Configure Boot from Local Storage in Intersight Manage Mode (IMM)

Contents

Introduction

This document describes the configuration to boot from local storage with **MRAID/HDD and M.2 Controller** on **Intersight Managed Mode** (IMM) servers.

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Prerequisites

Requirements

Cisco recommends knowledge of these topics:

- Intersight
- Local Boot
- Local Storage Devices (HDD/SSD and M.2 Drives)

- Knowledge of **Redundant Array of Independent Disks (RAID)** configuration

Components used

The information in this document is based on these software and hardware versions:

- **Cisco UCS 6454 Fabric Interconnect**, firmware 4.2(1e)
- UCSB-B200-M5 blade server, firmware 4.2(1a)
- **Intersight software as a service** (SaaS)
- Storage Controllers MRAID, MSTOR-RAID

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.
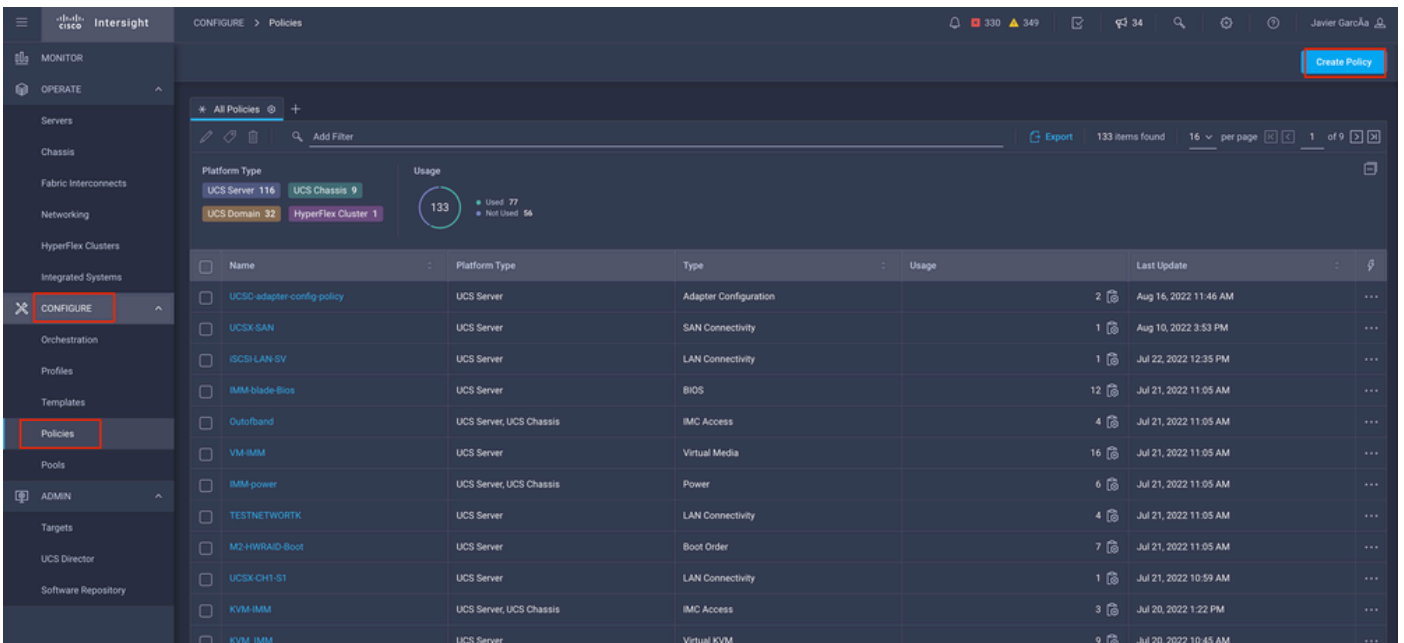
Configure

Local Storage MRAID - HDD

Step 1. Identify the controller installed in the Server and slot ID.

