Managing Remote Presence

This chapter includes the following sections:

- Configuring Serial Over LAN, on page 1
- Configuring Virtual Media, on page 3
- Virtual KVM Console, on page 10
- Launching KVM Console, on page 11
- Virtual KVM Console - Cisco UCS C-Series M6 and Later Servers, on page 11
- Configuring the Virtual KVM, on page 24

Configuring Serial Over LAN

Serial over LAN enables the input and output of the serial port of a managed system to be redirected over IP. Configure and use serial over LAN on your server when you want to reach the host console with Cisco IMC.

Important You cannot use native serial redirection and serial over LAN simultaneously.

Before you begin

You must log in as a user with admin privileges to configure serial over LAN.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.

Step 2 In the **Compute** menu, select a server.

Step 3 In the work pane, click the **Remote Management** tab.

Step 4 In the **Remote Presence** pane, click the **Serial over LAN** tab.

Step 5 In the **Serial over LAN Properties** area, update the following properties:

Name	Description
Enabled check box	If checked, Serial over LAN (SoL) is enabled on this server.

Name	Description
Baud Rate drop-down list	The baud rate the system uses for SoL communication. This can be one of the following: • **9600 bps** • **19.2 kbps** • **38.4 kbps** • **57.6 kbps** • **115.2 kbps**
Com Port drop-down list	The serial port through which the system routes SoL communication. You can select one of the following: • **com0**—SoL communication is routed through COM port 0, an externally accessible serial port that supports either a physical RJ45 connection to an external device or a virtual SoL connection to a network device. If you select this option, the system enables SoL and disables the RJ45 connection, which means that the server can no longer support an external serial device. • **com1**—SoL communication is routed through COM port 1, an internal port accessible only through SoL. If you select this option, you can use SoL on COM port 1 and the physical RJ45 connection on COM port 0. **Note** Changing the Com Port setting disconnects any existing SoL sessions.
SSH Port filed	The port through which you can access Serial over LAN directly. The port enables you to by-pass the Cisco IMC shell to provide direct access to SoL. The valid range is 1024 to 65535. The default value is 2400. **Note** Changing the SSH Port setting disconnects any existing SSH sessions.

Step 6 Click **Save Changes**.

Configuring Virtual Media

Before you begin

You must log in as a user with admin privileges to configure virtual media.

Procedure

Step 1 In the **Navigation** pane, click **Compute**.

Step 2 In the **Compute** menu, select a server.

Step 3 Click the **Remote Management** tab.

Step 4 In the **Remote Management** tab, click the **Virtual Media** tab.

Step 5 In the **vKVM Console Based vMedia Properties Area**, update the following properties:

Name	Description
Enabled check box	If checked, virtual media is enabled. **Note** If you clear this check box, all virtual media devices are automatically detached from the host.
Active Sessions field	The number of virtual media sessions that are currently running.
Low Power USB Enabled check box	If checked, low power USB is enabled. If the low power USB is enabled, after mapping the ISO and rebooting the host, the virtual drives appear on the boot selection menu. But, while mapping an ISO to a server that has a UCS VIC P81E card and the NIC is in Cisco Card mode, this option must be disabled for the virtual drives to appear on the boot selection menu.

Step 6 Click **Save Changes**.

Creating a Cisco IMC Mapped vMedia Volume

Before you begin

You must log in with admin privileges to perform this task.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.

Step 2 In the **Compute** menu, select a server.

Step 3 In the work pane, click the **Remote Management** tab.

Step 4 In the **Remote Management** tab, click the **Virtual Media** tab

Step 5 In the **Current Mappings** area, click **Add New Mapping**.

Step 6 In the **Add New Mapping** dialog box, update the following fields:

Name	Description
Volume field	The identity of the image mounted for mapping.
Mount Type drop-down list	The type of mapping. This can be one of the following: **Note** Ensure that the communication port of the mount type that you choose is enabled on the switch. For example, when you are using CIFS as your mount type, ensure port 445 (which is its communication port) is enabled on the switch. Similarly, enable ports 80 for HTTP, 443 for HTTPS and 2049 for NFS when you use them. • **NFS**—Network File System. • **CIFS**—Common Internet File System. • **WWW(HTTP/HTTPS)**—HTTP-based or HTTPS-based system. **Note** Before mounting the virtual media, Cisco IMC tries to verify reachability to the end server by pinging the server.
Remote Share field	The URL of the image to be mapped. The format depends on the selected **Mount Type**: • **NFS**—Use **`serverip:/share`**. • **CIFS**—Use **`//serverip/share`**. • **WWW(HTTP/HTTPS)**—Use **`http[s]://serverip/share`**.
Remote File field	The name and location of the .iso or .img file in the remote share.

