Configuración de UCS-M2-HWRAID en blades UCS

Contenido

Introducción Prerequisites Requirements Componentes Utilizados Antecedentes Configurar Comprobar estado actual Configuración de la configuración de almacenamiento Verificación Troubleshoot

Introducción

Este documento describe cómo configurar Unified Computing System (UCS)-M2-HWRAID para que un sistema operativo (OS) pueda utilizar los discos para el almacenamiento o como discos de arranque.

Prerequisites

Requirements

Cisco recomienda que tenga conocimiento sobre estos temas:

- Servidor UCS M5
- UCSM 3.2.2b o superior
- SO compatible en modo UEFI (a continuación se muestran los mínimos) CentOS 7.6ESXi
 6.5U2RHEL 7.6WinServer 2016 WinServer 2019Más: <u>Compatibilidad de hardware y software</u> <u>de UCS</u> Adaptadores > RAID > Cisco Boot Optimized M.2 HW Raid Controller (Cisco)

Componentes Utilizados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- UCS-M2-HWRAID
- 2 unidades m.2 del mismo modelo y capacidad

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. Si tiene una red en vivo, asegúrese de entender el posible impacto de cualquier comando.

Antecedentes

El UCS-M2-HWRAID contiene dos palillos m.2; uno a cada lado del portador. El UCS-M2-HWRAID y UCS-MSTOR-M2 tienen un aspecto similar, pero en este ejemplo de configuración, el RAID por hardware requiere un controlador UCS-M2-HWRAID.

Configurar

Comprobar estado actual

1. Verifique que las piezas necesarias se muestren en el inventario del servidor.

En UCSM, navegue hasta Equipo > Chasis x > Servidores > Servidor x.

Seleccione la pestaña **Inventario** en la parte superior, **Placa base**. Seleccione **Mini almacenamiento**. Asegúrese de que el modelo se muestre como **UCS-M2-HWRAID** como se muestra en esta imagen.

Mini St	 Mini Storage 					
mini-storage	mini-storage-M2-1					
ID	:	1				
Model	:	UCS-M2-HWRAID				
Туре		M2				
Vendor	1	Cisco Systems Inc				
Revision	1	0				
Serial	1	FCH23327KSH				
VID	1	V01				
Part Numb	er :	73-19532-05				
Product Na	Product Name : Cisco boot optimized M.2 Raid controller					
Caption	Caption : Cisco boot optimized M.2 Raid controller					
Description	I	: Cisco boot optimized M.2 Hardware Raid controller with two SATA slots				

2. Compruebe que hay dos unidades m.2 instaladas y detectadas.

Navegue hasta Inventario > Almacenamiento > Discos.

En la lista desplegable, seleccione Storage Controller Sata 1.

Compruebe qué dos discos m.2 (253 y 254) se presentan y se encuentran en estado operativo. En M6, los dos discos m.2 serán 245 y 246. El estado de la unidad puede variar.

黒	All 👻	Equipment / Chassis / Cha	ssis 1 / Servers / Server	6						
		General Inventory	Virtual Machines Insta	led Firmware CIMC S	essions SEL Logs VIF	Paths Health Diagnos	stics Faults Events	FSM Statistics	Temperatures Power	
-		Motherboard CIMC	CPUs GPUs Me	mory Adapters H	BAS NICS ISCSI VNICS	Security Storage	Persistent Memory			
<u>.</u>	🕶 Chassis 1 🦁	Controller LUNE I	Velo Conucitu							
	 Fans 	CONDUM LONG	Joks Security							
Ξ.	 IO Modules 	+ - Ty Advanced Filter	🔶 Export 🖷 Print							¢
	 PSUs 	Name	Size (MB)	Serial	Operability	Drive State	Presence	Technology	Bootable	
	 Servers 	Storage Controller PC								
_	 Server 2 	Storage Controller SA								
	 Server 3 	Etorage Controller SA								
	 Server 4 	A sound of the second of the s								
-	 Server 5 	Disk 253	228936	17 8	Operable	Jbod	Equipped	SSD	False	
10	🔸 Server 6 🛛 👽	Disk 254	228936	17 1	Operable	Jbod	Equipped	SSD	False	

3. Verifique si hay LUN huérfanos.

Vaya a Inventory> Storage> LUNs.

