

Configurar a inicialização a partir do armazenamento local no modo de gerenciamento de interceptação (IMM)

Contents

[Introduction](#)

[Prerequisites](#)

[Requirements](#)

[Componentes Utilizados](#)

[Configurar](#)

[Armazenamento local MRAID - HDD](#)

[Controlador M.2 de armazenamento local](#)

[Verificar](#)

Introduction

Este documento descreve a configuração para inicialização a partir do armazenamento local com MRAID/HDD and M.2 Controller ligado Intersight Managed Mode (IMM).

Contribuição de Javier Garcia e Luis Uribe Rojas, engenheiros do Cisco TAC.

Prerequisites

Requirements

A Cisco recomenda o conhecimento destes tópicos:

- Intersight
- Inicialização local
- Dispositivos de armazenamento local (unidades HDD/SSD e M.2)
- Conhecimento de Redundant Array of Independent Disks (RAID) configuração

Componentes Utilizados

As informações neste documento são baseadas nestas versões de software e hardware:

- Cisco UCS 6454 Fabric Interconnect, firmware 4.2(1e)
- Servidor blade UCSB-B200-M5, firmware 4.2(1a)
- Intersight software as a service (SaaS)
- Controladoras de armazenamento MRAID, MSTOR-RAID

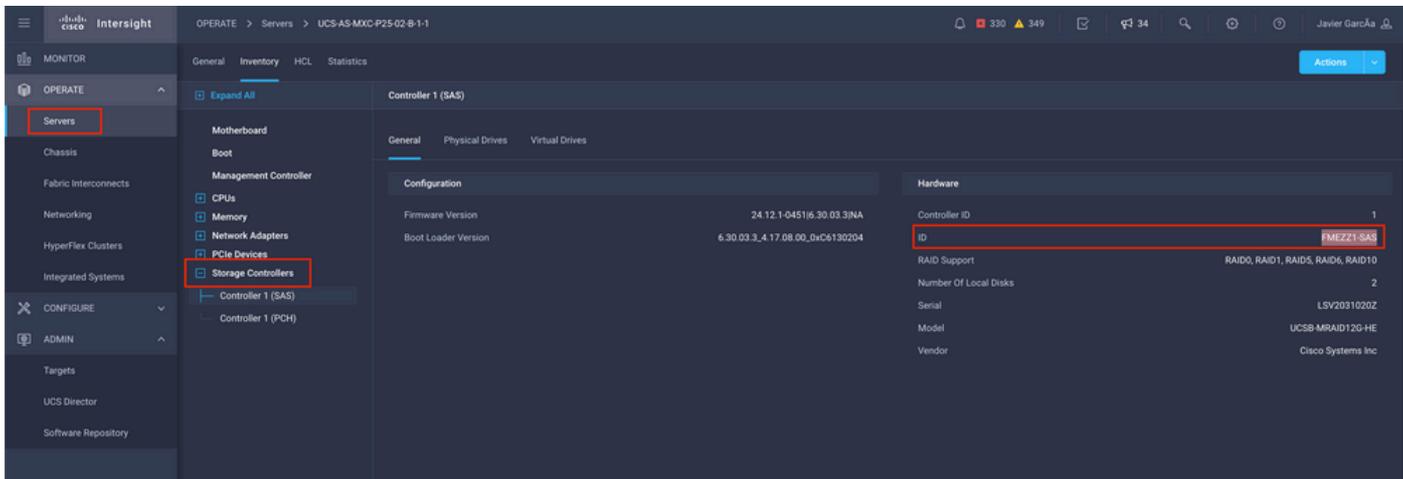
The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

Configurar

Armazenamento local MRAID - HDD

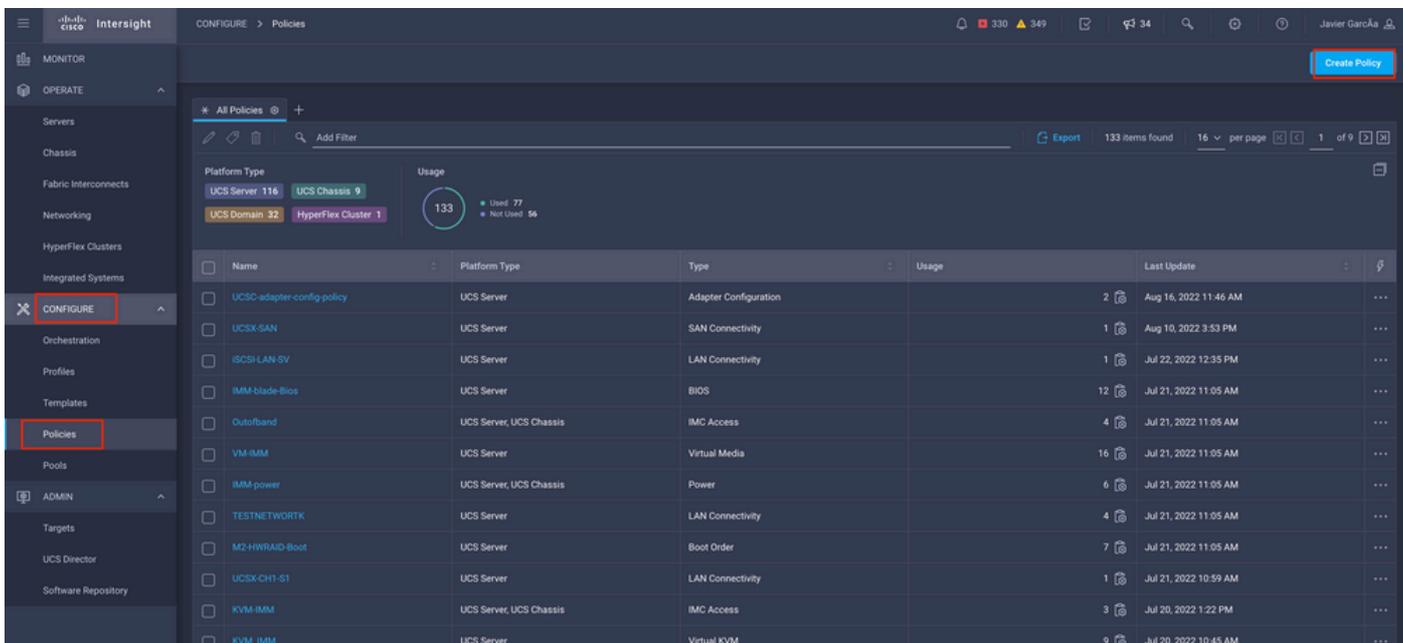
Etapa 1. Identifique a controladora instalada no servidor e o ID do slot.