Name	Description
Mount Options field	

Name	Description
	Industry-standard mount options entered in a comma separated list. The options vary depending on the selected **Mount Type**. If you are using **NFS**, leave the field blank or enter one or more of the following: • **ro** • **rw** **Note** The folder, which is shared, should have write permissions to use read-write option. Read-write option is available only for .img files. • **nolock** • **noexec** • **soft** • **port=VALUE** • **timeo=VALUE** • **retry=VALUE** • **rsize=VALUE** • **wsize=VALUE** • **vers=VALUE** If you are using **CIFS**, leave the field blank or enter one or more of the following: • **ro** • **rw** **Note** The folder, which is shared, should have write permissions to use read-write option. Read-write option is available only for .img files. • **soft** • **nounix** • **noserverino** • **guest** • **username=VALUE**—ignored if **guest** is entered. • **password=VALUE**—ignored if **guest** is entered. • **sec=VALUE**

Name	Description
	The protocol to use for authentication when communicating with the remote server. Depending on the configuration of CIFS share, **VALUE** could be one of the following: • **None**—No authentication is used • **Ntlm**—NT LAN Manager (NTLM) security protocol. Use this option only with Windows 2008 R2 and Windows 2012 R2. • **Ntlmi**—NTLMi security protocol. Use this option only when you enable Digital Signing in the CIFS Windows server. • **Ntlmssp**—NT LAN Manager Security Support Provider (NTLMSSP) protocol. Use this option only with Windows 2008 R2 and Windows 2012 R2. • **Ntlmsspi**—NTLMSSPi protocol. Use this option only when you enable Digital Signing in the CIFS Windows server. • **Ntlmv2**—NTLMv2 security protocol. Use this option only with Samba Linux. • **Ntlmv2i**—NTLMv2i security protocol. Use this option only with Samba Linux. • `vers=VALUE` **Note** The format of the VALUE should be *x.x* If you are using **WWW(HTTP/HTTPS)**, leave the field blank or enter the following: • `noauto` **Note** Before mounting the virtual media, Cisco IMC tries to verify reachability to the end server by pinging the server. • `username=VALUE` • `password=VALUE`
User Name field	The username for the specified **Mount Type**, if required.
Password field	The password for the selected username, if required.

Step 7 Click **Save**.

Viewing Cisco IMC-Mapped vMedia Volume Properties

Before you begin

You must log in with admin privileges to perform this task.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.

Step 2 In the **Compute** menu, select a server.

Step 3 In the work pane, click the **Remote Management** tab.

Step 4 In the **Remote Management** tab, click the **Virtual Media** tab

Step 5 Select a row from the **Current Mappings** table.

Step 6 Click **Properties** and review the following information:

Name	Description
Add New Mapping button	Opens a dialog box that allows you to add a new image.
Properties button	Opens a dialog box that allows you to view or change the properties for the selected image.
Unmap button	Unmaps the mounted vMedia.
Last Mapping Status	The status of the last mapping attempted.
Volume column	The identity of the image.
Mount Type drop-down list	The type of mapping.
Remote Share field	The URL of the image.
Remote File field	The exact file location of the image.
Status field	The current status of the map. This can be one of the following: • **OK**—The mapping is successful. • **In Progress**—The mapping is in progress. • **Stale**—Cisco IMC displays a text string with the reason why the mapping is stale. • **Error**—Cisco IMC displays a text string with the reason for the error.

Removing a Cisco IMC-Mapped vMedia Volume

Before you begin

You must log in with admin privileges to perform this task.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.
Step 2 In the **Compute** menu, select a server.
Step 3 In the work pane, click the **Remote Management** tab.
Step 4 In the **Remote Management** tab, click the **Virtual Media** tab
Step 5 Select a row from the **Current Mappings** table.
Step 6 Click **Unmap**.