Compruebe si hay una flecha desplegable para **Storage Controller SATA 1**. Si no, no hay un LUN huérfano.

Si ve un LUN huérfano, vaya a la sección Solución de problemas de la parte inferior antes de comenzar la configuración.



Configuración de la configuración de almacenamiento

1. En primer lugar, debe crear una política de almacenamiento. Navegue Almacenamiento > Políticas de almacenamiento > Agregar como se muestra en la imagen.



Storage / Storage Policies

Disk Group Policies

+ - 🔶 Export 🖷 Print

▶ root

 \oplus Add

En la ventana Crear Política de Grupo de Discos:

- Introduzca un nombre
- Descripción (opcional)
- Nivel RAID RAID1 duplicado se utiliza en esta guía y es la opción más segura.
- Seleccione el botón de opción manual Configuración del grupo de discos.

Create Disk Group Policy

Name : m.2_raid1					
Description : Raid1 group policy for m2. drives					
RAID Level : RAID 1 Mirrored					
O Disk Group Configuration (Automatic) O Disk Group Co	onfiguration (Manual)				
Disk Group Configuration (Manual)					
🏹 Advanced Filter 🛉 Export 🚔 Print			¢		
Slot Number	Role	Span ID			
	No data av	ailable			
		loto 🙃 Info			
Victual Dates Configuration					
Strip Size (KB) : Platform Default					
Access Policy : Platform Default O Read Writ	e 🔿 Read Only 🔿 Blocked				
			OK Cancel		

Haga clic en el botón Add en el cuadro Disk Group Configuration (Manual).

Se abre una nueva ventana Crear referencia de configuración de disco local.

- El número de ranura se puede establecer en 253 (el ID del primer m.2. Este valor se puede comprobar en los requisitos previos)
- La función debe ser Normal
- Deje el ID de expansión como no especificado

Haga clic en Aceptar como se muestra en esta imagen.

Create Disk Group Polic	су	? ×
Name : m.2_raid1 Description : Raid1 group policy for n RAID Level : RAID 1 Mirrored	n2. drives	
Disk Group Configuration (Automatic) (Disk Group Configuration (Manual)	Create Local Disk Configuration Reference ? ×	
Ty Advanced Filter ↑ Export ⊕ Prin	Slot Number : 253 [1-254] Role : Normal Opedicated Hot Spare Global Hot Spare	\$
253	Span ID : unspecified [0-8]	
Virtual Drive Configuration		
Strip Size (KB) : Platform Default		
Access Policy : Platform Defa		ncel

Repita el último paso para el otro disco, pero utilice el número de ranura **254** como se muestra en esta imagen.

Create Disk Group Polic	су	? ×
Name : m.2_raid1 Description : Raid1 group policy for r	m2. drives	
RAID Level : RAID 1 Mirrored	T	
O Disk Group Configuration (Automatic) Disk Group Configuration (Manual)	Create Local Disk Configuration Reference $? \times$	
🏹 Advanced Filter 🔶 Export 🚔 Prir	Slot Number : 254 [1-254]	¢
Slot Number	Role : Oldicated Hot Spare Oldicated Hot Spare	
253	Span ID : unspecified [0-8]	
254	OK Cancel	
Virtual Drive Configuration		
Strip Size (KB) : Platform Default		
Access Policy : Platform Defa	ault 🔿 Read Write 🔿 Read Only 🔿 Blocked	
	ОК Салс	el

Ahora su Política de Disco debe tener el siguiente aspecto:

Create Disk Group Policy			? ×
Name : m.2_raid1			1
Description : Raid1 group policy for m2. c	trives		
RAID Level : RAID 1 Mirrored			
Disk Group Configuration (Automatic) Disk Group Configuration (Manual)	sk Group Configuration (Manual)		
🏹 Advanced Filter 🔺 Export 🚔 Print			\$
Slot Number	Role	Span ID	
253	Normal	Unspecified	
254	Normal	Unspecified	
	⊕ Add 💿 Del	iete 🕐 Info	
Virtual Drive Configuration			
Strip Size (KB) : Platform Default	V		
Access Policy : Platform Default (Read Write ORead Only OBlocked		
			OK Cancel

2. Cree un perfil de almacenamiento.

Vaya a Almacenamiento > Perfiles de almacenamiento > Crear un perfil de almacenamiento como se muestra en esta imagen.



