



Preface

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Audience

This guide is intended primarily for data center administrators with responsibilities and expertise in one or more of the following:

- Server administration
- Storage administration
- Network administration
- Network security

Conventions

This document uses the following conventions:

Convention	Indication
bold font	Commands, keywords, GUI elements, and user-entered text appear in bold font .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
<code>courierfont</code>	Terminal sessions and information that the system displays appear in <code>courier font</code> .

Convention	Indication
[]	Elements in square brackets are optional.
{x y z}	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<>	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note Means *reader take note*.



Tip Means *the following information will help you solve a problem*.



Caution Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.



Timesaver Means *the described action saves time*. You can save time by performing the action described in the paragraph.



Warning Means *reader be warned*. In this situation, you might perform an action that could result in bodily injury.

New and Changed Information for this Release

The following tables provide an overview of the significant changes to this guide for the current release. The tables do not provide an exhaustive list of all changes made to the configuration guides or of the new features in this release.

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

New Features and Significant Behavioral Changes in Cisco Integrated Management Controller software, Release 1.4(6)

[Release Notes for Cisco UCS C-Series Software, Release 1.4\(6\)](#)

Feature	Description	Where Documented
Cisco UCS VIC1225 Virtual Interface Card	Support added for the Cisco UCS VIC1225 Virtual Interface Card.	Managing Network Adapters
BIOS Properties	Support for additional BIOS properties for the Cisco UCS C22 M3 Server, Cisco UCS C24 M3 Server, Cisco UCS C220 M3 Server, and the Cisco UCS C240 M3 Server.	BIOS Parameters by Server Model

New Features and Significant Behavioral Changes in Cisco Integrated Management Controller software, Release 1.4(5)

[Release Notes for Cisco UCS C-Series Software, Release 1.4\(5\)](#)

Feature	Description	Where Documented
Hard Disk Drive LED	Support added for toggling the LED on an installed hard disk drive.	Managing the Server
BIOS Properties	Support for additional BIOS properties for the Cisco UCS C220 M3 Server and the Cisco UCS C240 M3 Server.	BIOS Parameters by Server Model

New Features and Significant Behavioral Changes in Cisco Integrated Management Controller software, Release 1.4(4)

[Release Notes for Cisco UCS C-Series Software, Release 1.4\(4\)](#)

Feature	Description	Where Documented
Platform support	The features available in Release 1.4(3) are now available on the Cisco UCS C220 M3 Server and the Cisco UCS C240 M3 Server.	Release Notes for Cisco UCS C-Series Software, Release 1.4(4)
BIOS Properties	Support for additional BIOS properties for the Cisco UCS C220 M3 Server and the Cisco UCS C240 M3 Server.	BIOS Parameters by Server Model

New Features and Significant Behavioral Changes in Cisco Integrated Management Controller software, Release 1.4(3)

[Release Notes for Cisco UCS C-Series Software, Release 1.4\(3\)](#)

Feature	Description	Where Documented
Integration with Cisco UCS Manager	The supported servers can be integrated into a Cisco UCS domain.	See the <i>Hardware Installation Guide</i> (HIG) for the type of server you are using. The C-Series HIGs are available at the following URL: http://www.cisco.com/en/US/products/ps10493/prod_installation_guides_list.html
Technical support	Support added for downloading the tech support information file from a browser.	Server Utilities
BIOS parameters	Support added for additional BIOS properties.	BIOS Parameters by Server Model

New Features and Significant Behavioral Changes in Cisco Integrated Management Controller software, Release 1.4(2)

[Release Notes for Cisco UCS C-Series Software, Release 1.4\(2\)](#)

Feature	Description	Where Documented
Platform support	The features available in Release 1.4(1) are now available on the Cisco UCS C460 M2 Server and the Cisco UCS C260 M2 Server.	Release Notes for Cisco UCS C-Series Software, Release 1.4(2)
BIOS parameters	Support added for additional BIOS properties.	BIOS Parameters by Server Model

New Features and Significant Behavioral Changes in Cisco Integrated Management Controller software, Release 1.4(1)

[Release Notes for Cisco UCS C-Series Software, Release 1.4\(1\)](#)

Feature	Description	Where Documented
Platform support	The features in this release apply to the Cisco UCS C200 M1 Server, the Cisco UCS C210 M1 Server, and the Cisco UCS C250 M1 Server.	Release Notes for Cisco UCS C-Series Software, Release 1.4(1)

Feature	Description	Where Documented
VM FEX	Support is added for virtual machine fabric extenders (VM FEX).	Managing Network Adapters
Create vHBAs	Support added in the CLI to create up to 16 vHBAs.	Managing Network Adapters
Active Directory groups	Support added for Active Directory authorization groups.	Managing User Accounts
Enhanced SNMP features	Enhanced SNMPv3 and SNMP trap configuration is relocated in the user interface.	Configuring Communication Services
XML API	Support added for CIMC control by an XML API.	Configuring Communication Services
HTTP redirect	Support added for redirection of HTTP requests to HTTPS.	Configuring Communication Services
BIOS parameters	Support added for additional BIOS properties.	BIOS Parameters by Server Model

Related Cisco UCS Documentation

Documentation Roadmaps

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

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

Other Documentation Resources

An ISO file containing all B and C-Series documents is available at the following URL: <http://www.cisco.com/cisco/software/type.html?mdfid=283853163&flowid=25821>. From this page, click **Unified Computing System (UCS) Documentation Roadmap Bundle**.

The ISO file is updated after every major documentation release.

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