



Overview

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Overview of the Cisco UCS C-Series Rack-Mount Servers

The Cisco UCS C-Series rack-mount servers include the following models:

- Cisco UCS C200 Rack-Mount Server
- Cisco UCS C210 Rack-Mount Server
- Cisco UCS C250 Rack-Mount Server
- Cisco UCS C260 Rack-Mount Server
- Cisco UCS C460 Rack-Mount Server



Note

To determine which Cisco UCS C-Series rack-mount servers are supported by this firmware release, see the *Release Notes for Cisco Integrated Management Controller*.

Overview of the Server Software

The Cisco UCS C-Series Rack-Mount Server ships with two major software systems installed.

CIMC Firmware

CIMC is a separate management module built into the motherboard. A dedicated ARM-based processor, separate from the main server CPU, runs the CIMC firmware. The system ships with a running version of the CIMC firmware. You can update the CIMC firmware, but no initial installation is needed.

Server OS

The main server CPU runs an OS such as Windows or Linux. The server ships with a pre-installed OS, but you can install a different OS using the DVD drive or over the network. You can use CIMC to install the new OS using the KVM console and vMedia.

**Note**

You can access the available OS installation documentation from the *Cisco UCS C-Series Servers Documentation Roadmap* at <http://www.cisco.com/go/unifiedcomputing/c-series-doc>.

Cisco Integrated Management Controller

The CIMC is the management service for the C-Series servers. CIMC runs within the server.

**Note**

The CIMC management service is used only when the server is operating in Standalone Mode. If your C-Series server is integrated into a UCS system, you must manage it using UCS Manager. For information about using UCS Manager, see the configuration guides listed in the *Cisco UCS B-Series Servers Documentation Roadmap* at <http://www.cisco.com/go/unifiedcomputing/b-series-doc>.

Management Interfaces

You can use a web-based GUI or SSH-based CLI to access, configure, administer, and monitor the server. Almost all tasks can be performed in either interface, and the results of tasks performed in one interface are displayed in another. However, you cannot do the following:

- Use CIMC GUI to invoke CIMC CLI
- View a command that has been invoked through CIMC CLI in CIMC GUI
- Generate CIMC CLI output from CIMC GUI

Tasks You Can Perform in CIMC

You can use CIMC to perform the following server management tasks:

- Power on, power off, power cycle, reset and shut down the server
- Toggle the locator LED
- Configure the server boot order
- View server properties and sensors
- Manage remote presence

- Create and manage local user accounts, and enable remote user authentication through Active Directory
- Configure network-related settings, including NIC properties, IPv4, VLANs, and network security
- Configure communication services, including HTTP, SSH, and IPMI Over LAN
- Manage certificates
- Configure platform event filters
- Update CIMC firmware
- Monitor faults, alarms, and server status

No Operating System or Application Provisioning or Management

CIMC provisions servers, and as a result, exists below the operating system on a server. Therefore, you cannot use it to provision or manage operating systems or applications on servers. For example, you cannot do the following:

- Deploy an OS, such as Windows or Linux
- Deploy patches for software, such as an OS or an application
- Install base software components, such as anti-virus software, monitoring agents, or backup clients
- Install software applications, such as databases, application server software, or web servers
- Perform operator actions, including restarting an Oracle database, restarting printer queues, or handling non-CIMC user accounts
- Configure or manage external storage on the SAN or NAS storage

Overview of the CIMC User Interface

The CIMC user interface is a web-based management interface for Cisco C-Series servers. You can launch the CIMC user interface and manage the server from any remote host that meets the following minimum requirements:

- Java 1.6 or later
- HTTP and HTTPS enabled
- Adobe Flash Player 10 or later



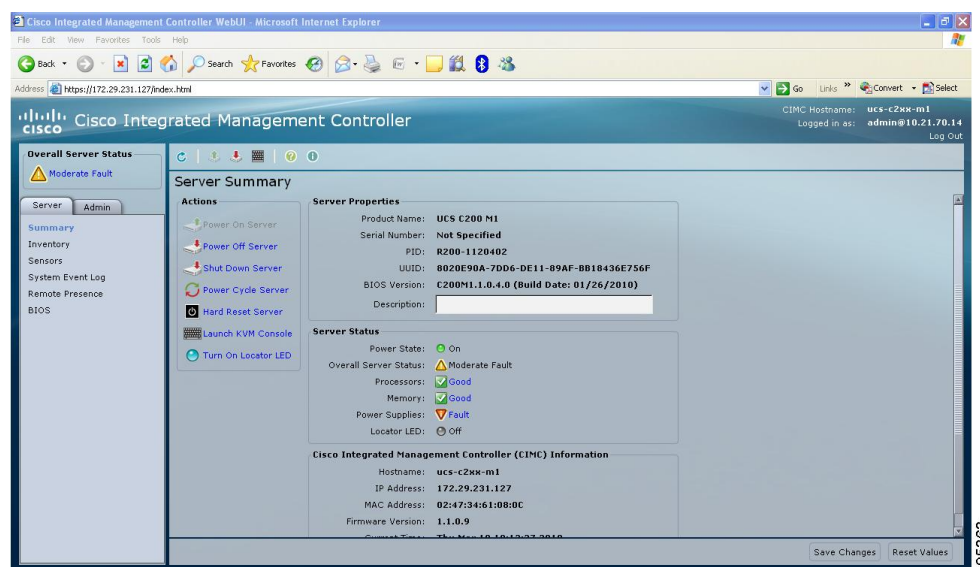
Note

In case you lose or forget the password that you use to log in to CIMC, see the password recovery instructions in the Cisco UCS C-Series server installation and service guide for your server. This guide is available from the *Cisco UCS C-Series Servers Documentation Roadmap* at <http://www.cisco.com/go/unifiedcomputing/c-series-doc>.

CIMC Home Page

Figure 1 shows the CIMC home page.

Figure 1: CIMC Home Page



Navigation Pane

The Navigation pane displays on the left side in the CIMC user interface. Clicking links on the **Server** or **Admin** tabs in the **Navigation** pane displays the selected pages in the **Work** pane on the right side of the CIMC user interface.

The following table describes the elements in the **Navigation** pane:

Element Name	Description
Overall Server Status area	The Overall Server Status area is found above the Server and Admin tabs. Click this area to refresh the Server Summary page.
Server tab	The Server tab is found in the Navigation pane. It contains links to the following pages: <ul style="list-style-type: none"> • Summary • Inventory • Sensors • System Event Log • Remote Presence • BIOS

	<ul style="list-style-type: none"> • Power Policies • Faults Summary
Admin tab	<p>The Admin tab is found in the Navigation pane. It contains links to the following pages:</p> <ul style="list-style-type: none"> • User Management • Network • Communications Services • Certificate Management • CIMC Log • Event Management • Firmware Management • Utilities

Work Pane

The **Work** pane displays on the right side of the UI. Different pages appear in the **Work** pane, depending on what link you click on the **Server** or **Admin** tab.

The following table describes the elements and pages in the **Work** pane.

Page or Element Name	Description
Summary	<p>There are four areas on this page:</p> <ul style="list-style-type: none"> • Actions—Use this area to control server power, reset the server, launch the KVM console, or control the locator LED. • Server Properties—Use this area to view the general server properties and assign a server description. • Server Status—Use this area to view the overall status of the major server subsystems. • CIMC Information—Use this area to view the server management name, network addresses, firmware version, and current date and time.
Inventory	<p>There are six tabs on the page:</p> <ul style="list-style-type: none"> • CPUs—Use this tab to view information about the CPU. • Memory—Use this tab to view information about memory. • Power Supplies—Use this tab to view information about power supplies.

	<ul style="list-style-type: none"> • Network Adapters—Use this tab to view information about network adapters. • Storage—Use this tab to view information about storage. • PCI Adapters—Use this tab to view information about PCI adapters.
Sensors	<p>There are seven tabs on the page:</p> <ul style="list-style-type: none"> • Power Supply—Use this tab to view the power supply sensor. • Fan—Use this tab to view the fan sensor. • Temperature—Use this tab to view the temperature sensor. • Voltage—Use this tab to view the voltage sensor. • Current—Use this tab to view the current sensor. • LEDs—Use this tab to view the state and color of the LEDs. • Storage—Use this tab to view the state of the storage devices.
System Event Log	Use this page to view the system event log.
Remote Presence	<p>There are three tabs on the page:</p> <ul style="list-style-type: none"> • Virtual KVM—Use this tab to set vKVM properties. • Virtual Media—Use this tab to set virtual media properties. • Serial over LAN—Use this tab to set serial over LAN properties.
BIOS	<p>There are three areas on this page:</p> <ul style="list-style-type: none"> • Actions—Use this area to configure the server boot order, recover corrupted BIOS, and clear the BIOS CMOS. • BIOS Properties—Use this area to view the running version of the BIOS. • Boot Order—Use this area to view the configured and actual boot order.
Power Policies	<p>There are two areas on this page:</p> <ul style="list-style-type: none"> • Power Capping—Use this area to view the power statistics and to configure capping of the server power consumption. • Power Restore Policy—Use this area to configure how the server power is restored after an outage.
Fault Summary	<p>There are two areas on this page:</p> <ul style="list-style-type: none"> • Discrete Sensors—Use this area to view the state of discrete sensors.