Se abre la ventana Crear perfil de almacenamiento que solicita:

- Nombre: Introduzca un nombre lógico
- Descripción (opcional)
- Haga clic en el botón Add como se muestra en esta imagen.

Create Storage Profile

Name :	m.2_raid i				
Description :	Profile for m.2 ra	iid1 storage			
LUNs					
Local LUN	s LUN Set	Controller Definitions	Security Policy		
▼ Advanced	I Filter 🔶 Export	🖶 Print			\$
Name	Si	ize (GB)	Order	Fractional S	ize (MB)
		No da	ata available		
		🕀 Add	🗓 Delete 🕤 Info		
				OV	Cancol
				UK	Cancer

? ×

En la ventana Crear LUN local:

- Seleccione el botón de opción Crear LUN local
- Dé un nombre al LUN (utilicé m.2)
- Establezca el tamaño en 1
- Establecer el tamaño fraccional 0
- Seleccione esta opción si desea que el LUN se implemente automáticamente (si selecciona no, debe habilitar manualmente el LUN en cada perfil de servicio)
- Marque el cuadro Expandir a disponible
- Seleccione la configuración del grupo de discos realizada anteriormente
- Haga clic en Aceptar como se muestra en esta imagen

UNs config hared amor	ng n Create Stora	age Profile	nd can ha dadicatad ta a cha	? ×
1. Crea 2. Crea Assign the s	Name Create Local L Name Size (GB) Fractional Size (MB) Auto Deploy Expand To Available Select Disk Group Config	<pre>raid I UN Create Local LUN Prepa () Create Local LUN Prepa () Prepa () Prep</pre>	are Claim Local LUN [0-245760] Auto Deploy Create Disk Group Policy	? ×
				OK Cancel

Su perfil de almacenamiento debe verse de la siguiente manera:

Create S	Storage Profi	le			? ×
Name : Description : LUNs	m.2_raid1 Profile for m.2 raid?	1 storage			
Local LUN	s LUN Set C	Controller Definition	s Security Policy	/	
▼ Advanced	Filter 🔶 Export	Print			₽
Name	Size	(GB)	Order	Fractional Size (MB)	
m.2	1		Not Applicable	0	
		\oplus Add	📋 Delete 🕚 Info		
				ОК Сал	icel

Haga clic en **Aceptar** y recibirá un mensaje que indica que el perfil de almacenamiento se creó correctamente. Presione **OK** en ese mensaje para borrarlo.

3. Aplicar el perfil de almacenamiento

Navegue hasta **Servidores > Perfiles de servicio** y seleccione su perfil de servicio. Haga clic en la pestaña **Almacenamiento** en la parte superior del perfil de servicio como se muestra en esta imagen.

æ	All	Servers / Service Profiles / root / Service Profile m2_test					
8	✓ Servers	General Storage	Network iSCSI vNICs	vMedia Policy Boot Order	Virtual Machines FC Zones		
-	✓ Service Profiles	Storage Profiles	ocal Disk Configuration Policy	vHBAs vHBA Initiator Groups	•		
뮮	▼ root 🕦						
	 alfedeli-esxi-01 	Actions		Storage Profile Policy			
	alfedeli-esxi-02	Modify Storage Profile		Name :			
	 alfedeli-esxi-03 			Description :			
	▶ alfedeli-esxi-04			Storage Profile Instance :			
_	 alfedeli-proxmox-01 						
	▶ m2_test	Local LUNs LUN	Set Controller Definitions	Security Policy Faults			
	 Sub-Organizations 	Ty Advanced Filter	Export 🖷 Print				
	✓ Service Profile Templates	Name	RAID Level	Size (MB)	Config State		
20	▼ root 🕦				No data available		
	 Service Template Standard 						
	 Sub-Organizations 						
	▼ Policies						
	▼ root 🕚						
	 Adapter Policies 						
	 BIOS Defaults 				🕀 Add 💼 Delete 🌒 Ir		

Seleccione el enlace Modificar perfil de almacenamiento como se muestra en esta imagen.

