



Preface

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New and Changed Information

The following table provides an overview of the significant changes to this guide for the current release:

Table 1: New Features and Significant Behavioral Changes in Cisco Integrated Management Controller Software, Release 2.4.1

Feature	Description	Where Documented
EHWIC E-Series Network Compute Engine Support	Support for the EHWIC E-Series Network Compute Engine (EHWIC E-Series NCE).	Overview
Diagnostic Tests on the EHWIC E-Series NCE	Support for running diagnostic tests on the EHWIC E-Series NCE.	Diagnostic Tests

Table 2: New Features and Significant Behavioral Changes in Cisco Integrated Management Controller Software, Release 2.2.1

Feature	Description	Where Documented
LDAP Servers	Enhanced LDAP server configuration, which allows you to configure the LDAP servers and configure LDAP groups.	Managing User Accounts

Feature	Description	Where Documented
SNMP	Enhanced SNMP configuration, which allows you to configure SNMP properties, configure SNMP trap settings, send SNMP trap messages, and manage SNMP users.	Configuring Communication Services
Virtual Media	Enhanced virtual media configuration, which allows you to create or remove a vMedia volume and view vMedia properties.	Managing Remote Presence

Table 3: New Features and Significant Behavioral Changes in Cisco Integrated Management Controller Software, Release 2.1

Feature	Description	Where Documented
Boot Options	Support added for booting the server from specific devices within a device category.	Managing the Server
Link State	Support added to view the status of CIMC network connections.	Viewing Server Properties
LOM Properties	Support added to view system-defined interface names and the MAC address assigned to each interface.	Viewing Server Properties
RAID Note The RAID feature is applicable to E-Series Servers and the SM E-Series NCE. The RAID feature is not applicable to the EHWIC E-Series NCE.	Enhanced RAID feature. CLI added to delete a virtual drive and erase the contents of a physical drive.	Managing Storage Using RAID
SNMP	Support added for SNMPv3.	Configuring Communication Services
Technical Support	Support added for exporting technical support information to a remote server.	Server Utilities
XML API	Support added for CIMC control by an XML API.	Configuring Communication Services

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

Organization

This document includes the following chapters:

Chapter	Title	Description
Chapter 1	Overview	Provides an overview of the Cisco UCS E-Series Servers, the Cisco UCS E-Series Network Compute Engine, and the CIMC CLI.
Chapter 2	Installing the Server Operating System	Describes how to configure an operating system (OS) on the server.
Chapter 3	Managing the Server	Describes how to configure the server boot device order, how to manage the server power, how to configure power policies, and how to configure BIOS settings.
Chapter 4	Managing Storage Using RAID	Describes how to configure and manage RAID. Note The RAID feature is applicable to E-Series Servers and the SM E-Series NCE. The RAID feature is not applicable to the EHWIC E-Series NCE.
Chapter 5	Viewing Server Properties	Describes how to view the CPU, memory, power supply, storage, PCI adapter, and LOM properties of the server.
Chapter 6	Viewing Server Sensors	Describes how to view the fault, temperature, voltage, and storage sensors.
Chapter 7	Managing Remote Presence	Describes how to configure and manage the virtual KVM, virtual media, and the serial over LAN connection.
Chapter 8	Managing User Accounts	Describes how to add or modify user accounts, how to configure Active Directory to authenticate users, and how to manage user sessions.
Chapter 9	Configuring Network-Related Settings	Describes how to configure network interfaces, network settings, and network security.
Chapter 10	Configuring Communication Services	Describes how to configure server management communication by HTTP, SSH, IPMI, and SNMP.
Chapter 11	Managing Certificates	Describes how to generate, upload, and manage server certificates.

Chapter	Title	Description
Chapter 12	Configuring Platform Event Filters	Describes how to configure and manage platform event filters.
Chapter 13	Firmware Management	Describes how to obtain, install, and activate firmware images.
Chapter 14	Viewing Logs	Describes how to view, export, and clear CIMC and system event log messages.
Chapter 15	Server Utilities	Describes how to export support data, how to export and import the server configuration, how to reset the server configuration to factory defaults, and how to reboot the management interface.
Chapter 16	Diagnostic Tests	Describes how to run diagnostic tests.

Conventions

Text Type	Indication
GUI elements	GUI elements such as tab titles, area names, and field labels appear in this font . Main titles such as window, dialog box, and wizard titles appear in this font .
User input	Text the user should enter exactly as shown or keys that a user should press appear in this font.
Document titles	Document titles appear in <i>this font</i> .
System output	Terminal sessions and information that the system displays appear in <i>this font</i> .
CLI commands	CLI command keywords appear in this font . Arguments in a CLI command appear in <i>this font</i> .
[]	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.

Text Type	Indication
< >	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*. Notes contain helpful suggestions or references to material not covered in the document.

**Tip**

Means *the following information will help you solve a problem*. The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.

**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**

IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS

Related Documentation

The [Documentation Guide for Cisco UCS E-Series Servers](#) provides links to all product documentation.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly [What's New in Cisco Product Documentation](#), which also lists all new and revised Cisco technical documentation.

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