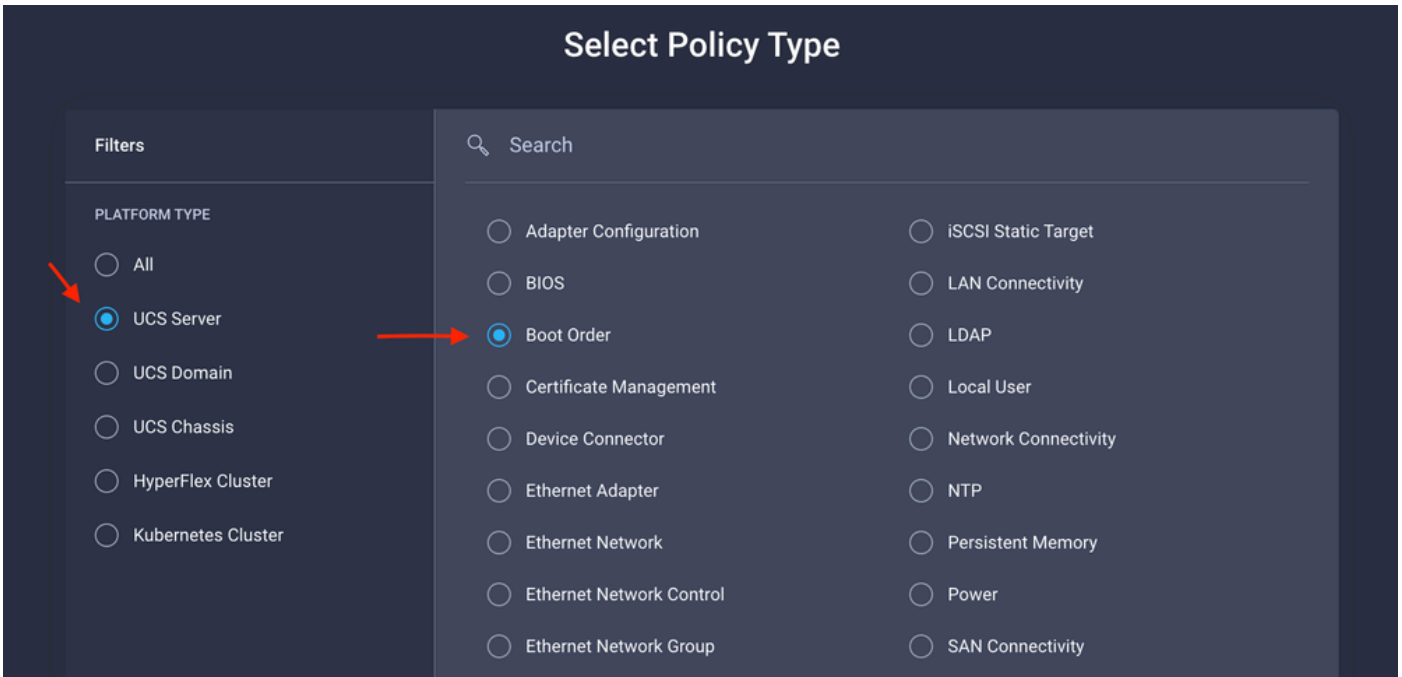Navigate to **Servers >** *[server name]* **> Inventory > Storage Controllers.** Take note of the ID.
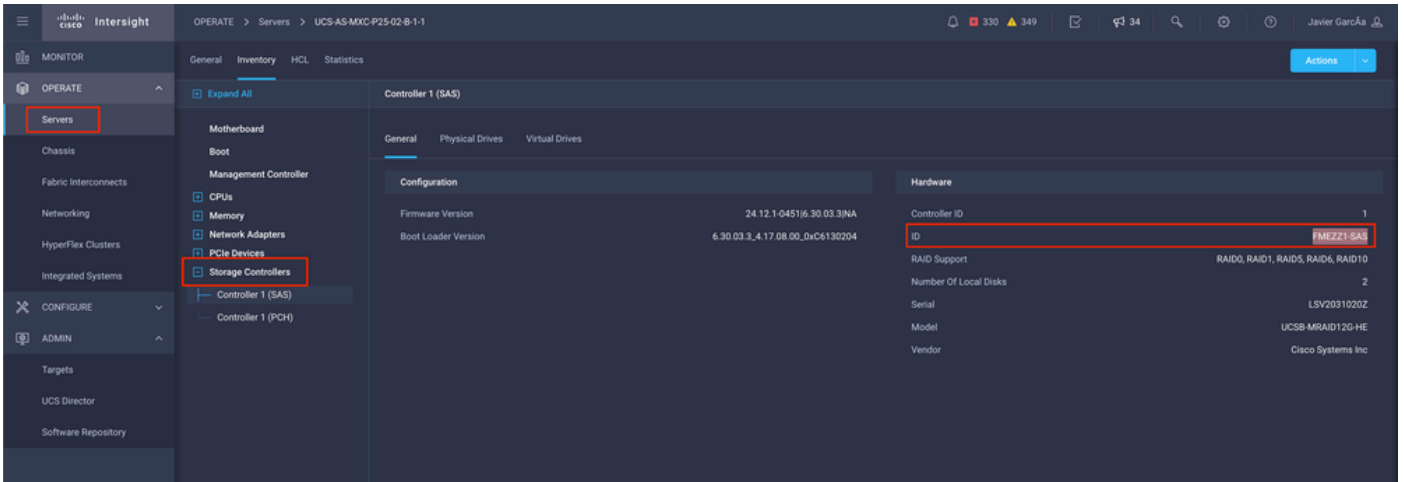
Step 2. Create **Boot Order Policy**:

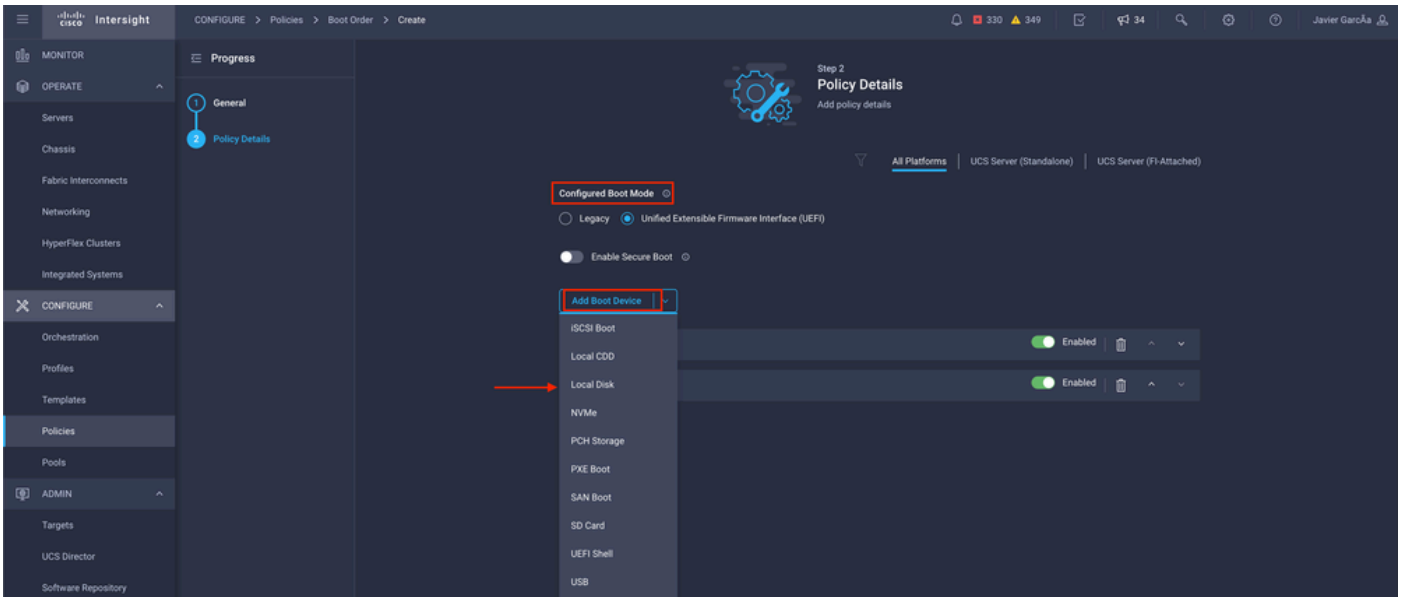Navigate to **Policies > Create Policy > UCS Server > Boot Order**
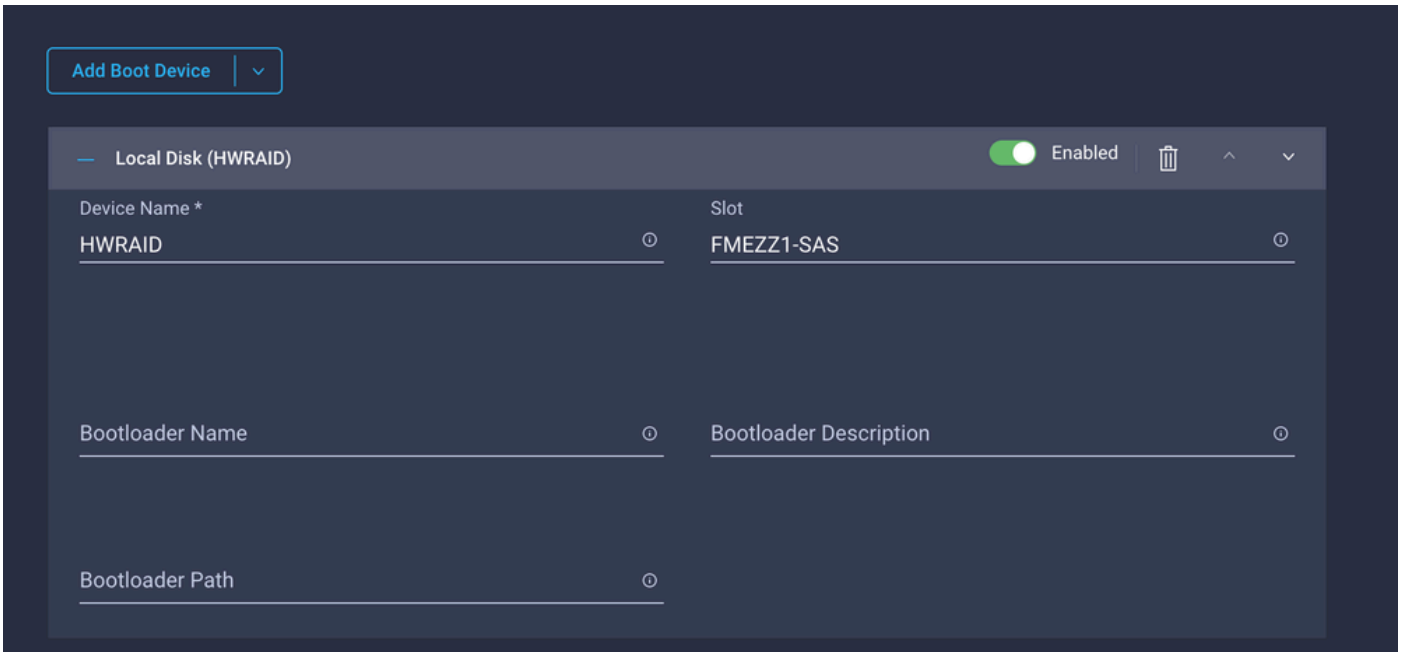

