Install or Upgrade to ESXi 8.X on UCS C240 M6SX

Contents

Introduction						
Prerequisites						
Requirements						
Components Used						
Configure						
<u>Verify</u>						
<u>Froubleshoot</u>						

Introduction

This document describes the installation or Upgrade to ESXi 8.x on UCS 240 M6 Servers.

Prerequisites

ESXi - Operating System for VMWare UCS - Unified Computing System CIMC - Cisco Integrated Management Controller vKVM - Virtual Keyboard Video Mouse vDVD - Virtual DVD ISO - ISO Image UEFI - Unified Extensible Firmware Interface EULA - End User License Agreement VLAN - Virtual Local Area Network IPV4 - Internet Protocol version 4

Requirements

There are no specific requirements for this document.

Components Used

The information in this document is based on UCS C240 M6SX server.

Cisco Custom image filename = VMware-ESXi-8.0.U2-22380479-Custom-Cisco-4.3.2-c.iso

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

Step 1. Download the Cisco Custom Image for ESXi 8.x.

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Broadcom Download Page

Step 2.From the CIMC page, click Launch vKVM.

•	😕 diada Cisco	Integrated Management Cor	troller		÷ 🔽 1	admin@10.24.133.22 - C240-WZP26440VNX 🔅
A	/ Chassis / Sumr	mary 🚖			Refresh Host Power Launch vK	VM Ping CIMC Reboot Locator LED 😢 🚺
	Server Propert	ties	_	Cisco Integrated N	Anagement Controller (Cisco II	MC) Information
	Product Name:	UCS C240 M6SX		Hostname:	C240-WZP26440VNX	
	Serial Number:	WZP26440VNX		IP Address:	10.88.159.81	
	PID:	UCSC-C240-M6SX		MAC Address:	EC:F4:0C:33:BD:25	
	UUID:	5704BF40-FCA2-45A0-92FD-F0DEB90B38	00	Firmware Version:	4.3(2.230270)	
	BIOS Version:	C240M		Current Time (UTC):	Tue Jul 16 16:50:51 2024	
	Description:			Local Time:	Tue Jul 16 16:50:51 2024 UTC +0000 (Local)	
	Asset Tag:	Unknown		Timezone:	итс	Select Timezone
	Chassis Status	S	s	erver Utilization		
	Power	State: Off		Overall Utilizat	tion (%): N/A	
	Post Completion S	Status: Not-Completed		CPU Utilizat	tion (%): N/A	
	Overall Server S	Status: 🔻 Moderate Fault		Memory Utilizat	tion (%): N/A	
	Temper	rature: 🗹 Good		IO Utilizat	tion (%): N/A	
	Overall DIMM S	Status: 🔽 Good				
	Power Sup	pplies: 🔻 Fault				
		Fans: Sood				
	Locato	or LED: Off				
	Overall Storage S	Status: 🧧 Good				
L	aunch the vKVM					

Step 3. On the KVM page, click **Virtual Media** > **vKVM-Mapped vDVD**.

≡	cisco vKVM		KVI	I Console	UCSC-C240-	M6SX	WZP26440VI
5	Console	>					
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Ę	Chat		vKV	M-Mapped	vDVD		
			vKV	M-Mapped	vHDD		
			vKV	M-Mapped	vFDD		
			CIM	C-Mapped	vDVD		
			CIM	C-Mapped	vHDD		

vKVM Mapped vDVD

Step 4. Browse and select the **ISO Image Previously Downloaded**.

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Ċ)		Map Virtual Media - CD/DVD		
Q		Browse Selected File VMware-ESXI-8.0.U2-223 VMware-ESXI-8.0.U2-22380479-Custom-Cisco-4.3.2-cis		



Step 5. Click **Power > Power On System**.

	cisco vKVM	KVM Console UCSC-C240-M6SX	WZP26440VNX
5	Console		
1	File		
۲	View		
66 6	Macros		
≫	Tools		
Ċ	Power	Power On System	
\wedge	Boot Device		
Ē	Virtual Media		
ą	Chat		
			No Signal
			Reason: Host power is off
			Reason. Host power is on

Power On

Step 6. When the server is booting, press F6 to get the **Boot Menu**.



F6 for Boot Menu

Step 7. At the Boot Menu, select the UEFI: Cisco vKVM-Mapped vDVD2.00.