Servers / Service Profiles / root / Service Profile m2_	test					
General Storage Network ISCSI vNICs	vMedia Policy Boot Order Vi	irtual Machines FC Zones	Policies Server Details	CIMC Sessions FSN	VIF Paths Faults Events	
Storage Profiles Local Disk Configuration Policy	vHBAs vHBA Initiator Groups					
Actions Modify Storage Profile	Storage Profile Policy Name : Description :					
Local LUNS LUN Set Controller Definitions	Storage Prome instance : Security Policy Faults					
Ty Advanced Filter 🛧 Export 🖷 Print						\$
Name RAID Level	Size (MB)	Config State	Deploy Name	LUN ID	Drive State	
		🛞 Add 🏦 Delete 🌘				
Details						
Actions	LUN Detalls					
	Profile LUN Name :		Order	:		
	RAID Level :		Size (MB)	:		
	Configured Size (GB) :		Admin State	:		
	Config State :		Bootable	:		
	LUN New Name :		Referenced LU	N Name :		
	Deploy Name :		LUN ID	:		
	Drive State :					

En la Ventana Modificar Perfil de Almacenamiento:

- Seleccione la pestaña Storage Profile Policy
- En el menú desplegable Perfil de almacenamiento, seleccione el perfil creado anteriormente

como se muestra en esta imagen



Ahora su ventana debe tener el siguiente aspecto:

Modify Stora	age Profile		? ×
Specific Storage Pro	ofile Storage Profile Policy		
Storage Profile: m.2	?_raid1 ▼	Create Storage Pr	rofile
Name : m.2 Description : Pro LUNs	:_raid1 file for m.2 raid1 storage		
Local LUNs	LUN Set Controller Definitions	Security Policy	
Te Advanced Filte	er 🛉 Export 🚔 Print		
Name	Size (GB)	Order	Fractional Size (MB)
m.2	1	Not Applicable	0
			OK Cancel

	Network iSCSI vNICs	vMedia Policy Boot Or	er Virtual Machines EC	Zones Policies Se	rver Details	CIMC Sessions	ESM VIE Paths	Faults	Events
Storage Profiles Local	Disk Configuration Policy	vHBAs vHBA Initiator G	roups						
Actions		Storage Profile Policy							
Modify Storage Profile		Name Description Storage Profile Instance	: m.2_raid1 : Profile for m.2 raid1 storage : org-root/profile-m.2_raid1						
Local LUNS LUN Set	Controller Definitions	Security Policy Faults							
Ty Advanced Filter ↑ Exp	ort 🖷 Print								
Name	RAID Level	Size (MB)	Config State	Deploy N	ame	LUN ID		Drive State	
m.2	RAID 1 Mirrored	0	Not Applied						
Detalls			∃ ⊡ bbA ⊕	Delete 🚺 Info					
Details Actions		LUN Details	⊕ Add @ [Delete () Info					
Details Actions Set LUN Name		LUN Details Profile LUN Name		Delete 🕐 Info	Order	: Not Applic	able		
Details Actions Set LUN Name Rename Referenced LUI		LUN Details Profile LUN Name	• Add I I I m.2 RAID 1 Mirrored	Delete 🕐 Info	Order Size (MB)	: Not Applic : 0	able		
Details Actions Set LUN Name Rename Referenced LUI Set Online Set Undeelowed	N	LUN Details Profile LUN Name RAID Level Configured Size (GB)	Add ■ C m.2 RAID 1 Mirrored 1	Delete () Info	Order Size (MB) Admin State	: Not Applic : 0 : Undeploye	able		
Details Actions Set LUN Name Rename Referenced LUI Set Online Set Undeployed Claim Orphaned LUN		LUN Detalls Profile LUN Name RAID Level Configured Size (GB) Config State	Madd Constraints Market	belete () Info	Order Size (MB) Admin State Bootable	: Not Applic : 0 : Undeploys : Disabled	able		
Details Actions Set LUN Name Rename Referenced LUI Set Online Set Undeployed Claim Orphaned LUN		LUN Details Profile LUN Name RAID Level Configured Size (GB) Config State Deployed LUN Details LUN New Name	Med Contract of the second sec	Delete () Info	Order Size (MB) Admin State Bootable Referenced LUN I	: Not Applic : 0 : Undeploy : Disabled Name :	able		
Details Actions Set LUN Name Rename Referenced LUI Set Online Set Undeployed Claim Orphaned LUN		LUN Details Profile LUN Name RAID Level Configured Size (GB) Config State Deployed LUN Details LUN New Name Deploy Name	Med Control of the second seco	Delete () Info	Order Size (MB) Admin State Bootable Referenced LUN I	: Not Applic : 0 : Undeploye : Disabled Name : :	able		
Details Actions Set LUN Name Rename Referenced LUI Set Online Set Undeployed Claim Orphaned LUN	N	LUN Detalls Profile LUN Name RAID Level Configured Size (GB) Config State Deployed LUN Detalls LUN New Name Deploy Name Drive State	Market Add Constraints of the second	belete () Info	Order Size (MB) Admin State Bootable Referenced LUN I LUN ID	: Not Applic : 0 : Undeploys : Disabled Name : :	able		