Navegue até **Servers > [server name] > Inventory > Storage Controllers**. Anote a ID.

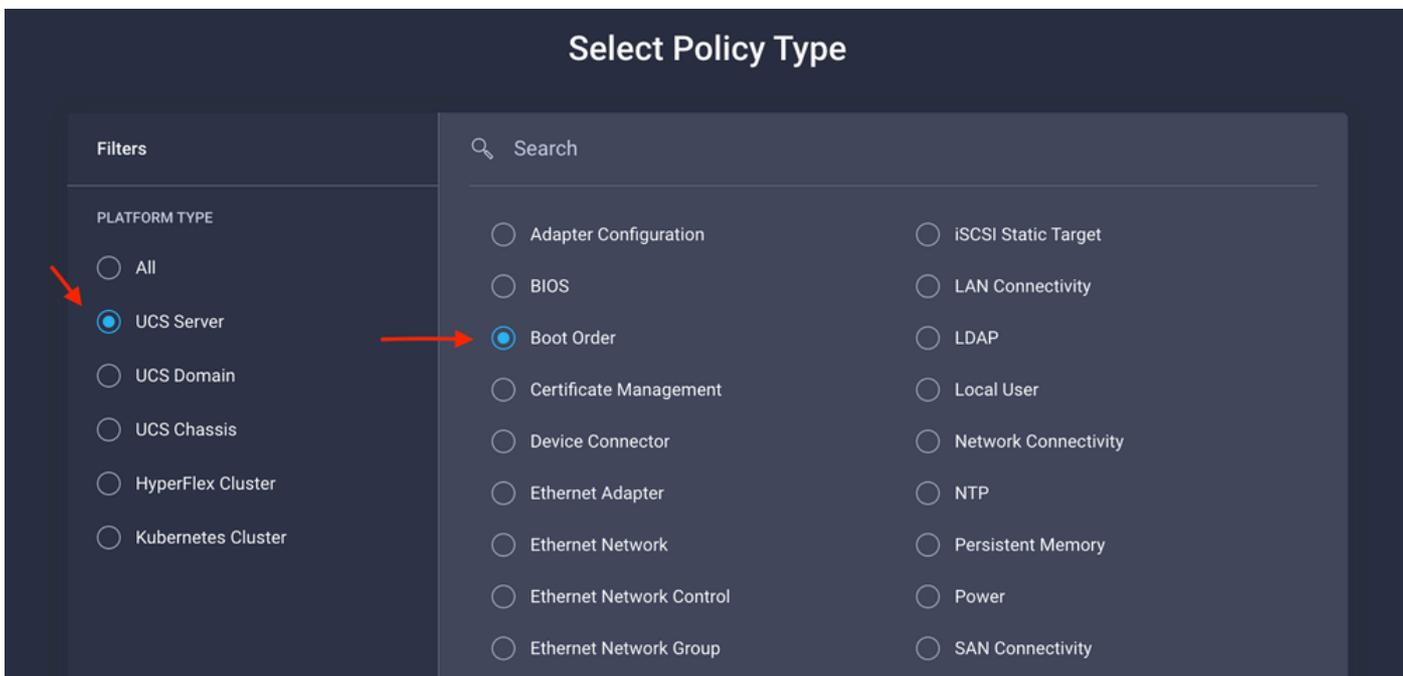


Etapa 2. Criar Boot Order Policy:

Navegue até **Policies > Create Policy > UCS Server > Boot Order**

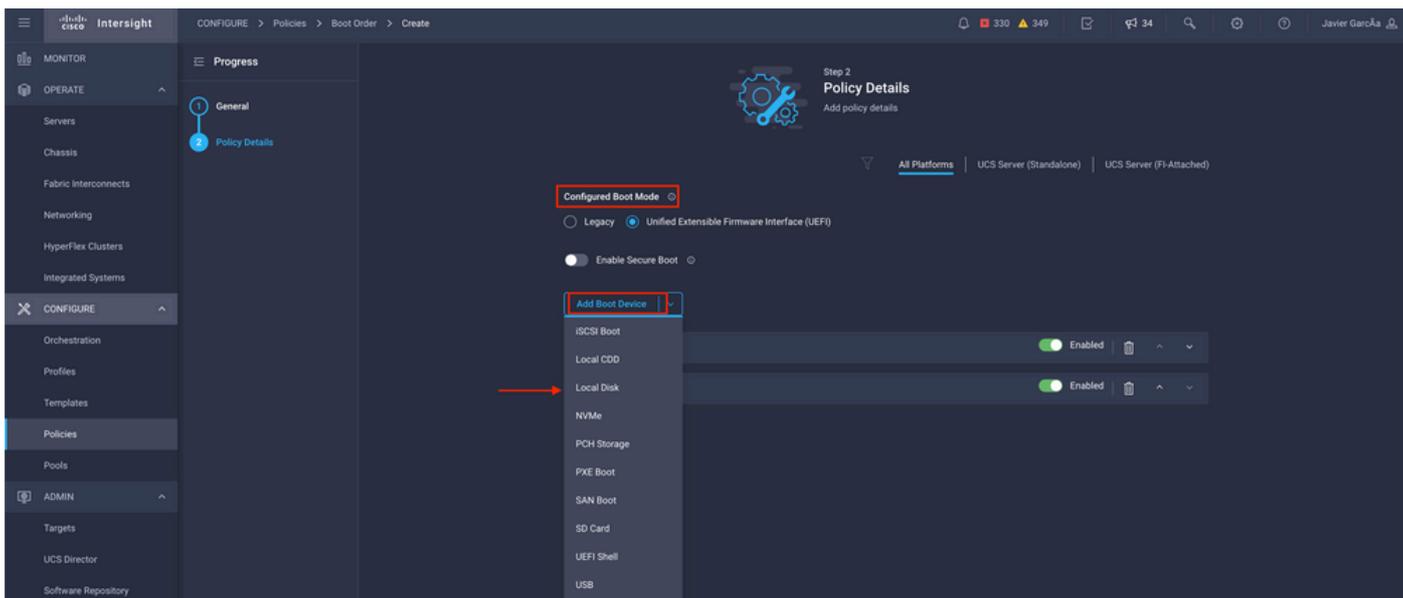


Selecionar UCS server e Boot order



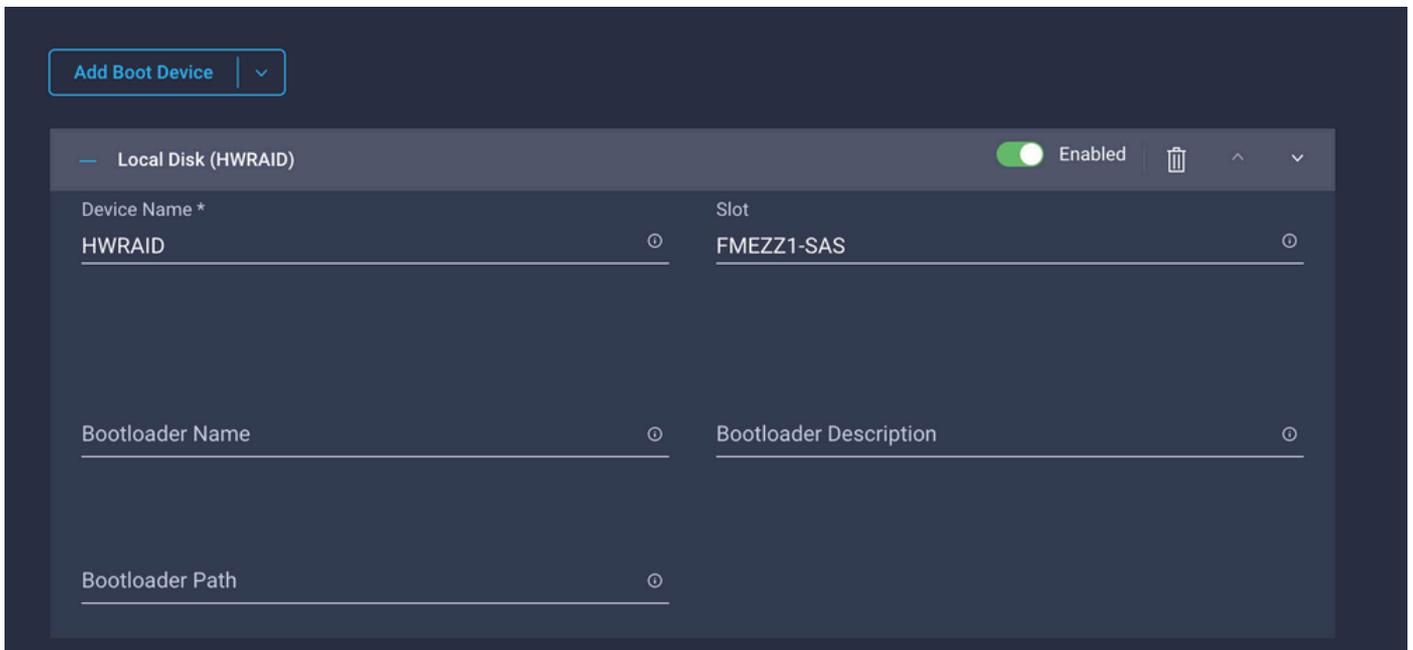
Configurar Policy Organization, Name, e Description.

adi local Disk boot option, selecione Legacy OR Unified Extensible Firmware Interface (UEFI).