	<ul style="list-style-type: none"> • Threshold Sensors—Use this area to view the state of threshold sensors.
User Management	<p>There are three tabs on the page:</p> <ul style="list-style-type: none"> • Local Users—Use this tab to create or modify user accounts. • Active Directory—Use this tab to set active directory properties. • Sessions—Use this tab to view current user sessions.
Network	<p>There are two tabs on the page:</p> <ul style="list-style-type: none"> • Network Settings—Use this tab to set network properties. • Network Security—Use this tab to set up network security.
Communications Services	<p>There are four areas on this page:</p> <ul style="list-style-type: none"> • HTTP Properties—Use this area to set HTTP properties. • SSH Properties—Use this area to set SSH properties. • IPMI over LAN Properties—Use this area to set IPMI over LAN properties. • SNMP Properties—Use this area to set SNMP properties.
Certificate Management	<p>There are two areas on this page:</p> <ul style="list-style-type: none"> • Actions—Use this area to generate and upload a certificate. • Current Certificate—Use this area to view the current certificate for the server.
CIMC Log	<p>There are two tabs on the page:</p> <ul style="list-style-type: none"> • CIMC Log—Use this tab to view the CIMC Log. • Remote Logging—Use this tab to configure the sending of log messages to remote syslog servers.
Event Management	<p>There are two tabs on the page:</p> <ul style="list-style-type: none"> • Platform Event Filters—Use this tab to set up platform event filters. • Trap Settings—Use this tab to set up SNMP traps.
Firmware Management	<p>There are three areas on this page:</p> <ul style="list-style-type: none"> • Actions—Use this area to install CIMC firmware from a client browser or TFTP server, or to activate installed CIMC firmware.

	<ul style="list-style-type: none"> • CIMC Firmware—Use this area to view the status of the running, backup, and boot-loader versions of the firmware. • Last Firmware Install—Use this area to view information about the last firmware update.
Utilities	<p>There are three areas on this page:</p> <ul style="list-style-type: none"> • Actions—Use this area to export technical support data, export or import the CIMC configuration, reset the CIMC to factory default, and reboot the CIMC. • Last Technical Support Data Export—Use this area to view information about the last technical support data export. • CIMC Configuration Import/Export—Use this area to view the action type and its status.

Toolbar

The toolbar displays above the **Work** pane.

Element Name	Description
Refresh	Refreshes the current page.
Power On Server	Powers on the server.
Power Off Server	Powers off the server.
Launch KVM Console	Launches the KVM console.
Help	Launches help.
Info	Displays CIMC information.

Cisco Integrated Management Controller Online Help Overview

The Cisco Integrated Management Controller is divided into two main sections, a **Navigation** pane on the left and a **Work** pane on the right.

This help system describes the fields on each GUI page and in each dialog box.

To access the page help, do the following:

- In a particular tab in the GUI, click the **Help** icon in the toolbar above the **Work** pane.
- In a dialog box, click the **Help** button in that dialog box.

**Note**

For a complete list of the available C-Series documentation, see the *Cisco UCS C-Series Servers Documentation Roadmap* at <http://www.cisco.com/go/unifiedcomputing/c-series-doc>.

Logging In to CIMC

Before You Begin

If not installed, install Adobe Flash Player 10 or later on your local machine.

Procedure

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- Step 1** In your web browser, type or select the web link for CIMC.
- Step 2** If a security dialog box displays, do the following:
- a) (Optional) Check the check box to accept all content from Cisco.
 - b) Click **Yes** to accept the certificate and continue.
- Step 3** In the log in window, enter your username and password.
- Tip** When logging in for the first time to an unconfigured system, use **admin** as the username and **password** as the password.
- Step 4** Click **Log In**.
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Logging Out of CIMC

Procedure

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- Step 1** In the upper right of CIMC, click **Log Out**.
Logging out returns you to the CIMC log in page.
- Step 2** (Optional) Log back in or close your web browser.
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