



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

New and Changed Information for this Release

The following tables provide an overview of the significant changes to this guide for this 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 information about new supported hardware in this release, see the *Release Notes for Cisco UCS Manager* available through the [Cisco UCS B-Series Servers Documentation Roadmap](#).

Table 1: New Features

Feature	Description	Where Documented
Capability Catalog	The capability catalog is a set of tunable parameters, strings, and rules used to update the display and configurability of components such as newly qualified DIMMs and disk drives for servers.	Managing Firmware
BIOS settings	Through Cisco UCS Manager you can create one or more BIOS policies that include a specific grouping of BIOS settings that match the needs of a server or set of servers, or you can configure the default BIOS settings for a specific server.	Configuring Server-Related Policies
BIOS scrub	In the scrub policy, you can specify what happens to the BIOS settings on a server during discovery or service profile disassociation.	Configuring Server-Related Policies
Server power usage	You can configure the level of power usage for each server in a Cisco UCS instance.	Configuring Server Power Usage
Board controller firmware	Certain servers, such as the Cisco UCS B440 High Performance blade server, have board controller firmware that you can upgrade through host firmware packages in a service profile.	Managing Firmware
Additional RAID options	The local disk configuration policy	Configuring Server-Related Policies

Table 2: Significant Changes in the June 2010 release

Change	Description	Where Documented
BMC renamed to CIMC	The BMC component in the servers has been renamed Cisco Integrated Management Controller (CIMC).	Throughout the guide
Attribute for configuring remote authentication through RADIUS is now cisco-avpair.	The attribute you must create in the RADIUS remote authentication service and map to Cisco UCS user roles and locales is now cisco-avpair.	Configuring Primary Authentication

Change	Description	Where Documented
Chassis decommission and removal	The procedures to decommission and remove a chassis are now consistent with the equivalent server procedures.	Managing the Chassis
Length of service profile name	A service profile name can be between 2 and 32 alphanumeric characters.	Configuring Service Profiles

Table 3: Significant Changes in the August 2010 release

Change	Description	Where Documented
Uplink Ethernet port properties	The steps to configure the admin speed property of an uplink Ethernet port for 1Gbps or 10Gbps have been added.	Configuring Ports
Local disk configuration policy guidelines	New guidelines for the Protect Configuration property of local disk configuration policies have been added.	Configuring Server-Related Policies
MAC address table	Default value for the aging time in end-host mode has been changed to 14,500 seconds.	Configuring System-Related Policies
Named VSANs	New guideline for the default FCoE VLAN when configuring a named VSAN for a FIP capable, converged network adapter has been added.	Configuring Named VSANs
Viewing a boot policy	Command displays policy details. If you have not set a policy, the boot definition is displayed.	Configuring Server-Related Policies
Viewing a local disk configuration policy	Command displays policy details. If you have not set a policy, the local disk configuration is displayed.	Configuring Server-Related Policies
Viewing a serial over LAN policy	Command displays policy details. If you have not set a policy, the serial over LAN definition is displayed.	Configuring Server-Related Policies

Organization

This document includes the following parts:

Part	Title	Description
Part 1	Introduction	Contains chapters that provide an overview of Cisco Unified Computing System (Cisco UCS) and Cisco UCS Manager.
Part 2	System Configuration	Contains chapters that describe how to configure fabric interconnects, ports, communication services, primary authentication, and role-based access control configuration, and how to manage firmware and the capability catalog on a system.
Part 3	Network Configuration	Contains chapters that describe how to configure named VLANs, LAN pin groups, MAC pools, and Quality of Service (QoS).
Part 4	Storage Configuration	Contains chapters that describe how to configure named VSANs, SAN pin groups, and WWN pools.
Part 5	Server Configuration	Contains chapters that describe how to configure server-related policies, server-related pools, service profiles, and server power usage.
Part 6	System Management	Contains chapters that describe how to manage a Cisco UCS instance, including managing the chassis, servers, and I/O modules, and how to back up and restore the configuration.

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> .
[]	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.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .

Convention	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*.

**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.

Related Documentation

A roadmap that lists all documentation for Cisco Unified Computing System (Cisco UCS) is available at the following URL:

<http://www.cisco.com/go/unifiedcomputing/b-series-doc>

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to ucs-docfeedback@cisco.com. We appreciate your feedback.

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, at:

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