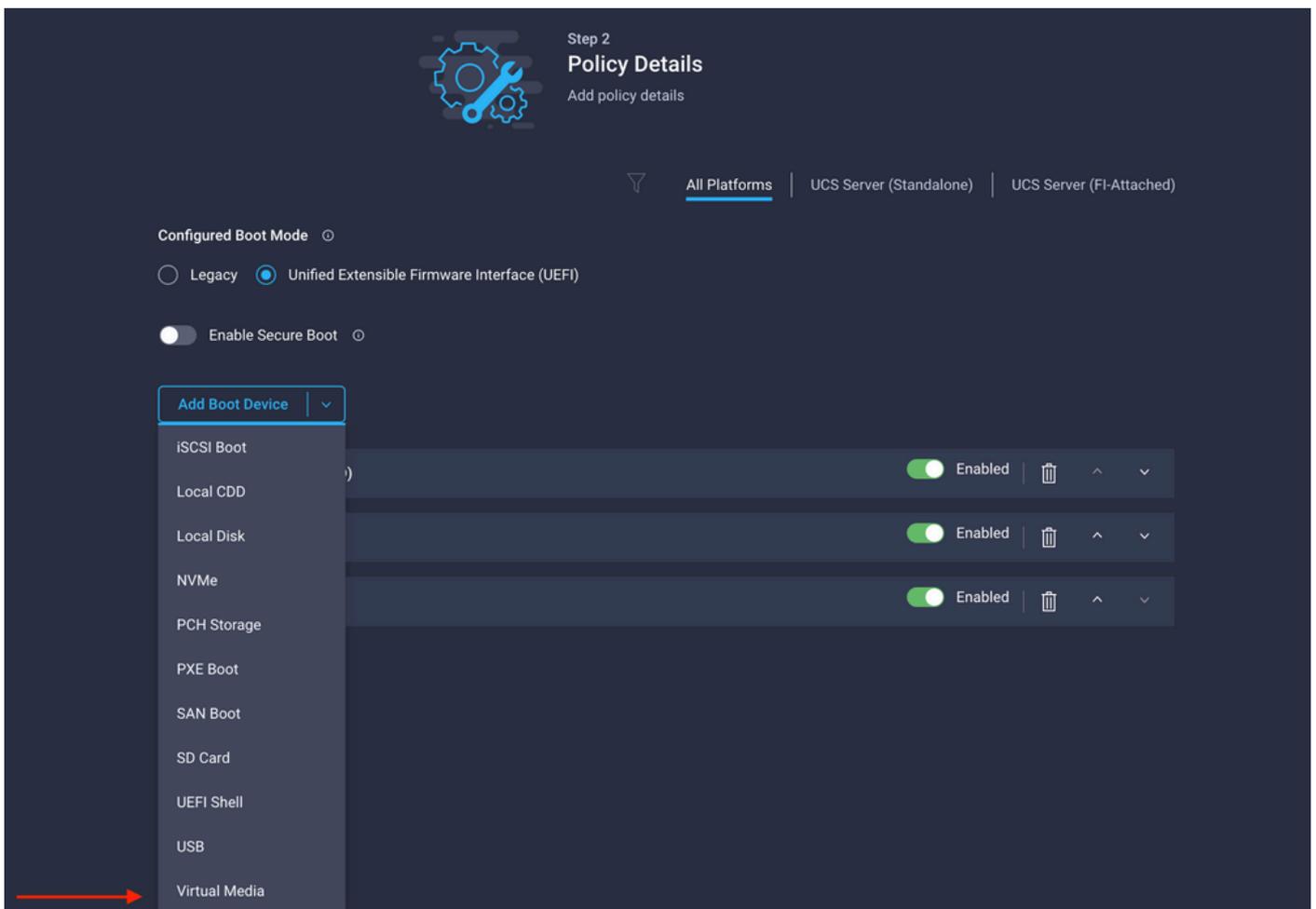


Configurar o Device Details:

- Device Name é o nome para referência na Política.
- Slot é a ID salva na **Etapa 1**.
- Bootloader (opcional).



Add Virtual Media para instalar a imagem .iso.



Configurar Device Name e Tipo.



Step 2 Policy Details

Add policy details



All Platforms

UCS Server (Standalone)

UCS Server (FI-Attached)

Configured Boot Mode ⓘ

Legacy Unified Extensible Firmware Interface (UEFI)

Enable Secure Boot ⓘ

Add Boot Device ▾

Virtual Media (DVD)

