



Storage Profiles

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Storage Profiles

With Cisco UCS M-Series modular servers, storage is centralized per chassis, and this centralized storage is shared by all servers in the chassis. Storage profiles allow you to do the following:

- Configure multiple virtual drives and select the physical drives that are used by a virtual drive.
- Configure the storage capacity of a virtual drive.
- Configure the number, type and role of disks in a disk group.
- Associate a storage profile with a service profile.

Creating or Editing a Storage Profile



Note Storage profiles in Cisco UCS Central release 1.3 are supported only with Cisco UCS M-Series Modular Servers.

Step 1 In the Task bar, type **Create Storage Profile** and press Enter.
This launches the **Create Storage Profile** dialog box.

Step 2 In **Basic**, click **Organization** and select the location in which you want to create the storage profile.

Step 3 Enter the **Name** and optional **Description**.
The name is case sensitive.

Step 4 In **Local Luns**, do the following:
a) Click **Add** to add a new local LUN.

- b) In the **Basic** tab, enter the size in GB.
 - c) In the **Disk Group** tab, select the **Disk Group Configuration Policy**.
- You can use the up and down arrows to change the order of the local LUNs.

Step 5 Click **Create**.

Disk Group Configuration Policy

Servers in a chassis can use storage that is centralized in that chassis. You can select and configure the disks to be used for storage. A logical collection of these physical disks is called a disk group. Disk groups allow you to organize local disks. The storage controller controls the creation and configuration of disk groups.

A disk group configuration policy defines how a disk group is created and configured. The policy specifies the RAID level to be used for the disk group. It also specifies either a manual or an automatic selection of disks for the disk group, and roles for disks.

Creating or Editing a Disk Group Configuration Policy

- Step 1** In the Task bar, type **Create Disk Group Configuration Policy** and press Enter.
This launches the **Create Disk Group Configuration Policy** dialog box.
- Step 2** In **Basic**, click **Organization** and select the location in which you want to create the disk group configuration policy.
- Step 3** Enter the **Name** and optional **Description**.
The name is case sensitive.
- Step 4** Select the **Raid Level**.
This can be one of the following:
- **Platform Default**
 - **Simple**
 - **RAID**
 - **RAID 0 Striped**
 - **RAID 1 Mirrored**
 - **RAID 5 Striped Parity**
 - **RAID 6 Striped Dual Parity**
 - **RAID 10 Mirrored & Striped**
 - **RAID 50 Striped Parity & Striped**
 - **RAID 60 Striped Dual Parity & Striped**

- Step 5** In **Disk Group**, select the **Drive Type**, type values for the drive information, and choose whether to use the remaining disks.
- Step 6** In **Virtual Drive** icon, complete the fields as necessary.
- Step 7** Click **Create**.
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