Remapping an Existing Cisco IMC vMedia Image

Before you begin

You must log in with admin privileges to perform this task.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.
Step 2 In the **Compute** menu, select a server.
Step 3 In the work pane, click the **Remote Management** tab.
Step 4 In the **Remote Management** tab, click the **Virtual Media** tab
Step 5 Select a row from the **Current Mappings** table.
Step 6 Click **Remap**.

Deleting a Cisco IMC vMedia Image

Before you begin

You must log in with admin privileges to perform this task.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.
Step 2 In the **Compute** menu, select a server.
Step 3 In the work pane, click the **Remote Management** tab.
Step 4 In the **Remote Management** tab, click the **Virtual Media** tab
Step 5 Select a row from the **Current Mappings** table.
Step 6 Click **Delete**.

Virtual KVM Console

The vKVM console is an interface accessible from Cisco IMC that emulates a direct keyboard, video, and mouse (vKVM) connection to the server. The vKVM console allows you to connect to the server from a remote location.

Here are a few major advantages of using Cisco KVM Console:

- The Cisco KVM console provides connection to KVM, SOL, and vMedia whereas the Avocent KVM provides connection only to KVM and vMedia.
- In the KVM Console, the vMedia connection is established at the KVM Launch Manager and is available for all users.
- The KVM console offers you an advanced character replacement options for the unsupported characters while pasting text from the guest to the host.
- The KVM console provides you an ability to store the vMedia mappings on CIMC.

Instead of using CD/DVD or floppy drives physically connected to the server, the vKVM console uses virtual media, which are actual disk drives or disk image files that are mapped to virtual CD/DVD or floppy drives. You can map any of the following to a virtual drive:

- CD/DVD or floppy drive on your computer
- Disk image files (ISO or IMG files) on your computer
- USB flash drive on your computer
- CD/DVD or floppy drive on the network
- Disk image files (ISO or IMG files) on the network
- USB flash drive on the network

You can use the vKVM console to install an OS on the server.

Launching KVM Console

You can launch the KVM console from either the Home page or from the Remote Management area.

Procedure

Step 1 To launch the console from Home page, in the **Navigation** pane, click the **Chassis** menu.
Step 2 In the **Chassis** menu, click **Summary**.
Step 3 From the tool bar, click **Launch vKVM**.
Step 4 Alternatively, in the **Navigation** pane, click the **Compute** menu.
Step 5 In the **Compute** menu, select a server.
Step 6 In the work pane, click the **Remote Management** tab.
Step 7 In the **Remote Management** pane, click the **Virtual KVM** tab.
Step 8 In the **Virtual vKVM** tab, click **Launch vKVM console**.
Step 9 Required: Click the URL link displayed in the pop-up window to load the client application. You need to click the link every time you launch the vKVM console.

Virtual KVM Console - Cisco UCS C-Series M6 and Later Servers

The vKVM console is an interface accessible from Cisco IMC that emulates a direct keyboard, video, and mouse (vKVM) connection to the server. It allows you to connect to and control the server from a remote location and to map physical locations to virtual drives that can by accessed by the server during this vKVM session.

Beginning with release 4.2(1a), Cisco IMC provides Cisco based vKVM console for C-Series M6 servers with the following options:

Console Menu

Menu Item	Description
KVM	Selects KVM (Keyboard Video and Mouse) as the active console.
SOL	Selects SOL (Serial Over LAN) as the active console. **Note** **SOL** is not visible if SOL is inactive, instead **Activate SOL** is visible.

Menu Item	Description
Activate SOL	Allows you to login to SOL session using user name and password. **Note** **Activate SOL** option is visible only when SOL session is not active for any reason.

File Menu

Menu Item	Description
Paste Clipboard Text	Opens the **Paste Clipboard Text** dialog box that allows you to paste content.

Menu Item	Description

Paste Clipboard Text dialog box	**Note**
	This option is supported only in KVM console. Unsupported character handling is found only in KVM console because it supports English characters only. SOL console supports all Unicode characters.
	