Enabled



Device Name *

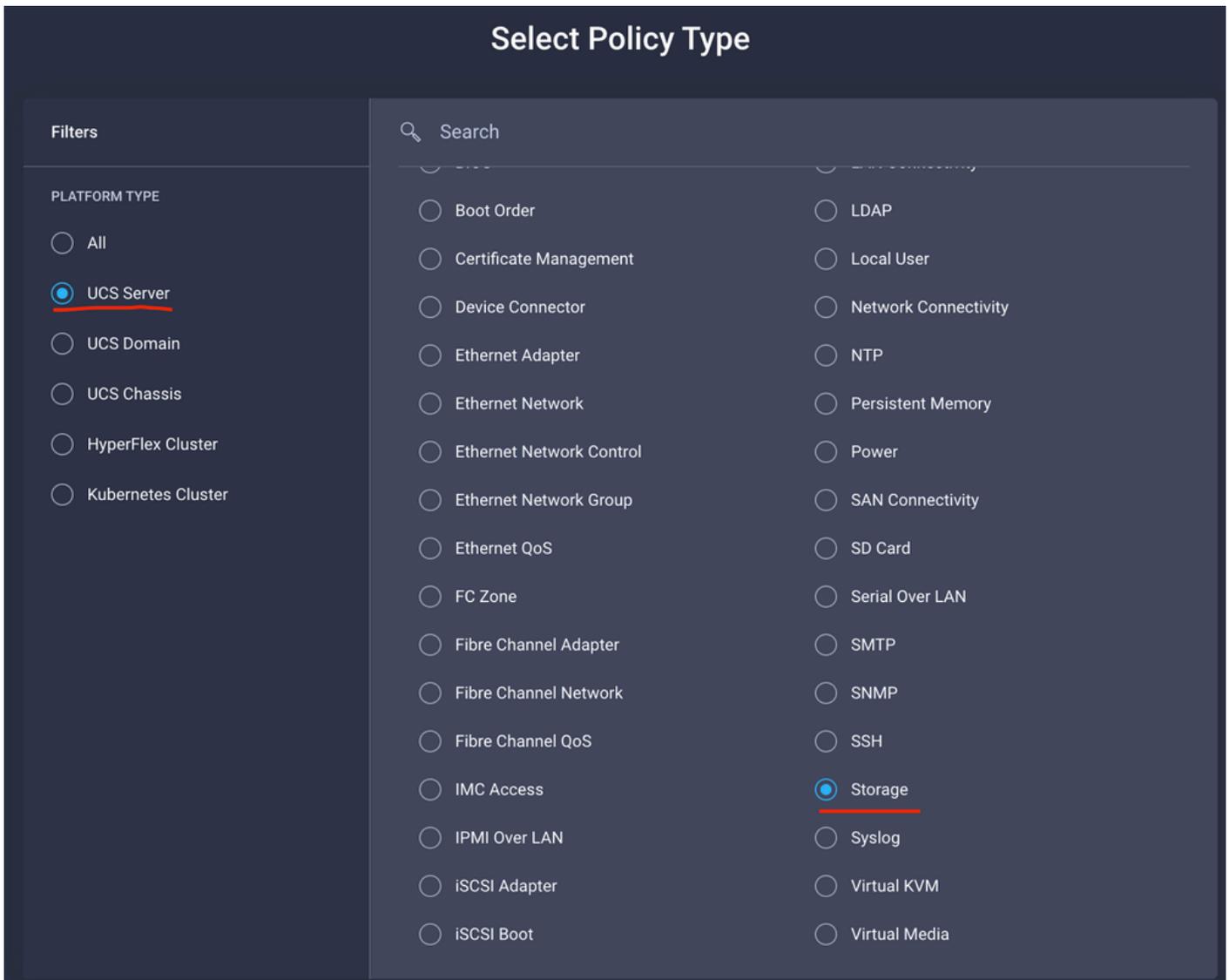
DVD ⓘ

Sub-Type

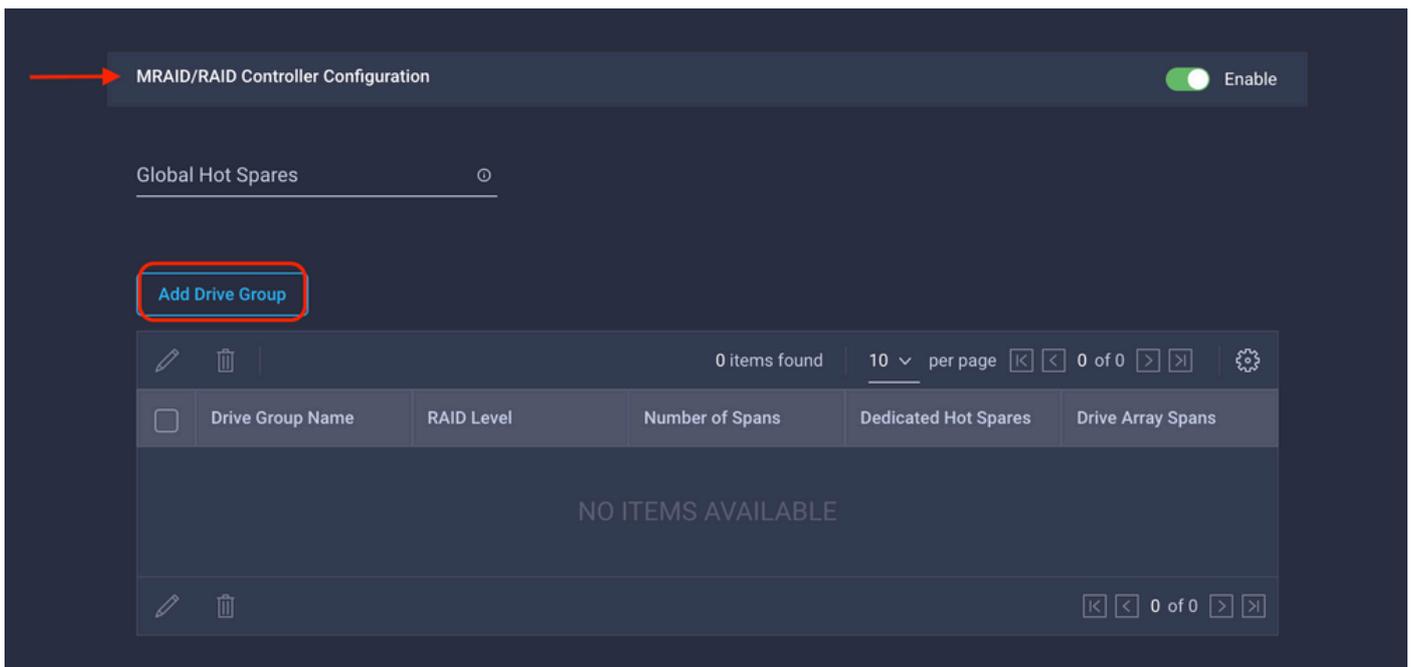
KVM MAPPED DVD ▾ ⓘ

Etapa 3. Criar Storage Policy

Nomear o Storage Policy e habilitar a MRAID/RAID Controller Configuration.

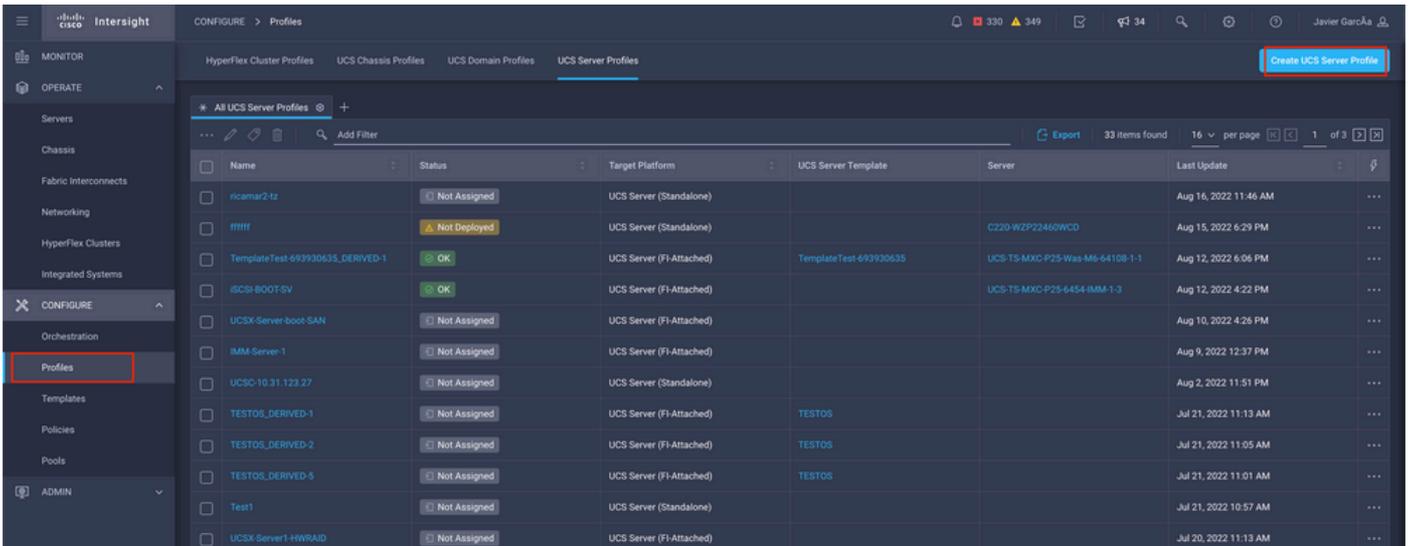


Configurar Drive Group e Virtual Drive.



Note: Para evitar a adição de uma unidade virtual, use a criação de RAID0 de unidade única.

