



# Release Notes for Cisco Integrated Management Controller Express 1.0.2

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**First Published:** April 21, 2011

**Last Updated:** June 10, 2011

**Release:** Cisco IOS Release 15.1(4)M

**OL-24811-01**

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## Introduction

Cisco Integrated Management Controller Express (Cisco CIMC-E) provides the same basic management features as the UCS-C Series Rackmount Server product line on Cisco SRE Internal Service Module-Services Ready Engine (Cisco SRE ISM) and Cisco SRE Service Module-Services Ready Engine (Cisco SRE SM).

## System Requirements

This section describes the system requirements for CIMC-E and includes the following sections:

- [Hardware Supported and Memory Requirements](#)



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## Hardware Supported and Memory Requirements

[Table 1](#) lists the Cisco ISR G2 models and minimum supported hardware configuration on which CIMC-E 1.0.2 is available.

**Table 1** *Cisco IR G2 models supported by CIMC-E 1.0.2*

| Routers    | Minimum Compact Flash | Minimum ISR G2 Memory |
|------------|-----------------------|-----------------------|
| Cisco 2911 | 512 MB                | 1 GB                  |
| Cisco 2921 | 512 MB                | 1 GB                  |
| Cisco 2951 | 512 MB                | 1.5 GB                |
| Cisco 3925 | 512 MB                | 2 GB                  |
| Cisco 3945 | 512 MB                | 2 GB                  |

## Cisco IOS Software Release

CIMC-E 1.0.2 requires Cisco IOS Release 15.1(4)M or a later release. CIMC-E supports routers with the following Cisco IOS Releases:

- c2900-universalk9-mz.SPA.151-4.bin
- c2951-universalk9-mz.SPA.151-4.bin
- c3900-universalk9-mz.SPA.151-4.bin

## Files in CIMC-E 1.0.2

The product files for CIMC-E 1.0.2 are explained in the following sections:

- [CIMC-E Product Files for Cisco 2911 and Cisco 2921 ISR G2 Routers](#)
- [CIMC-E Product Files for Cisco 2951 ISR G2 Routers](#)
- [CIMC-E Product Files for Cisco 3925 and Cisco 3945 ISR G2 Routers](#)

You can download the CIMC-E files from [www.cisco.com](http://www.cisco.com). Navigate the website as shown in the following steps:

- 
- |               |                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Step 1</b> | Choose <b>Products &amp; Services &gt; Cisco Interfaces and Modules &gt; Cisco Service-Ready Engine (SRE) Modules</b> . |
| <b>Step 2</b> | Choose <b>Download Software &gt; Cisco UCS Express for SRE &gt; CIMCE Complete Installation File Set</b> .              |
| <b>Step 3</b> | Download the appropriate file set for your host router.                                                                 |
-

## CIMC-E Product Files for Cisco 2911 and Cisco 2921 ISR G2 Routers

The compressed archive C2900-cimce-k9.vsem.1.0.2.tar.gz contains all package files associated with CIMC-E that are used for installation on Cisco 2911 and Cisco 2921 ISR G2 routers. These files are listed in [Table 2](#).

**Table 2** CIMC-E Files located in C2900-cimce-k9.vsem.1.0.2.tar.gz

| Filename                                   | Purpose                                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| cimce-installer.vsem.1.0.2                 | CIMC-E rescue helper image. Helps to install the application on Cisco Embedded-Service-Engine.               |
| cimce-k9.vsem.1.0.2.pkg                    | Main package for installing CIMC-E on Cisco Embedded Service Engines.                                        |
| cimce-full.vsem.1.0.2.prt1                 | Package payload containing all data and executable files for a full installation of CIMC-E.                  |
| cimce-installer.vsem.1.0.2.prt1            | Package payload containing all data and executable files for the installer subsystem associated with CIMC-E. |
| cimce-k9.vsem.1.0.2.pkg.install.sre        | Installer TCL script                                                                                         |
| cimce-k9.vsem.1.0.2.pkg.install.sre.header | Installer TCL script header                                                                                  |
| cimce-k9.vsem.1.0.2.key                    | SRE keyfile                                                                                                  |

## CIMC-E Product Files for Cisco 2951 ISR G2 Routers

The compressed archive C2951-cimce-k9.vsep.1.0.2.tar.gz contains all package files associated with CIMC-E that are used for installation on Cisco 2951 ISR G2 routers. These files are listed in [Table 3](#).