Select **UCS server** and **Boot order**

Configure **Policy Organization, Name,** and **Description.**

Add **local Disk boot option,** select **Legacy** or **Unified Extensible Firmware Interface (UEFI).**

Configure the **Device Details:**

- **Device Name** is the name for reference on the Policy.
- **Slot** is the ID saved from **Step 1.**
- **Bootloader** fields (optional).

Add Virtual Media option to install the .iso image.
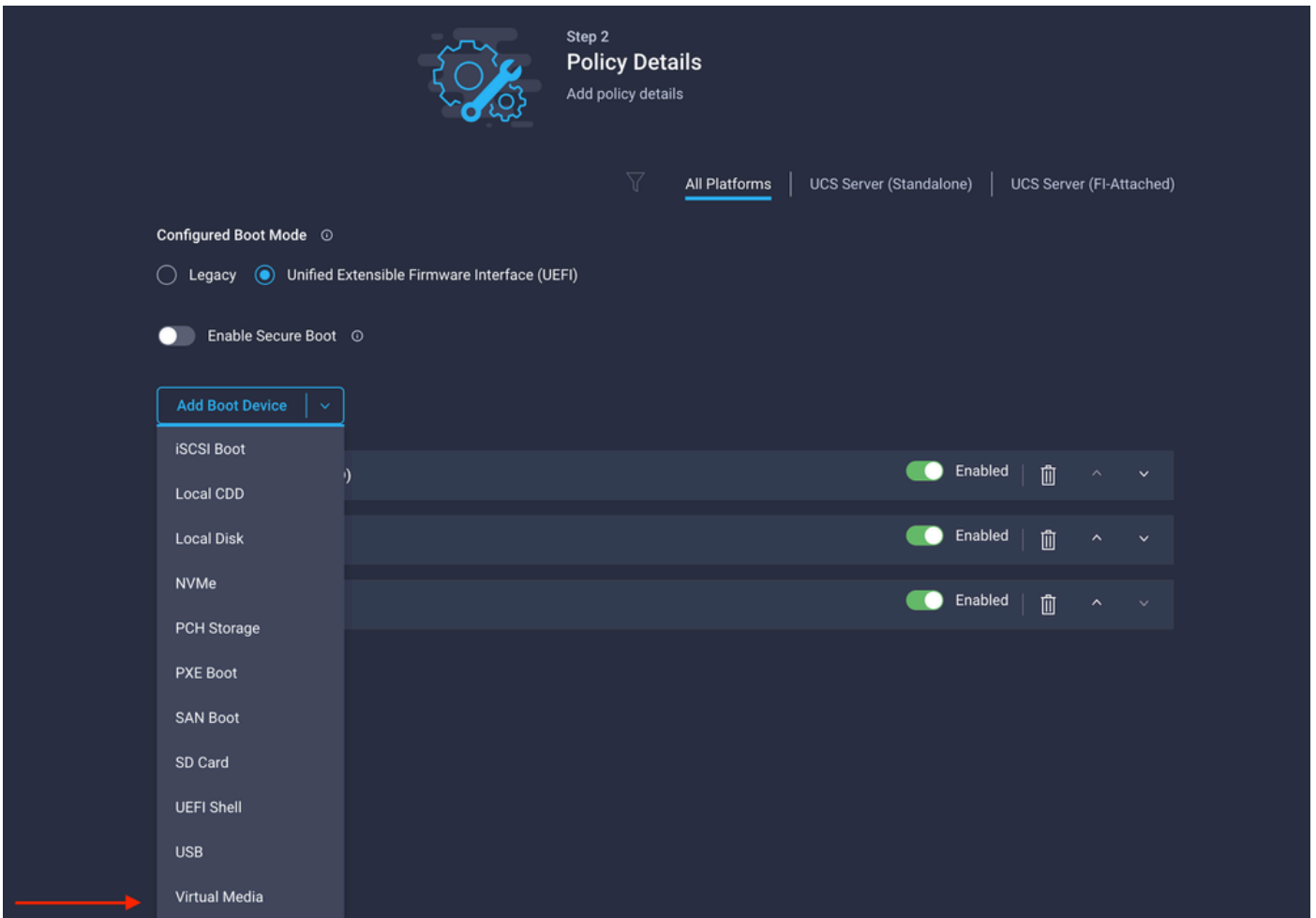
Configure **Device Name** and **Type.**

