# Release Notes for Cisco UCS Platform Emulator, Release 3.0(2cPE1)

**First Published: March 23, 2015**
**Current Release: 3.0(2cPE1)**

This document describes system requirements, new features, images information, known caveats and workarounds for Cisco UCS Platform Emulator, Release 3.0(2cPE1). This document also includes current information that became available after the technical documentation was published.

Use this release notes as a supplement with the other documents listed in the documentation roadmap http://www.cisco.com/go/unifiedcomputing/b-series-doc.

Make sure to review other available documentation on Cisco.com to obtain current information on Cisco UCS Platform Emulator.

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# Revision History

Table 1 shows the revision history:

*Table 1 Online History Changes*

| Release | Date | Description |
|---|---|---|
| 3.0(2cPE1) | March 23, 2015 | Created Release notes for Cisco UCS Platform Emulator, Release 3.0 |

# Introduction

Cisco UCS Platform Emulator is the Cisco UCS Manager application bundled into a virtual machine (VM). The VM includes software that emulates hardware communications for the Cisco Unified Computing System (Cisco UCS) hardware that is configured and managed by Cisco UCS Manager. For example, you can use Cisco UCS Platform Emulator to create and test a supported Cisco UCS configuration, or to duplicate an existing Cisco UCS environment for troubleshooting or development purposes.

**Note** For more information on the feature list, open caveats, and limitations, see the documentation for **Cisco UCS Platform Emulator, version 2.2(2cPE1).**

## Cisco UCS Platform Emulator Virtual Machine Packaging

Cisco UCS Platform Emulator (UCSPE) is packaged as a compact virtual machine (VM) with the CentOS open source Linux distribution. This VM can run a Cisco UCS Manager multichassis, multiblade simulation on a laptop or desktop computer and does not require an Internet connection. Cisco UCS Platform Emulator is delivered as a zip file and as an .ova file. The zip file includes the.vmx file. The filename of the zip file includes the Cisco UCS Platform Emulator release number, such as Cisco_UCS_Platform_Emulator_3.0.2cPE1.zip. The file size is approximately 600 to 700 MB.

## System Requirements

Before installing Cisco UCS Platform Emulator, ensure the system meets the following requirements:

- 2 GB free RAM
- 20 GB disk space
- 1.8-GHz single CPU
- A Mozilla-compatible browser (Firefox or Google Chrome)
- Java Runtime Environment 1.6 or later. You can download files from http://www.java.com

## Virtual Machine Prerequisites

Before installing Cisco UCS Platform Emulator, install one of the following supported virtual machine (VM) hypervisors:

- VMware Player 4.0 and above for Microsoft Windows and Linux
- VMware Workstation 7 and above for Microsoft Windows and Linux
- VMware Fusion 4.0 and above for Mac OS X
- VMware vSphere ESXi 4.0 and above
- Microsoft Hyper-V Server
- Java Runtime Environment Version 1.7

# New Hardware Features

Cisco UCS Platform Emulator, Release 3.0(2cPE1), adds support for the following new hardware:

- Cisco UCS B420 M3 Blade Server (UCSB-B420-M3)
- Cisco UCS B22 M3 Blade Server (UCSB-B22-M3)
- Cisco UCS B200 M4 Blade Server (UCSB-B200-M4)
- Cisco UCS C220 M4 Rack Server (UCSC-C220-M4S/L)
- Cisco UCS C240 M4 Rack Server (UCSC-C240-M4S/L/S2/X)
- Cisco Blade Server Adapter VIC 1340 (UCSB-MLOM-40G-03)
- Cisco Blade Server Adapter VIC 1380 (UCSB-VIC-M83-8P)
- Cisco Rack Server Adapter VIC 1227 (UCSC-MLOM-CSC-02)
- Changes in the UCS Platform Emulator VM Console
  - Modifications to the VM Console login
  - Modifications to the VM Console Options Menu
  - Modifications to the Network Settings
  - Modifications to the System Settings
  - More details added to the Status Summary display

# New Software Features

Cisco UCS Platform Emulator, Release 3.0(2cPE1), adds support for Cisco UCS Manager HTML5 Graphic User Interface.

# Known Limitations

Cisco UCS Platform Emulator, Release 3.0(2cPE1) has the following limitations:

- In the UCSM component topology, the link between the rack server and fabric interconnect is shown as down.

- Firmware version of components in UCSPE is not visible on the Cisco UCS Central.
- Disconnecting of the servers by unconfiguring their server ports does not impact the server state.
- We recommended that you check the imported configuration on the Control Panel to ensure there are no missing components or unsupported components. Unsupported or missing components can impact discovery and it is out of the limitation of the UCSPE catalog that such a scenario can occur. We suggest you delete the unsupported components and add the component manually on the Control Panel. Occasionally, import of rack servers might fail.
- Live import of the configuration is possible only with the UCS Mini and not with other versions of the Cisco UCS Manager.

# Open Caveats for Release 3.0(2cPE1)

This section lists the open caveats for this release.

| Bug ID | Symptom | Workaround |
|---|---|---|
| CSCup44720 | When a Read-only user is created, a critical fault and a warning message are displayed. | None. |
| CSCup54871 | Upgrading the firmware using the Cisco UCS Central global policy fails. | Upgrade the firmware with local policies using Cisco UCS Manager. |
| CSCup44954 | A few DIMM configurations result in an 'Invalid FRU' warning message. | Configure another DIMM from the catalog and restart UCSPE. |
| CSCuo11576 | In rare occasions, the FI ports are not listed after an 'install-all' operation. | Restart UCSPE. |
| CSCup68510 | Rack servers are displayed as 'Offline/Inaccessible' when UCSPE is restarted with the 'Preserve DB' option turned on. | Perform a re-acknowledgment of the server, or restart UCSPE with the 'Reset DB' option turned on. |
| CSCuo09256 | In certain situations, the 'auto-install' operation fails to update adaptors, and their status is set to 'Pending Next Boot'. | Restart UCSPE and update the firmware again. |

# Related Documentation

For more information, you can access related documents from the following links:

- *Link to bundle images document*
- *Cisco UCS Documentation Roadmap*

# Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

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