Seleccione Aceptar en la ventana y ventana correcta.

Si la implementación automática está habilitada o inhabilitada, asegúrese de que el LUN local esté configurado en línea. Para configurar el LUN en línea, haga clic en el botón **Set Online** como se muestra en esta imagen.

General Storage Network iSCSI vN	ICs vMedia Policy Boot Order	Virtual Machines FC Zones	Policies Server Details	CIMC Sessions FSM	VIF Paths Faults Events
Storage Profiles Local Disk Configuration Pol	icy vHBAs vHBA Initiator Group	s			
Actions	Storage Profile Policy				
Modify Storage Profile	Name : m	.2_rald1			
	Description : Pr Storage Profile Instance : or	ofile for m.2 raid1 storage			
Local LUNs LUN Set Controller Definition	ns Security Policy Faults				
Ty Advanced Filter ↑ Export					¢
Name RAID Level	Size (MB)	Config State	Deploy Name	LUN ID	Drive State
m.2 RAID 1 Mirrore	d 0	Not Applied			
		🕀 Add 📋 Delete			
Details					
Actions	LUN Details				
Set LUN Name Rename Referenced LUN	Profile LUN Name : m.	2	Order	: Not Applicable	
Set Online	Configured Size (GB) : 1	ID I MIRTOREA	Admin State	: Undeployed	
Set Undeployed	Config State : No	t Applied	Bootable	Disabled	
Claim Orphaned LON	Deployed LUN Details		Deferment	I BI Nome -	
	Deploy Name		LUNID	:	
	Drive State :				
Detalls					
Actions					
Set LUN Nam	e				
Rename Refe	renced LUN				
Set Online					
Set Undeploy	ed				
Claim Orphan	ed LUN				

El LUN puede tardar un minuto en inicializarse y conectarse.

Una vez que el LUN está en línea, muestra un estado de **configuración aplicada** y el estado de **unidad óptima**.

4. Verifique El LUN.

Servers / Service Profiles / root / Service Profile m2_test

En la ficha **General** del perfil de servicio, haga clic en el enlace **Servidor asociado** como se muestra en esta imagen.