Step 3. Create **Storage Policy**

Name the **Storage Policy** and enable the **MRAID/RAID Controller Configuration.**
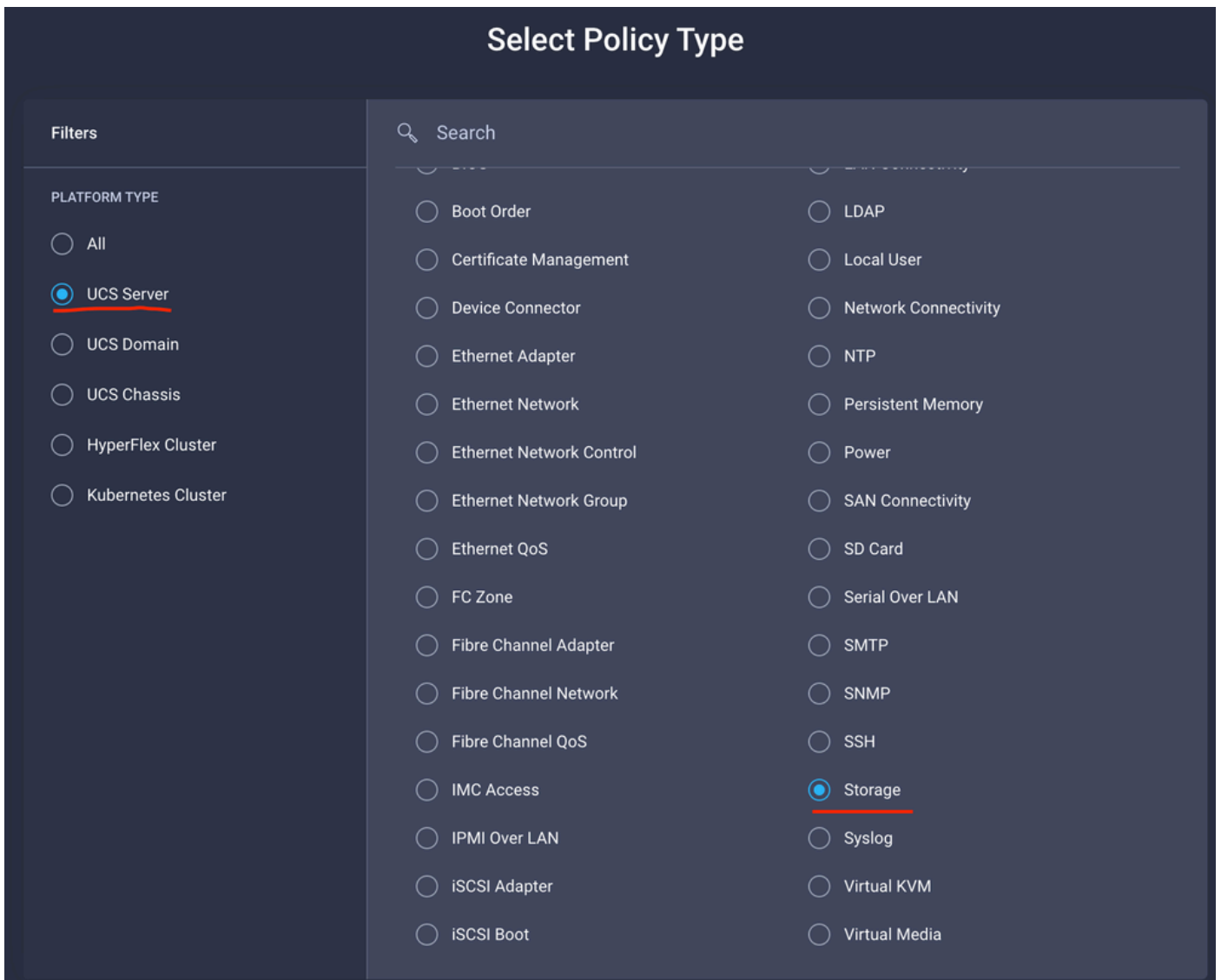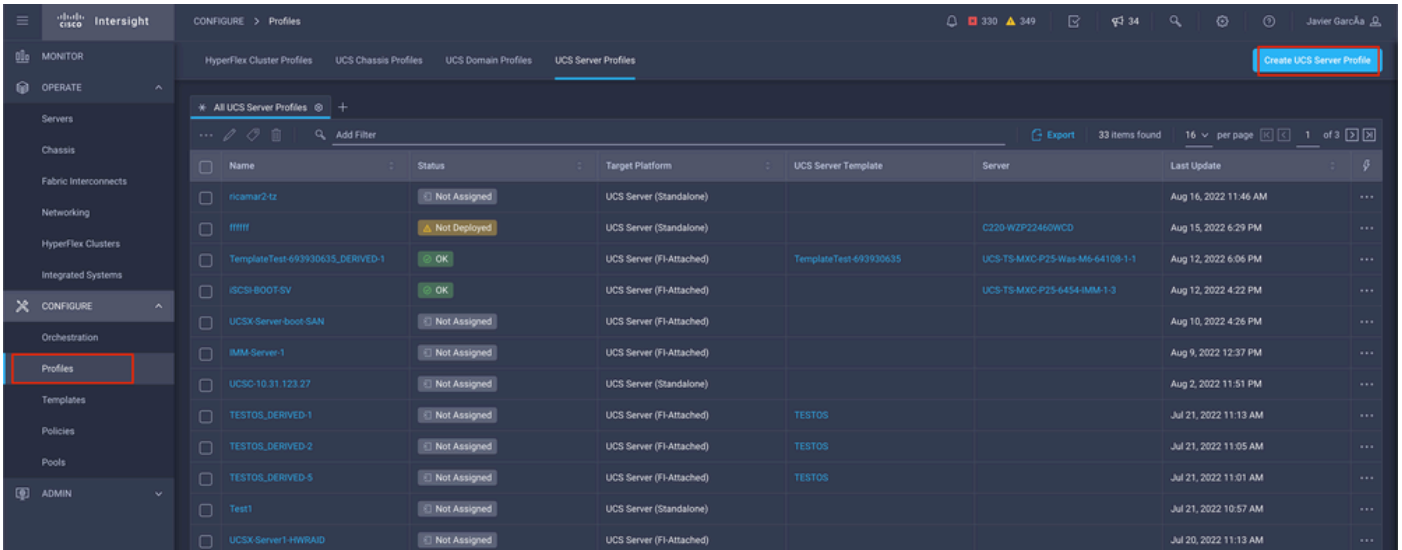
