



Additional Functions

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Connect to the Console

You can physically connect to the console on the server using the VGA port or the serial port on the server.

The baud rate should be 9600 while connecting to the console using the serial port. See [Set the Baud Rate, on page 3](#).

You can also connect to the console remotely using the following options:

- Serial over LAN
- Using vKVM

Connect to the Console Using Serial Over LAN

You can use a terminal server to connect to the serial port of the appliance or use Serial over Lan (SOL) to connect to the serial console over the network.

To enable Serial over LAN (SOL):

Procedure

- Step 1** Launch CIMC and log in using your username and password configured in [Set the Appliance](#).
- Step 2** Select **Compute > Remote Management > Serial Over LAN**.
- Step 3** Check the check box **Enabled**.

The screenshot displays the Cisco Integrated Management Center (CIMC) interface. The left sidebar shows a navigation menu with 'Compute' highlighted. The main content area shows the 'Remote Management' tab selected, with 'Serial over LAN' also highlighted. Below this, the 'Serial over LAN Properties' section is visible, containing the following configuration:

| Property | Value |
|-----------|-------------------------------------|
| Enabled | <input checked="" type="checkbox"/> |
| Baud Rate | 9600 bps |
| Com Port | com0 |
| SSH Port | 2400 |

Step 4 Connect to CIMC using SSH.

Step 5 Enter these commands in the following sequence:

- **scope sol**
- **show**

Serial over LAN must be enabled. If it is not enabled, use the user interface to enable it.

- **connect host**

Step 6 Close Network Connection to Exit.

Connect to the vKVM Console

Procedure

- Step 1** Launch CIMC and log in using your username and password configured in [Set the Appliance](#).
- Step 2** Choose **Chassis > Summary**.
- Step 3** Click **Launch KVM** link and select **Java based KVM or HTML based KVM** to open KVM Console .
The Security Warning dialogue box opens.
- Step 4** Click **Continue**.
The vKVM console is downloaded and the credentials are verified.
- Step 5** Click **Run** to install the KVM console.
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Set the Baud Rate

Procedure

- Step 1** Launch CIMC.
- Step 2** Select **Compute > BIOS** .
- Step 3** Click **Configure BIOS**.
The **Configure BIOS Parameter** dialog box opens.
- Step 4** Click **Advanced** Tab
- Step 5** Expand **Serial Configuration**.
- Step 6** Select 9600 from the **Bits Second field** drop-down list.
- Step 7** Click **Save**.
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DVD Mount Options

To re-image the appliance from an *iso* file the DVD mount options available are:

The following DVD mounting options are available:

- Physical DVD Mount

Burn the *iso* file to a DVD and mount it through a physical DVD drive connected to the USB port of the appliance. A physical DVD mount is used when CIMC remote management is not configured. This is the fastest option.

- CIMC mapped vMedia

- The *iso* file is on the HTTPS, CIFS or NFS server and the speed depends on the Prime Infrastructure Server and File-Server bandwidth. The client server must remain connected till the installation is completed. This is the preferred mode for mounting the *iso* file.
- vKVM DVD mount
- The *iso* file can also be mounted using a virtual console. The *iso* file is on client machine and the speed depends on server appliance bandwidth.

Mount vKVM DVD

The virtual KVM console (vKVM) is an interface accessible from CIMC that emulates a direct keyboard, video, and mouse connection to the server.

To mount an *iso* file from the desktop client using the vKVM DVD mount:

Procedure

- Step 1** Connect to the vKVM console. See [Connect to the vKVM Console](#) for more details.
- Step 2** Click **Continue** in the **Warning-Security** dialog box to launch the **vKVM Console**.
- Step 3** Select **Virtual Media > Activate Virtual Devices**.
The **Uncrypted Virtual Media Session** dialogue box opens.
- Step 4** Select the radio button **Accept this session**.
- Step 5** Click **Apply**.
The Virtual Device is activated.
- Step 6** Select **Virtual Media > Map CD/DVD** and browse to the Prime Infrastructure 3.4 ISO image on your computer.
After mounting the vKVM DVD continue with Installing the ISO on the Appliance
- Step 7** Click **Map Device** to mount the ISO image.
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Mount a CIMC vMedia DVD

To mount an iso file from CIFS, NFS, HTTP server as a virtual DVD drive on the appliance:

Procedure

- Step 1** Launch CIMC and log in using your username and password configured in [Set the Appliance](#).
- Step 2** Select **Compute > Remote Management**.
- Step 3** Click **Virtual Media** and expand **Cisco IMC-Mapped vMedia**.
- Step 4** Click **Add New Mapping** under **Current Mappings**.
- Step 5** Enter the following parameters:

- Volume
- Remote Share
- Remote File
- Mount Options
- User Name
- Password

Step 6 Click **Save**.

Password Recovery

You can recover (that is, reset) administrator passwords on Prime Infrastructure physical appliances. See *How to Recover Administrator Passwords on Physical Appliances* in the [Cisco Prime Infrastructure Administrator Guide](#) for more information.

Related Documentation

- Cisco Integrated Management Controller documentation:
<http://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-c-series-integrated-management-controllers/products-support-series-home.html>
- Cisco UCS C220 M4 Rack Server Specifications Sheet:
<http://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/c220m4-sff-spec-sheet.pdf>
- Cisco UCS C220 Server Installation and Service Guide:
http://www.cisco.com/c/en/td/docs/unified_computing/ucs/hw/C220/install/C220.html
- Cisco UCS C220 M5 Rack Server Specifications Sheet:
<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rack-servers/c220m5-sff-specsheet.pdf>
- Cisco UCS C220 Server Installation and Service Guide:
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/hw/C240M5/install/C240M5.html