Servers / Service Profiles / root / Service Profile m2_test

General	Storage Network	ISCSI VNICs	vMedia Policy	Boot Order	Virtual Machines	FC Zones	Policies	Server Details	CIMC Sessions	FSM	VIF Paths	Faults	Events
Fault Summ	nary			Properties									
8		Δ	0	Pending Ac	ctivities								
0	0	0	1	Reboot now									
				Pending Di	isruptions : default	tValue							
Status				Pending Cl	hanges : operat	lonal-policies							
Overall Sta	itus : 📿 Config			(+) Detai	ils								
(+) Statu	is Details			Name	: m	2_test							
				User Label	:								
Actions				Description	: [
				Assot Too									
				Owner		cal							
Shutdown S	Server			Unique Ident	tifier : d8	31b94dc-8601-1	1e9-0000-00	000000001f					
Reset				UUID Pool	: alf	fedell_prod							
KVM Conso	ole >>			UUID Pool In	istance : org	g-root/uuid-pool-	-alfedeli_prod						
				Associated S	Server : sy:	s/chassis-1/blad	e-6						
Rename Se	rvice Profile			Service Profi	le Template :								
Create a Cl	one			Template Ins	stance :								
Create a Se	ervice Profile Template			Assign	ned Server or Se	erver Pool							
Disassociat	e Service Profile												
Change Ser	rvice Profile Association			Manag	gement IP Addre	ess							
				() Mainta	Dellau								
Bind to a Te	emplate			(+) Mainte	enance Policy								
Reapply Co	nfiguration												
Change Ma	intenance Policy												
Set UUID S	ync Behavior												
Change UU	ID												
Reset UUID	1												
Change Ma	nagement IP Address												
Modify vNIC	C/vHBA Placement												
Start Fault S	Suppression												
Suppression	n Task Properties												
Delete													

Vaya a Inventory> Storage> LUNs.

Seleccione la flecha desplegable situada a la izquierda de SATA 1 del controlador de almacenamiento. Debe ver Unidad virtual [su nombre de perfil de unidad]

La unidad debe haber configurado automáticamente su tamaño y estar en un estado **Operable**, **Equipado y Bootable** como se muestra en esta imagen.

General Inventory Virtual Machines Installed Firmware CIMC Sessions SEL Logs VIF Paths Health Diagnostics Faults Events FSI> Motherboard CIMC CPUs GPUs Memory Adapters HBAs NICs iSCSI vNICs Security Storage Persistent Memory VIE Controller LUNs Disks Security Faults FSI> FSI> Name Size (MB) Raid Type Config State Deploy Action Operability Presence Bootable Storage Controller PCH 1 Image: Storage Controller PCH 1 Image: Storage Controller PCH FSI> FSI> FSI>
Motherboard CIMC CPUs GPUs Memory Adapters HBAs NICs iSCSI vNICs Security Storage Persistent Memory Controller LUNs Disks Security France France France France France France + - - Adapters HBAs NICs iSCSi vNICs Security Storage Persistent Memory + - - Adapters - - - - - - Name _ Size (MB) - Raid Type Config State Deploy Action Operability Presence Bootable Storage Controller PCH 1
Controller LUNs Disks Security + - > Advanced Filter + Export Print ************************************
Name Size (MB) Raid Type Config State Deploy Action Operability Presence Bootable Storage Controller PCH 1 Image: Control PCH 1 Image: Controler PCH 1 Ima
Name Size (MB) Raid Type Config State Deploy Action Operability Presence Bootable Storage Controller PCH 1 <t< td=""></t<>
Storage Controller PCH 1
Storage Controller SAS 1
Forage Controller SATA 1
Virtual Drive m.2 228872 RAID 1 Mirrored Applied No Action Operable Equipped True
OK Apply Cancel Help

5. Configure el Orden de Inicio para arrancar de las matrices m.2.

En el perfil de servicio, seleccione la pestaña **Orden de arranque** como se muestra en esta imagen.

General Sto	rage Ne	etwork	iSCSI vNICs	vMedia Pol	icy	Boot Order	· V	/irtual Machines	FC Zones	
Storage Profiles	Local D	isk Config	uration Policy	vHBAs	VHBA	Initiator Grou	Jps			
Actions				Storage	Profil	e Policy				
Modify Storage Profile				Name		: 1	m.2_ra	aid1		
				Descript	ion	: 1	Profile	for m.2 raid1 sto	rage	
				Storage	Profile	e Instance : (org-ro	ot/profile-m.2_rai	d1	
Local LUNs	LUN Set	Controlle	er Definitions	Security Pol	icy	Faults				