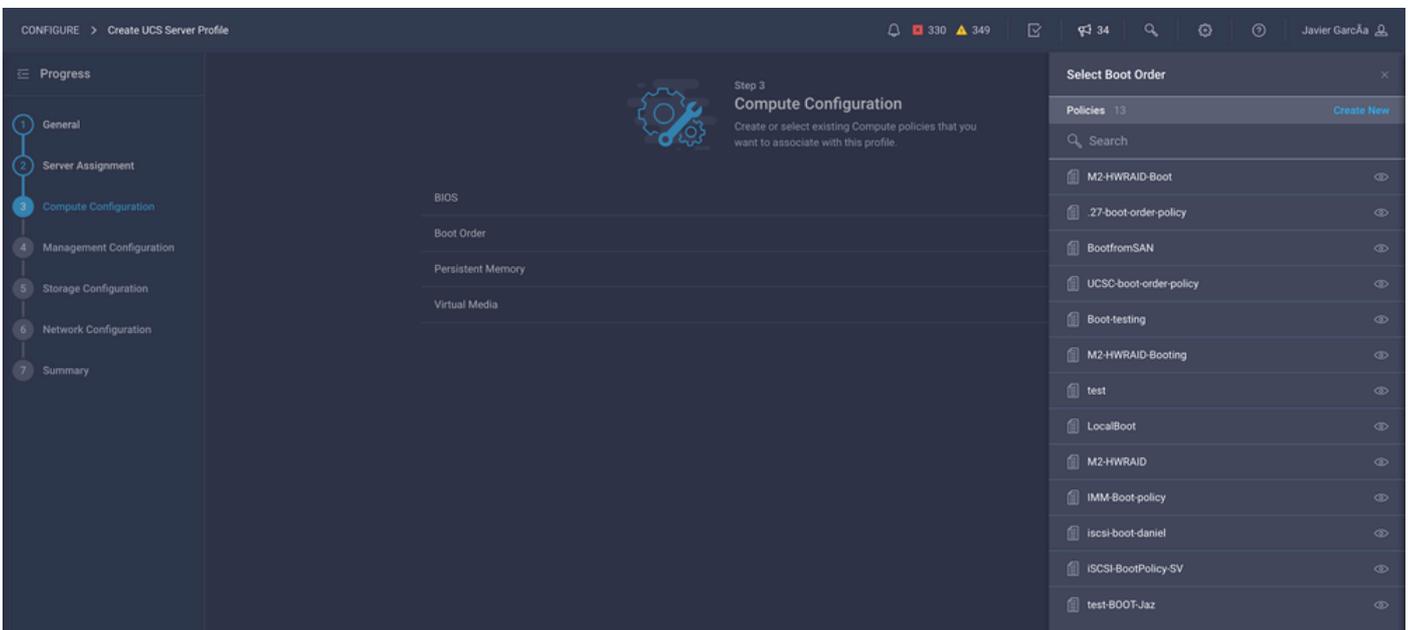
Etapa 4. Implantar perfil do servidor.



The screenshot shows the Cisco Intersight interface for managing server profiles. The 'CONFIGURE' menu is active, and the 'Profiles' sub-menu is selected. A table lists various UCS Server Profiles with columns for Name, Status, Target Platform, UCS Server Template, Server, and Last Update. A 'Create UCS Server Profile' button is visible in the top right corner.

Name	Status	Target Platform	UCS Server Template	Server	Last Update
ncamar2-1z	Not Assigned	UCS Server (Standalone)			Aug 16, 2022 11:46 AM
fffff	Not Deployed	UCS Server (Standalone)		C220-WZP22460WCD	Aug 15, 2022 6:29 PM
TemplateTest-693930635_DERIVED-1	OK	UCS Server (FI-Attached)	TemplateTest-693930635	UCS-TS-MXC-P25-Was-M6-64108-1-1	Aug 12, 2022 6:06 PM
iSCSI-BOOT-SV	OK	UCS Server (FI-Attached)		UCS-TS-MXC-P25-6454-IMM-1-3	Aug 12, 2022 4:22 PM
UCSX-Server-boot-SAN	Not Assigned	UCS Server (FI-Attached)			Aug 10, 2022 4:26 PM
IMM-Server-1	Not Assigned	UCS Server (FI-Attached)			Aug 9, 2022 12:37 PM
UCSC-10.31.123.27	Not Assigned	UCS Server (Standalone)			Aug 2, 2022 11:51 PM
TESTOS_DERIVED-1	Not Assigned	UCS Server (FI-Attached)	TESTOS		Jul 21, 2022 11:13 AM
TESTOS_DERIVED-2	Not Assigned	UCS Server (FI-Attached)	TESTOS		Jul 21, 2022 11:05 AM
TESTOS_DERIVED-5	Not Assigned	UCS Server (FI-Attached)	TESTOS		Jul 21, 2022 11:01 AM
Test1	Not Assigned	UCS Server (Standalone)			Jul 21, 2022 10:57 AM
UCSX-Server1-HWRAID	Not Assigned	UCS Server (FI-Attached)			Jul 20, 2022 11:13 AM

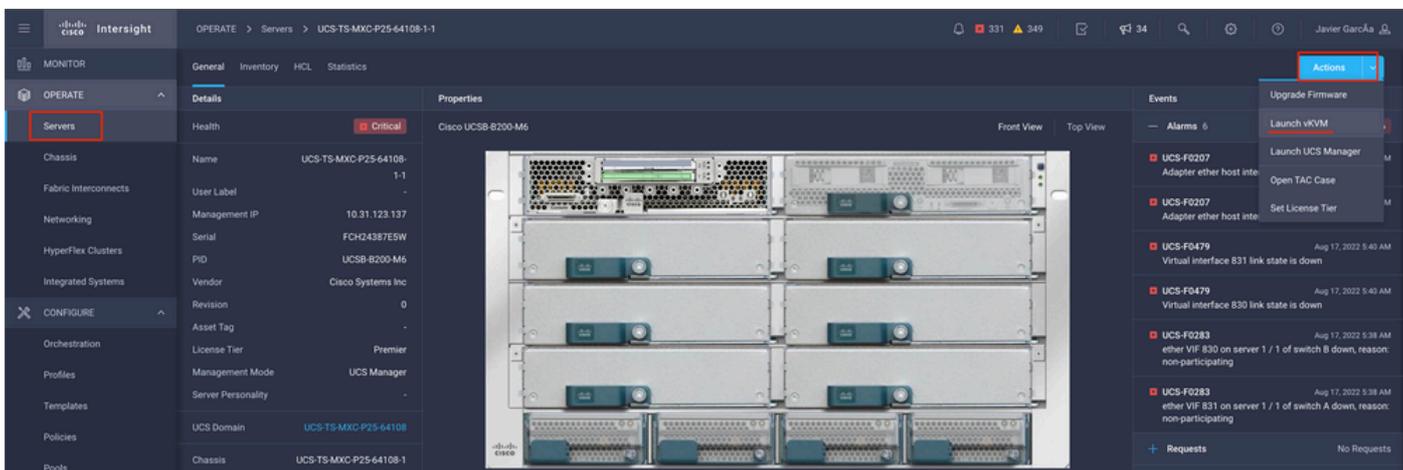
Etapa 4.1 Aplicar as políticas criadas.