	Paste Clipboard Text dialog box has the following options:
	• **When an unsupported character is found in pasted text:** drop-down list:
	  • Ignore all unsupported characters—Ignores all the unsupported characters in the text.
	  • Cancel the paste operation—Cancels the send operation.
	  • Replace the character(s) with a mapped value—If the character is not mapped, opens the **Unsupported Character** dialog box.
	  • Ask what to do with character—Opens the **Unsupported Character** dialog box.
	• **Character Mapping** button—Opens the sub-menu to edit/delete character mappings. Character mappings replace the unsupported character with a user-defined string (no character length).
	• **Save** button—Saves the option selected for **When an unsupported character is found in pasted text:** drop-down list.
	Note
	This option is visible only when the setting is updated.
	• **Enter Text to Paste** field
	• **Send** button—Sends the text.

Capture to File	Opens the **Save** dialog box that allows you to save the current screen as a PNG image.

Table 1: Unsupported Character dialog box

Option	Description
Character context	Group of 11 characters where the unsupported character is found. Five characters before and five characters after the unsupported character. However, more characters from before or after the unsupported character are pulled if enough characters after or before are not available to make 11 characters.
Choose what to do with the unsupported character drop-down list	Allows you to select one of the following actions: • Ignore the character(s)—Provides additional options to determine unsupported character(s) to ignore. • Cancel the paste operation—Cancels the operation. Replace the character(s)—Provides additional options to determine what to replace the unsupported character(s) with.
Replacement field	**Note** This option is visible only for **Replace the character(s)** option. Enter a replacement character.
Store a mapping of this replacement to the unsupported character check box	**Note** This option is visible only for **Replace the character(s)** option. Allows you to save the character mapping.
Repeat this action for all *unsupported_character* characters check box	Repeats the selected action for all instances of the unsupported character being evaluated.
Repeat this action for all unsupported characters check box	**Note** This option is not visible only for **Cancel the paste operation** option. Allows you to save the same action for the same unsupported character.

View Menu

Menu Item	Description
Refresh	Updates the console display with the current video output of the server. **Note** This option is supported only in KVM console.
Video Quality	You can select one of the following from the sub-menu: • **High** • **Medium** • **Low** • **Ultra Low** **Note** This option is supported only in KVM console.
Clear SOL Console	Clears the Cisco SOL terminal. **Note** This option is supported only in SOL console.
Full Screen	Expands the vKVM console so that it fills the entire screen.

Macro menu

Note **Macro** menu is supported only in KVM console.

Menu Item	Description
Static Macros	Displays a predefined set of macros sub-menu.
User Defined Macros	Displays a user defined set of macros sub-menu.

Menu Item	Description
Manage	Opens the **Manage Macros** dialog box, which allows you to add, delete, edit macros; restore the predefined set of macros; and assign hotkey to a macro.
	To create a new macro, click **Macros** > **Manager Macros** > **Create New Macro** Opens the **Create New Macro** dialog box. • **Enter keystrokes for new user defined macro**—Enter the desired key(s). • **Special Characters** drop-down list—Select the desired special character and click **Add**. • **Create** button—Save the new macro.
	To restore predefined set of macros, click **Macros** > **Manager Macros** > **Restore Static Macros**.

Tools Menu

Menu Item	Description
Stats	

Menu Item	Description

	Opens the **Stats** dialog box:
	KVM Stats:
	• **Total Bytes Rec**—Total bytes received.
	• **Total Bytes Sent**—Total bytes sent.
	• **Rx Bandwidth**—Received bandwidth measured in the number of KBs per second.
	• **Tx Bandwidth**—Transmitted bandwidth measured in the number of KBs per second.
	• **Frame Rate**—Frame rate measured in the number of frames per second.
	• **Video Tile Rate**—Video tiles rendered per second.
	When vMedia is activated, the **vKVM-Mapped vMedia Stats** area displays the following:
	• **Total Bytes Rec**—Total bytes received.
	• **Total Bytes Sent**—Total bytes sent.
	• **Device**—The type of local device.
	• **Mapped File**—The type of local device or image file to which the host server device is mapped.
	• **Duration**—The elapsed time of the device to map.
	• **Read Bytes**—The number of bytes read from the vKVM media.
	• **Write Bytes**—The number of bytes written to the vKVM media.
	• **Owner**—The user who mapped the media to the browser.
	CIMC-Mapped vMedia Stats area displays the following:
	• **Device**—The type of local device.
	• **Mapped File**—The type of local device or image file to which the host server device is mapped.
	• **Device Status**—Possible device status:
	  • device mount in progress
	  • device mounted