Configure la política de inicio para utilizar **Uefi.** Después de instalar el medio (si lo hubiera), seleccione la opción **Agregar disco local**. A continuación se muestra un ejemplo de que la política de arranque podría no coincidir exactamente:

Modify Boot Policy

oot Order Reboot on Boot Order Enforce vNIC/vHBA/iS0 30ot Mode	Change : □ CSI Name : ♥ : ◯								
Enforce vNIC/vHBA/iS 3oot Mode	CSI Name : 🗹								
Boot Mode	: 🖸								
		Legacy	Uefi						
3oot Security	: 0								
ARNINGS:									
te type (primary/secor the effective order of b	ndary) does not oot devices with	indicate a b in the same	oot order p device cla	oresence. ass (LAN/Stora	ge/iSCSI)	is determined	by PCle bu	s scan orde	
Enforce vNIC/vHBA/Is it is not selected the	SCSI Name is so vNICs/vHBAs and	elected and e selected if	the vNIC/v	VHBA/ISCSI do	es not exis	st, a config er	ror will be re west PCIe b	eported. us scan orde	er is used
+ - Te Advanced	Filter A Export	t 🖷 Print		,					
Name	Order •	vNIC/v	Type	LUN Na	WWW.N	Slot Nu	Boot N	Boot Pa	Descrip
		viaio/v	1350	LON NO	VIIVIN	0101 110	5000 N	5000 Pd	peaulip
CD/DVD	1								
Local Disk	2								
	ARNINGS: he type (primary/seco he effective order of b Enforce vNIC/VHBA/ it is not selected, the + - 7/ Advanced Vame CD/DVD Local Disk	ARNINGS: ne type (primary/secondary) does not the effective order of boot devices with Enforce vNIC/vHBA/ISCSI Name is sit is not selected, the vNICs/vHBAs are + - */* Advanced Filter * Export Name Order • CD/DVD 1 Local Disk 2	ARNINGS: ne type (primary/secondary) does not indicate a bre effective order of boot devices within the same Enforce vNIC/vHBA/ISCSI Name is selected and it is not selected, the vNICs/vHBAs are selected if + - Tree Advanced Filter	ARNINGS: he type (primary/secondary) does not indicate a boot order procedure of boot devices within the same device cla Enforce vNIC/vHBA/ISCSI Name is selected and the vNIC/vit is not selected, the vNICs/vHBAs are selected if they exist + - Type Advanced Filter * Export Print Vame Order VNIC/v CD/DVD 1 Image: Colored to the	ARNINGS: he type (primary/secondary) does not indicate a boot order presence. he effective order of boot devices within the same device class (LAN/Stora Enforce vNIC/vHBA/ISCSI Name is selected and the vNIC/vHBA/ISCSI do it is not selected, the vNICs/vHBAs are selected if they exist, otherwise the + - VAdvanced Filter * Export * Print Vame Order _ CD/DVD 1 Local Disk 2	ARNINGS: he type (primary/secondary) does not indicate a boot order presence. he effective order of boot devices within the same device class (LAN/Storage/iSCSI) Enforce vNIC/vHBA/ISCSI Name is selected and the vNIC/vHBA/ISCSI does not exis is not selected, the vNICs/vHBAs are selected if they exist, otherwise the vNIC/vHB + - VAdvanced Filter	ARNINGS: he type (primary/secondary) does not indicate a boot order presence. he effective order of boot devices within the same device class (LAN/Storage/iSCSI) is determined Enforce vNIC/vHBA/ISCSI Name is selected and the vNIC/vHBA/ISCSI does not exist, a config en it is not selected, the vNICs/vHBAs are selected if they exist, otherwise the vNIC/vHBA with the low + - VAdvanced Filter	ARNINGS: he type (primary/secondary) does not indicate a boot order presence. he effective order of boot devices within the same device class (LAN/Storage/iSCSI) is determined by PCie bu Enforce vNIC/vHBA/ISCSI Name is selected and the vNIC/vHBA/ISCSI does not exist, a config error will be rr it is not selected, the vNICs/vHBAs are selected if they exist, otherwise the vNIC/vHBA with the lowest PCie be + - Vame Order _ VNIC/v Type LOcal Disk 2	ARNINGS: he type (primary/secondary) does not indicate a boot order presence. he effective order of boot devices within the same device class (LAN/Storage/ISCSI) is determined by PCIe bus scan order Enforce vNIC/vHBA/ISCSI Name is selected and the vNIC/vHBA/ISCSI does not exist, a config error will be reported. it is not selected, the vNICs/vHBAs are selected if they exist, otherwise the vNIC/vHBA with the lowest PCIe bus scan order + - VAdvanced Filter