Configure **Drive Group** and **Virtual Drive.**
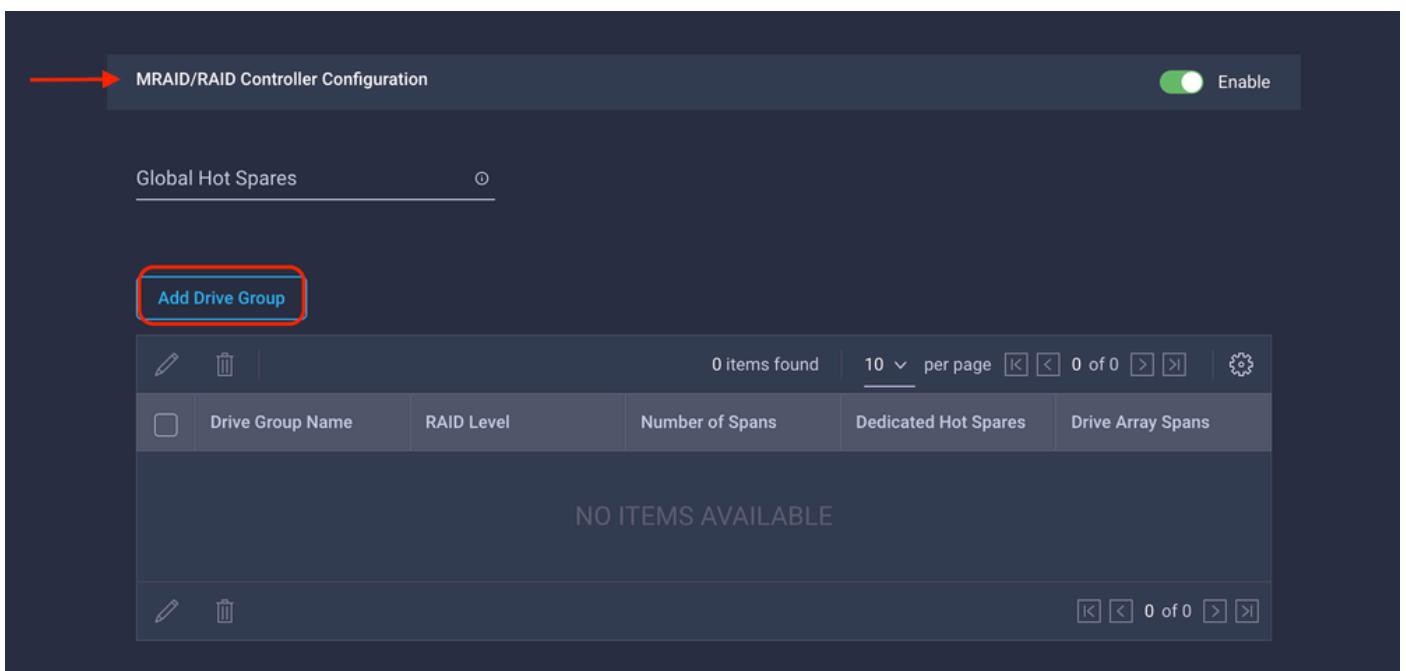
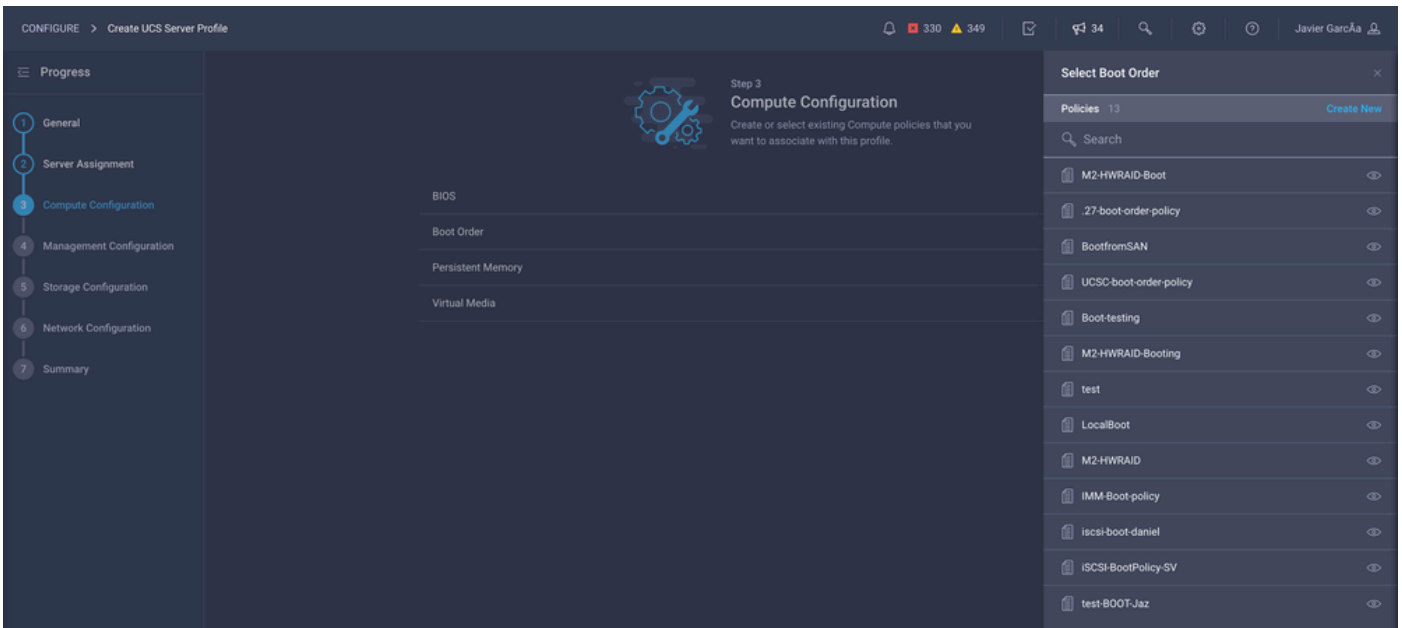**Note**: To avoid the addition of a virtual drive, use single drive RAID0 creation.