The screenshot shows the 'Create UCS Server Profile' wizard in Cisco Intersight, specifically the 'Compute Configuration' step. The progress bar indicates that this is step 3 of 7. The main area shows configuration options for BIOS, Boot Order, Persistent Memory, and Virtual Media. On the right, a 'Select Boot Order' panel lists 13 policies, including M2-HWRAID-Boot, 27-boot-order-policy, BootfromSAN, UCSC-boot-order-policy, Boot-testing, M2-HWRAID-Bootting, test, LocalBoot, M2-HWRAID, IMM-Boot-policy, iscsi-boot-daniel, iSCSI-BootPolicy-SV, and test-BOOT-Jaz.

Note: Outras políticas podem ser adicionadas, se necessário. Este artigo explica apenas as políticas necessárias para inicializar a partir do armazenamento local. Outras políticas podem ser adicionadas, se necessário.

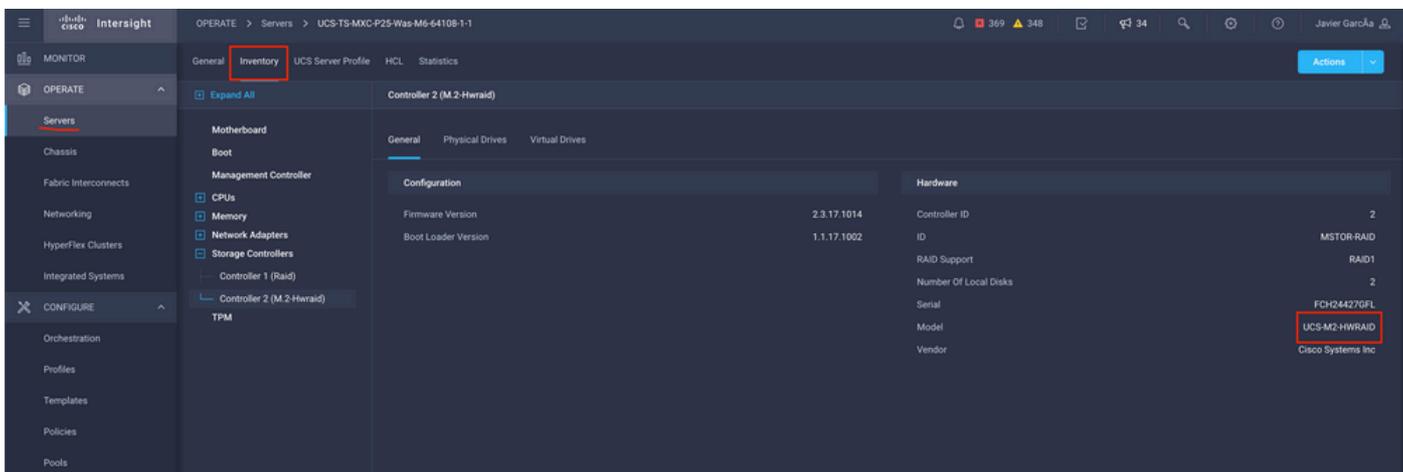
Etapa 5. Instale o SO através do KVM.



Controlador M.2 de armazenamento local

Etapa 1. Identifique a controladora instalada no servidor e o ID do slot.

Navegue até **Servers > [server name] > Inventory > Storage Controllers**. Anote a ID.



Etapa 2. Criar Boot Order Policy:

Navegue até **Políticas > Create Policy > UCS Server > Boot Order**

(Configurar política, organização, nome e descrição).

opção de inicialização de disco local, selecione **Legacy or Unified Extensible Firmware Interface (UEFI)**.

Device Name é o nome para referência na Política.

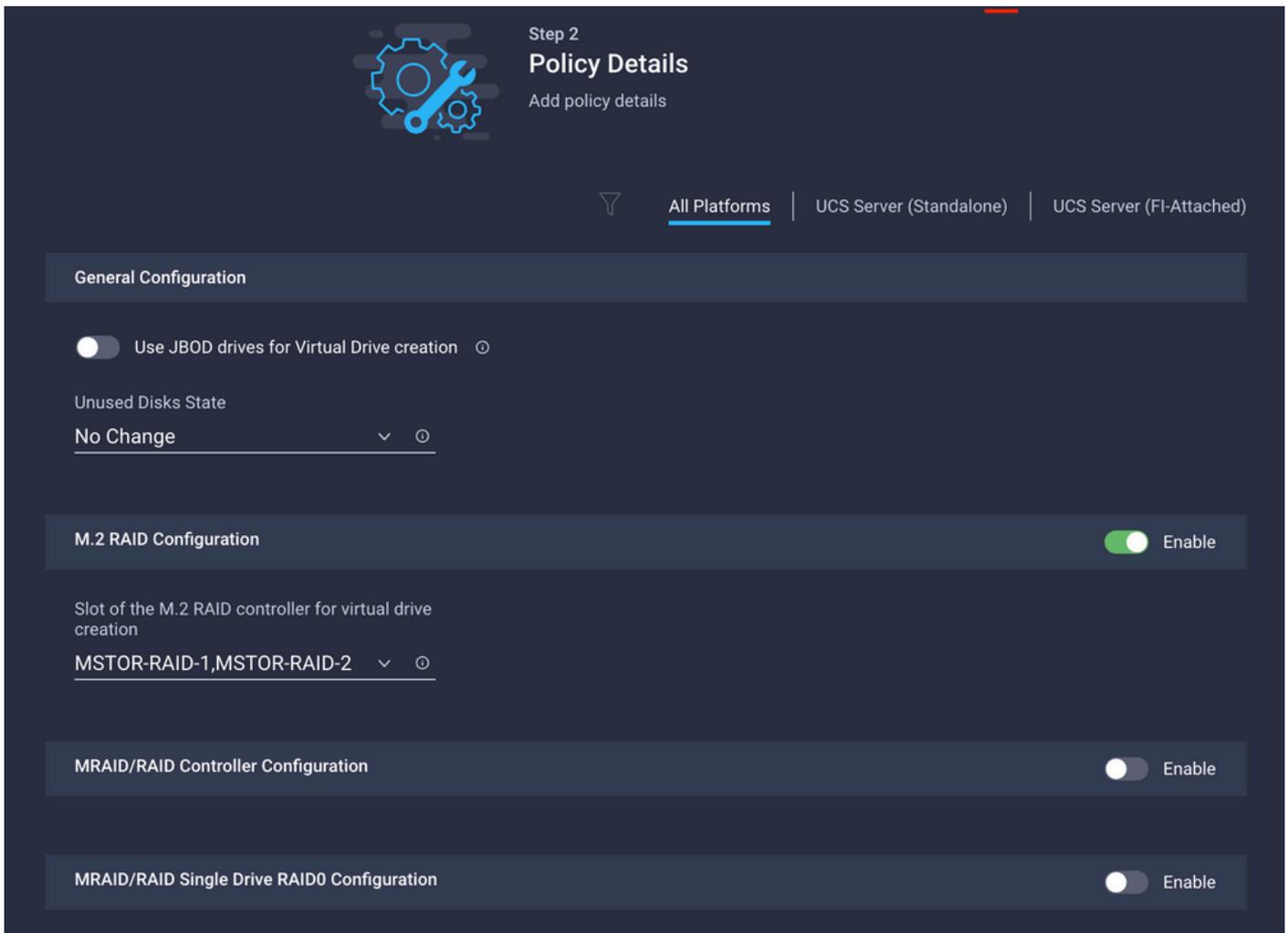
slot é a ID salva na **Etapa 1**.