Menu Item	Description
	• device eject in progress • ejected from host Following are the error status • mount failed • unmount failed • connection timed out • file server rejected connection • file server rejected credentials • file server path not found • file not found • file(s) still in use • open file as read only failed • open file as read/write failed • file input/output failed • HTTP server did not return content length • HTTP server does not support range request • invalid parameters • invalid device usage • invalid device type
Session User List	Opens the **Session User List** dialog box that shows all the user IDs that have an active vKVM session. The same can be accessed from the **Session User List** icon on top.
Keyboard	Displays the virtual keyboard for the vKVM console, which you can use to input data. **Note** This option is supported only in SOL console.
USB Reset	Provides you an option to reset keyboard, mouse, and virtual media. **Note** Resetting any USB connection affects all the input to the server including virtual media, keyboard, and mouse.

Power Menu

Menu Item	Description
Power On System	Powers on the system. This option is disabled when the system is powered on and it is enabled when the system is not powered.
Power Off System	Powers off the system from the virtual console session. This option is enabled when the system is powered on and disabled when the system is not powered on.
Reset System	Reboots the system without powering it off. This option is enabled when the system is powered on and disabled when the system is not powered on.
Power Cycle System	Turns off system and then back on. This option is enabled when the system is powered on and disabled when the system is not powered on.

Boot Device Menu

Name	Description
No Override	Enables the host to boot to the first device configured.
Boot Device list	A list of boot devices that the server uses to boot from only for the next server boot, without disrupting the currently configured boot order. Once the server boots from the one time boot device, all its future reboots occur from the previously configured boot order. A maximum of 15 devices are displayed on the vKVM console.

Virtual Media Menu

Name	Description
Create Image	Allows you to create an ISO image. Drag and drop files or folders in the **Create Image** dialog box; these files or folders are converted to an ISO image. You can use the **Download ISO Image** button to save the ISO image to your local machine. **Note** **Create Image** option is not available in Safari browser.

Name	Description
Activate vMedia	Allows you to login to vMedia session using user name and password. **Note** **Activate vMedia** option is visible only when vMedia session is not active for any reason. If **Activate vMedia** otion is visible, other vMedia options are not displayed.
vKVM-Mapped vDVD	Opens the **Map Virtual Media - CD/DVD** dialog box, which allows you to select an ISO image from your local computer and map the drive. **Note** Virtual Media is not available for read-only users.
vKVM-Mapped vHDD	Opens the **Map Virtual Media - Removable Disk** dialog box, which allows you to select an ISO image from your local computer and map the drive. **Note** Virtual Media is not available for read-only users.
vKVM-Mapped vFDD	Opens the **Map Virtual Media - Floppy Disk** dialog box, which allows you to select an ISO image from your local computer and map the drive. **Note** Virtual Media is not available for read-only users.
CIMC-Mapped vDVD	Opens the **Map Virtual Media - CD/DVD** dialog box, which allows you to select an ISO image from your local computer and map the drive. It also allows you to save, edit, and delete mappings. For more information on mount options, see Table 2: Add New Mapping Dialog Box, on page 22. **Note** Virtual Media is not available for read-only users.
CIMC-Mapped vHDD	Opens the **Map Virtual Media - CD/DVD** dialog box, which allows you to select an ISO image from your local computer and map the drive. It also allows you to save, edit, and delete mappings. For more information on mount options, see Table 2: Add New Mapping Dialog Box, on page 22. **Note** Virtual Media is not available for read-only users.

Table 2: Add New Mapping Dialog Box

Name	Description
Name field	User defined name of the virtual media.
NFS button	Network File System based mapping.
CIFS button	Common Internet File System based mapping.
HTTP/S	HTTP-based or HTTPS-based mapping.
File Location field	Location of the .iso file in the following format: • *<IP Address or DNS Name>*[:*Port*]/*.iso file path*
Username field	**Note** Available only for **CIFS** and **HTTP/S** based mappings. The username, if any.
Password field	**Note** Available only for **CIFS** and **HTTP/S** based mappings. The password for the selected username, if any.

Mount Options field	**Note**
	Available only for **CIFS** and **NFS** based mappings.
	