Es posible que deba reiniciar el host para que se apliquen las configuraciones. Esto cambia el campo **Bootable** de **Disabled a Enabled** en el perfil de almacenamiento.

Verificación

Verifique Inventario > Almacenamiento > LUN > Estado de configuración aplicado

Troubleshoot

En esta sección se brinda información que puede utilizar para resolver problemas en su configuración.

Cuando se encuentra un LUN huérfano, seleccione el LUN y **Delete** it. Esto elimina todos y cada uno de los datos que existen en la matriz como se muestra en esta imagen.

? ×

cisco. UCS Manager

2 27

• **6 9 9 0** © ©

All + Equipment • Chassis • Chassis 1 🦁 Fans IO Modules PSUs · Servers Server 2 Server 3 Server 4 Server 4
Server 5
Server 6
Server 7 Rack-Mounts

Enclosures FEX Servers + Fabric Interconnects

· Policies

Al v						
Equipment	General Inventory Virtual Machines Installe	d Firmware CIMC Sessions	SEL Logs VIF Paths Healt	th Diagnostics Faults Events	FSM Statistics	Temperatures Power
▼ Chassis	Motherboard CIMC CPUs GPUs Mem	ory Adapters HBAs NIC	s ISCSI vNICs Security	Storage Persistent Memory		
🕶 Chassis 1 👽	Controller 1184e Dieke Society					
 Fans 	Controller Conto Disko Security					
 IO Modules 	+ - Ty Advanced Filter + Export - Print					¢
 PSUs 	Name Size (MB)	 Raid Type 	Config State De	ploy Action Operability	Presence	Bootable
▼ Servers	Storage Controller PCH 1					
 Server 2 	Storage Controller SAS 1					
 Server 3 	Storage Controller SATA 1					
 Server 4 	Virtual Drive m.2 228872	RAID 1 Mirrored	Ornhaned	Action Operable	Equipped	True
 Server 5 	THE STOCK	1000 1 10100			robableen	
🔸 Server 6 🛛 😨						
 Server 7 😗 	Actions	Properties				
 Rack-Mounts 	-					
Enclosures	Rename	Virtual Drive Name	: m.2	Size (MB)	228872	
FEX	Cal Transad Davids	Туре	: RAID 1 Mirrored	Block Size	: 512	
 Servers 		Available Size on Disk Group (M	B) : O	Number of Blocks	468729856	
 Fabric Interconnects 		ID	: 1000	Drive Security	: No	
 Fabric Interconnect A (primary) 😗 		Oper Device ID	: 0	Drive State	Optimal	
 Fabric Interconnect B (subordinate) 🦁 	Secure Virtual Drive	Strip Size (KB)	: 64	Access Policy	: Read Write	
 Policies 		Read Policy	Normal	Actual Write Cache Policy	Write Through	
Port Auto-Discovery Policy		IO Policy	Direct	Configured Write Cache P	olicu: Write Through	
		io Folicy	- Direct	Configured white Cache P		
		States	: True	Drive Cache	: No Change	
		Operability	Operable	Oper Qualifier Reason	: N/A	

Config State	Orphaned	Deploy A	Action : No Action	
Storage				
Profile Name				
Assigned To Server				
Service Profile				
Available Size On Disk Grou	up (MB) : 0			
Drive Members				
Slot ID	Role	Presence	Span ID	Operability Qualifier Reason
253	Normal	Equipped	Unspecified	N/A
254	Normal	Equipped	Unspecified	N/A