≡	vilualu cisco vKVM	KVM Console	UCSC-C240-M6SX	WZP26440VNX	袅 1	0	۲	admin 🕰
5	Console							
1	File							
0	View							
899 899	Macros							
×	Tools							
\bigcirc	Power			Please select boot device:				
\uparrow	Boot Device			Www.e.ESVi				
	Virtual Media			UEFI: Built-in EFI Shell				
Ð	Chat			UEFI: HTTP IPv4 Cisco X550-TX 10 Gig LOM UEFI: PXE IPv4 Cisco X550-TX 10 Gig LOM UEFI: HTTP IPv6 Cisco X550-TX 10 Gig LOM UEFI: HTTP IPv4 Cisco X550-TX 10 Gig LOM UEFI: PXE IPv4 Cisco X550-TX 10 Gig LOM UEFI: HTTP IPv6 Cisco X550-TX 10 Gig LOM UEFI: Cisco vKVM-Mapped vDVD2.00 Enter Setup				
				↑ and ↓ to move selection ENTER to select boot device ESC to boot using defaults				

Select the vDVD

Step 8. After the selection, ESXi starts loading the Installer.



ESXi Installer

Step 9. You are presented with the ESXi Install Welcome Screen to Continue or Cancel. Press **Enter** to Continue.



ESXi Welcome Screen

Step 10. After you continue, the EULA Screen is presented. Press F11 to Accept.



ESXi EULA Screen

Step 11. You are presented with the option to Select the Device to install the ESXi. Select the device and press **Enter**.



ESXi RAID Select

Step 12. Once the Device is selected, you are presented with the option to Install or Upgrade ESXi. Choose **Install** and press **Enter**.



ESXI Install or Upgrade

Step 13. ESXi Install Keyboard Selection. Select your Keyboard Option and press Enter.



ESXi Keyboard Select

Step 14. You are prompted to Configure the ESXi Root Password. Enter the **Password values**, **Confirm it**, and press **Enter**.



ESXi Password Config

Step 15. You Confirm the Install when you press F11.

≡	cisco vKVM	KVM Console	UCSC-C240-M6SX	WZP26440VNX	爲 1	0	۲	admin 🕰
Þ	Console			VMware ESXi 8.0.2 Installer				
1	File							
۲	View							
ŝ	Macros							
×	Tools							
Ċ	Power							
\uparrow	Boot Device							
۵	Virtual Media							
Q	Chat			Confirm Install				
				The installer is configured to : - install ESXi 8.0.2 on naa.62cf89bd3f94d5002dc2bec43e81e84a				
				Warning: This disk will be repartitioned.				
				(Esc) Cancel (F9) Back (F11) Install				

ESXi Confirm Install

Step 16. The install begins and shows in progress.









ESXi Install Complete

Step 18. ESXi Ejects the Virtual DVD and Reboots the Server to start for the first time.



ESXi Server Reboot

Step 19. ESXi Initial Screen after Reboot. Press F2 to Customize System.



ESXi Initial Screen

Step 20. Enter the values to Log in. Password was created at Install.



ESXi Log in Screen

Step 21. You are presented with the **System Customization**. Choose **Configure Management Network** and press **Enter**.



ESXi Configure Management

Step 22. Choose Network Adapters and Press Enter.



ESXi Management Configuration

Step 23. Select the Network Adapter for Management with the Space Bar and Press Enter.



Network Adapter Selection

Step 24. Choose VLAN (optional) and Enter the values if required, and Press Enter.



Vlan Config

Step 25. Choose IPV4 Configuration, Enter the values, and Press Enter.

≡	cisco vKVM	KVM Console UCSC-C240-M6SX	WZP26440VNX	용 1 📀 🖶 admin ይ
E	Console	Configure Management Net	uork	
1	File	Network Adapters		Automatic
۲	View	VLAN (optional)		IPv4 Address: 169.254.46.3
â	Macros	IPv4 Configuration IPv6 Configuration		Subnet Mask: 255.255.0.0 Default Gateway: Not set
×	Tools	Custon DNS Suffixes		This host can obtain an IPv4 address and other networking
U	Power			appropriate settings.
\uparrow	Boot Device		IPv4 Configuration	
۵	Virtual Media		This host can obtain network settings includes a DHCP server. If it does no	autonatically if your network
Q	Chat		specified:	the remaining sectings nest be
			() Disable IPv4 configuration for ma () Use dynamic IPv4 address and netwo (o) Set static IPv4 address and netwo IPv4 Address Subnet Mask Default Gateway (Up/Down> Select (Space> Mark Selecte	nagement network work configuration rk configuration: [10.88.159.02] [255.255.255.0] [10.80.159.254_] d <enter> OK <esc> Cance]</esc></enter>

■ twice VKVM VM Conside UGSC-C2494M8X WZP26440NX Image: 1 Ima

Step 26. Use the **Y** Key to Accept and restart the **Management Network**.

IPV4 Config Save

Step 27. Choose Test Management Network to test the Communication, and Press Enter to Exit.



Test Mangement Network

Verify

There is currently no verification procedure available for this configuration.

Troubleshoot

There is currently no specific troubleshooting information available for this configuration.