	The selected mount options.
	• NFS—For NFS, either leave the field blank or enter one or more of the following:
	  • wsize=VALUE
	  • vers=VALUE
	  • timeo=VALUE
	  • retrans=VALUE
	  • retry=VALUE
	  • rsize=VALUE
	• For CIFS, either leave the field blank or enter one or more of the following:
	  • nounix
	  • noserverino
	  • sec=VALUE
	  • vers=VALUE

Name	Description
Auto-remap check box	Cisco IMC automatically remaps the device when the host system ejects the media.
Stored vMedia button	Opens an additional area on the right to select stored vMedia from the respective list.
Save button	Saves the vMedia.
Map Drive button	Saves and maps the mounted vMedia.
CD/DVD panel	Provides a list of stored vMedia. If you are mapping using **CIMC-Mapped vDVD** option, then you can also edit or delete any vMedia from this list.
Removable Disk panel	Provides a list of stored vMedia. If you are mapping using **CIMC-Mapped vHDD** option, then you can also edit or delete any vMedia from this list.

Chat Menu

Menu Item	Description
Chat	Opens the **Chat** box to communicate with other users.

Help Icon

Name	Description
Take a Site Tour	Provides a quick interactive tour of the new console.
Help Topics	Clicking this option brings you back to this window.
About	Displays the version number of the Cisco vKVM console.

Language Icon

Shows a drop-down list of the supported languages. You can select desired language from the list.

Profile Menu Icon

The **Profile Menu** icon is located on the top right hand corner of the console.

Name	Description
Role	Displays your user role name.
Server	Displays the host name or IP address.

Name	Description

Settings	Opens the **Settings** dialog box:
	• **Maintain Aspect Ratio** toggle—Maintains the aspect ratio of the viewer window.
	• **Mouse Mode**
	  • **Absolute Positioning**—Cursor position in the view mirrors the local machine cursor position.
	  • **Relative Positioning**—Cursor position in the view is calculated relative to the previous position.
	• **Video Inactivity Timeout** drop-down list—Allows you to select preset time period or inactivity on the console after which the console video times out.
	• **Number of terminal scrollback lines** field—Allows you to configure the number of lines which can be scrolled for Cisco SOL terminal.
	• **Theme**—Allows you to toggle between dark and light theme.
	• **Save** button—Saves the settings for all users.

Sign Out	Signs out and closes the vKVM console.

Configuring the Virtual KVM

Before you begin

You must log in as a user with admin privileges to configure the virtual KVM.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.

Step 2 In the **Compute** menu, select a server.

Step 3 In the work pane, click the **Remote Management** tab.

Step 4 In the **Remote Management** pane, click the **Virtual KVM** tab.

Step 5 In the **vKVM Properties** area on the **Virtual KVM** tab, complete the following fields:

Name	Description
Enabled check box	If checked, the virtual KVM is enabled. **Note** The virtual media viewer is accessed through the KVM. If you disable the KVM console, Cisco IMC also disables access to all virtual media devices attached to the host.
Max Sessions drop-down list	The maximum number of concurrent KVM sessions allowed. You can select any number between 1 and 4.
Active Sessions field	The number of KVM sessions running on the server.
Remote Port field	The port used for KVM communication.
Enable Video Encryption check box	If checked, the server encrypts all video information sent through the KVM.
Enable Local Server Video check box	If checked, the KVM session is also displayed on any monitor attached to the server.

Step 6 Click **Save Changes**.

Enabling the Virtual KVM

Before you begin

You must log in as a user with admin privileges to enable the virtual KVM.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.
Step 2 In the **Compute** menu, select a server.
Step 3 In the work pane, click the **Remote Management** tab.
Step 4 In the **Remote Management** pane, click the **Virtual KVM** tab.
Step 5 On the **Virtual KVM** tab, check the **Enabled** check box.
Step 6 Click **Save Changes**.

Disabling the Virtual KVM

Before you begin

You must log in as a user with admin privileges to disable the virtual KVM.

Procedure

Step 1 In the **Navigation** pane, click the **Compute** menu.

Step 2 In the **Compute** menu, select a server.

Step 3 In the work pane, click the **Remote Management** tab.

Step 4 In the **Remote Management** pane, click the **Virtual KVM** tab.

Step 5 On the **Virtual KVM** tab, uncheck the **Enabled** check box.

Step 6 Click **Save Changes**.