Step 4. Deploy Server profile.

Step 4.1 Apply the created policies.

Note: Other policies can be added if required. This article explains only the policies required to boot from local storage. Other policies can be added if required.
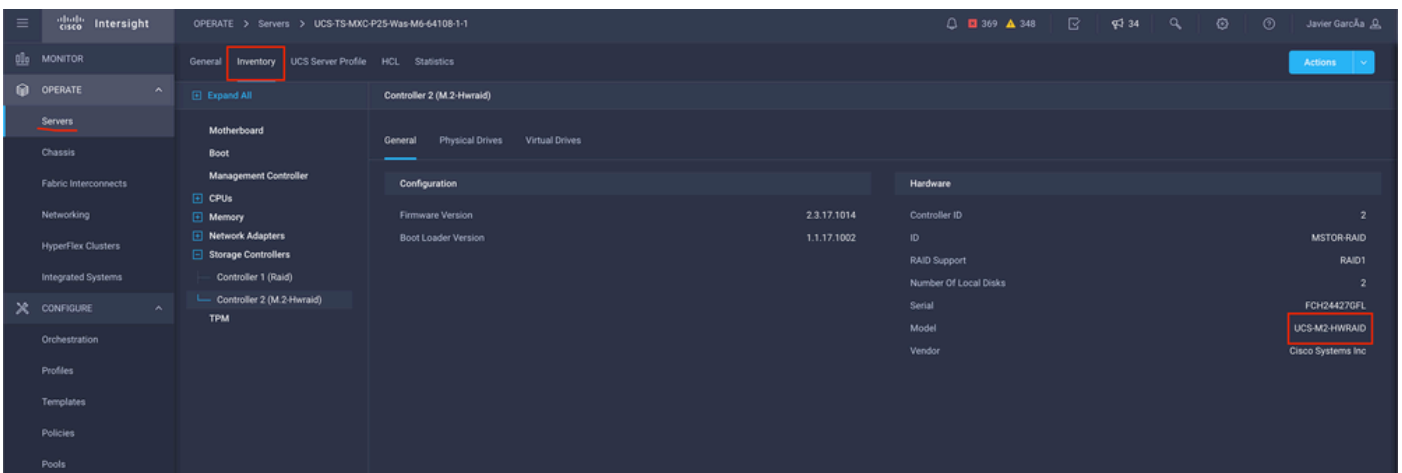
Step 5. Install the OS through the KVM.

