

Cluster-wide configuration



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Host	ID	Status	PGs	Size	Usage	Read bytes	Writes bytes	Read ops	Write ops
node1	0	In up	0	19 GiB	5%			0 /s	0 /s
node2	1	In up	0	19 GiB	5%			0 /s	0 /s
node1	2	In up	0	19 GiB	5%			0 /s	0 /s

0 selected / 3 total

Create OSD(s)

1. Get started

How do you want to create OSD(s)?

Select devices

Creating OSDs by selecting devices with filters like Hostname, vendor, model, etc.

Drive Group specification

Manually entering Drive Group specification in JSON.

Next

Cancel

Create OSD(s)

- 1. Get started
- 2. Select data devices
- 3. Configure data devices

Data device configuration

Objectstore ▾

bluestore
filestore

>>

Features Encrypted

Compression

Create OSD(s)

1. Get started
2. Select data devices
3. Configure data devices

Data device configuration

Objectstore

Acceleration Configure WAL devices
 Configure DB devices

WAL Slots

DB Slots

Features Encrypted
 Compression

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Cancel

Create OSD(s)

1. Get started
2. Select data devices
3. Configure data devices
4. Configure WAL devices
5. Configure DB devices
6. Preview
7. Completed

OSD Preview

<input type="checkbox"/> Hostname ▲	Data device	WAL device	DB device
<input checked="" type="checkbox"/> osd-node1	AAA-BBB-xxx (sdc, HDD, 2 TiB)	AAA-BBB-yyy (sda, SSD, 512 GiB)	AAA-BBB-yyy (sdb, SSD, 512 GiB)
<input checked="" type="checkbox"/> osd-node1	AAA-BBB-xxx (sdd, HDD, 2 TiB)	AAA-BBB-yyy (sda, SSD, 512 GiB)	AAA-BBB-yyy (sdb, SSD, 512 GiB)
<input checked="" type="checkbox"/> osd-node1	AAA-BBB-xxx (sde, HDD, 2 TiB)	AAA-BBB-yyy (sda, SSD, 512 GiB)	AAA-BBB-yyy (sdb, SSD, 512 GiB)
<input checked="" type="checkbox"/> osd-node2	AAA-BBB-xxx (sdc, HDD, 2 TiB)	AAA-BBB-yyy (sda, SSD, 512 GiB)	AAA-BBB-yyy (sdb, SSD, 512 GiB)

4 selected / 4 total

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Create

Cancel

Create OSD(s)

1. Get started
2. Select data devices
3. Configure data devices
4. Configure WAL devices
5. Configure DB devices
6. Preview

Sending requests...



Done

Create OSD(s)

1. Get started
2. Select data devices
3. Configure data devices

Data device configuration

Objectstore

Acceleration Configure journal devices

Journal Slots

Features Encrypted

Compression

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6. Completed (filestore)

Create OSD(s)

1. Get started
2. Select data devices
3. Configure data devices
4. Configure WAL devices
5. Preview
6. Completed

Sending requests...



Done

Create OSD(s)

1. Get started
2. Input Drive Group Spec

Drive Group Specification (JSON format)

```
{  
  "host_pattern": "osd*",  
  "data_devices": {  
    "size": "2T",  
    "rotates": 1  
  }  
}
```

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Note

- DriveGroupSpec should be validated

4. Completed

Create OSD(s)

1. Get started
2. Input Drive Group Specifications
3. Preview
4. Completed

Sending requests...



Done

Remove OSD (TBD)

Replace OSD (TBD)