Botloader (opcional).

adi **Virtual Media** para instalar a imagem .iso.

Etapa 3. Criar Storage Policy

Nomear o Storage Policy e habilitar a **M.2 RAID Controller Configuration**.



Step 2
Policy Details
Add policy details

All Platforms | UCS Server (Standalone) | UCS Server (FI-Attached)

General Configuration

Use JBOD drives for Virtual Drive creation ⓘ

Unused Disks State
No Change ▼ ⓘ

M.2 RAID Configuration Enable

Slot of the M.2 RAID controller for virtual drive creation
MSTOR-RAID-1, MSTOR-RAID-2 ▼ ⓘ

MRAID/RAID Controller Configuration Enable

MRAID/RAID Single Drive RAID0 Configuration Enable

Etapa 4. Implantar perfil do servidor

Note: Este artigo explica apenas as políticas necessárias para inicializar a partir do armazenamento local. Outras políticas podem ser adicionadas, se necessário.

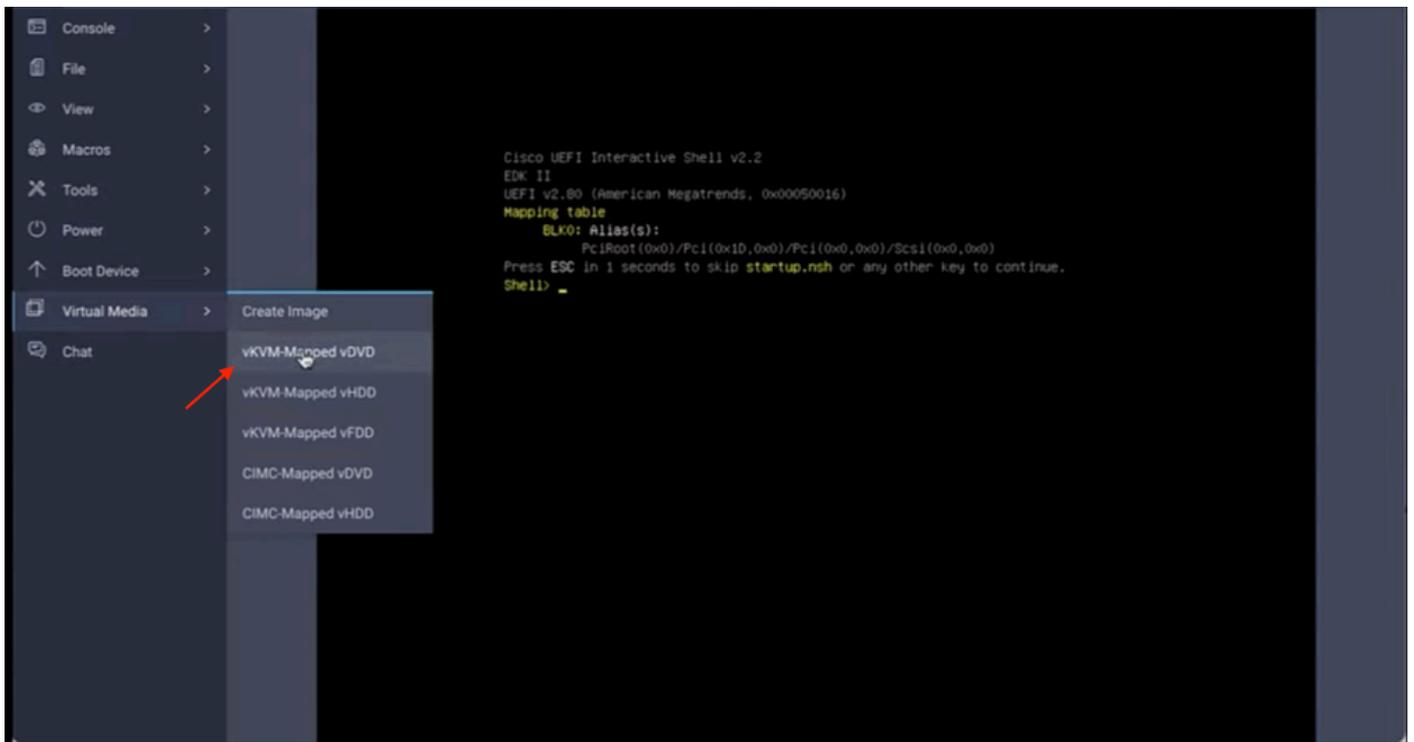
Etapa 4.1 Aplicar as políticas criadas.

Etapa 5. Instalar o SO através do KVM.

Verificar

Use esta seção para confirmar se a sua configuração funciona corretamente.

Inicie o **vKVM-Mapped vDVD**.



Verifique se **RAID** é exibido através da instalação do SO.