Local Storage M.2 Controller

Step 1. Identify the controller installed in the Server and slot ID.

Navigate to **Servers > [server name] > Inventory > Storage Controllers**. Take note of the ID.

Step 2. Create **Boot Order Policy**:

Navigate to **Policies > Create Policy > UCS Server > Boot Order**

(Configure Policy, Organization, Name, and Description).

Add local Disk boot option, select **Legacy** or **Unified Extensible Firmware Interface (UEFI)**.

Device Name is the name for reference on the Policy.

Slot is the ID saved from **Step 1.**

Botloader fields (optional).

Add **Virtual Media** option to install the .iso image.

Step 3. Create **Storge Policy**

Name the **Storge Policy** and enable the **M.2 RAID Controller Configuration.**

Step 4. Deploy Server profile

✎ **Note**: This article explains only the policies required to boot from local storage. Other policies can be added if required.
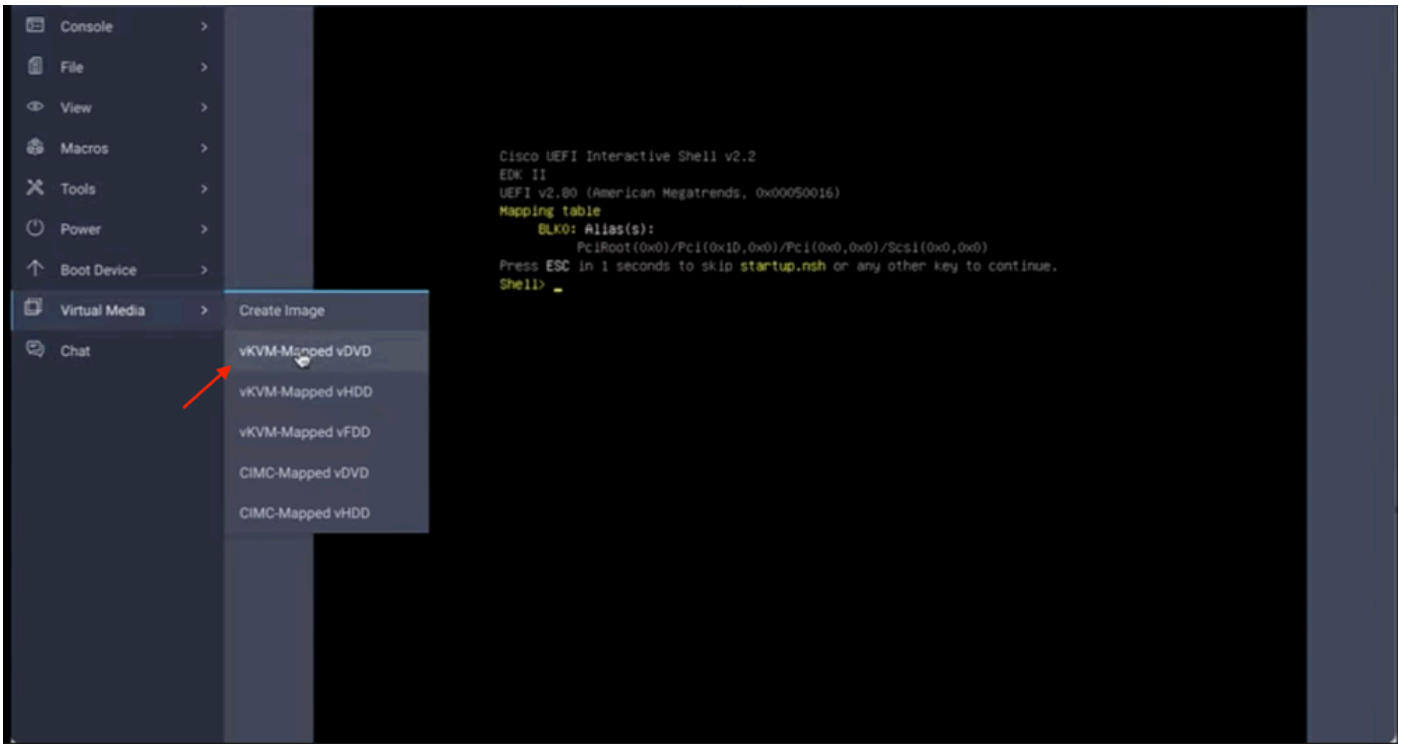

Step 4.1 Apply the created policies.

Step 5. Install the OS through the KVM.

Verify

Use this section in order to confirm that your configuration works properly.

Launch the **vKVM-Mapped vDVD.**

Verify **RAID** is displayed through OS installation.