**Table 3** CIMC-E Files located in C2951-cimce-k9.vsep.1.0.2.tar.gz

| Filename                                   | Purpose                                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| cimce-installer.vsep.1.0.2                 | CIMC-E rescue helper image. Helps to install the application on Cisco Embedded-Service-Engine.               |
| cimce-k9.vsep.1.0.2.pkg                    | Main package for installing CIMC-E on Cisco Embedded Service Engines.                                        |
| cimce-full.vsep.1.0.2.prt1                 | Package payload containing all data and executable files for a full installation of CIMC-E.                  |
| cimce-installer.vsep.1.0.2.prt1            | Package payload containing all data and executable files for the installer subsystem associated with CIMC-E. |
| cimce-k9.vsep.1.0.2.pkg.install.sre        | Installer TCL script                                                                                         |
| cimce-k9.vsep.1.0.2.pkg.install.sre.header | Installer TCL script header                                                                                  |
| cimce-k9.vsep.1.0.2.key                    | SRE keyfile                                                                                                  |

## CIMC-E Product Files for Cisco 3925 and Cisco 3945 ISR G2 Routers

The compressed archive `C3900-cimce-k9.vsep.1.0.2.tar.gz` contains all package files associated with CIMC-E that are used for installation on Cisco 3925 and Cisco 3945 ISR G2 routers. These files are listed in [Table 4](#).

**Table 4** *CIMC-E Files located in C3900-cimce-k9.vsep.1.0.2.tar.gz*

| Filename                                                | Purpose                                                                                                      |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <code>cimce-installer.vsep.1.0.2</code>                 | CIMC-E rescue helper image. Helps to install the application on Cisco Embedded-Service-Engine.               |
| <code>cimce-k9.vsep.1.0.2.pkg</code>                    | Main package for installing CIMC-E on Cisco Embedded Service Engines.                                        |
| <code>cimce-full.vsep.1.0.2.pt1</code>                  | Package payload containing all data and executable files for a full installation of CIMC-E.                  |
| <code>cimce-installer.vsep.1.0.2.pt1</code>             | Package payload containing all data and executable files for the installer subsystem associated with CIMC-E. |
| <code>cimce-k9.vsep.1.0.2.pkg.install.sre</code>        | Installer TCL script                                                                                         |
| <code>cimce-k9.vsep.1.0.2.pkg.install.sre.header</code> | Installer TCL script header                                                                                  |
| <code>cimce-k9.vsep.1.0.2.key</code>                    | SRE keyfile                                                                                                  |

## Installing CIMC-E 1.0.2

Before installing CIMC-E, make sure all prerequisites are met.

### Prerequisites

- Before you install the CIMC-E software, you must enable and configure the Embedded Service Engine. See [Cisco Integrated Management Controller Express](#) for information on enabling and configuring the Embedded Service Engine.
- Ensure that you have the appropriate Cisco 2911, Cisco 2921, Cisco 2951, or Cisco 3925, or Cisco 3945 to serve as the host router.
- Ensure that the host router is running Cisco IOS Release 15.0(1)M or a later software release. To see which release your router is currently running, examine the output from the **show version** command.
- Ensure that you have an FTP or HTTP server to which an installation file can be downloaded from Cisco.com and uncompressed prior to installation being performed from the router.

### Preparing to Install

Copy the appropriate files listed in [Table 2](#) or [Table 3](#) for your host router to an FTP server.

## Installing CIMC-E 1.0.2

See the “Installing CIMC-E on the Embedded Service Engine” section in *Cisco Integrated Management Controller Express*.

## Limitations and Restrictions

- In CIMC-E 1.0.2, there is no undo or no form support for commands. That is, once a command is entered, there is no way to negate the command using the CIMC-E interface. To negate the command, you must log in to Cisco IOS software and enter the no form of the configuration command.
- Upgrading to and from the CIMC-E beta image is not supported. You must install a released version of CIMC-E to obtain upgrade support.
- CIMC-E 1.0.2 is not compatible with Cisco Wide Area Application Services (WAAS) Express on the Cisco 2921, Cisco 2951, and Cisco 3925 platforms.

## Caveats

Caveats describe unexpected behavior or defects in Cisco software releases. Severity 1 caveats are the most serious caveats, severity 2 caveats are less serious, and severity 3 caveats are the least serious of these three severity levels.



### Note

To reach the Bug Toolkit, log in to [Cisco.com](http://www.cisco.com) and go to: [http://www.cisco.com/cgi-bin/Support/Bugtool/launch\\_bugtool.pl](http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl). (If the defect that you have requested cannot be displayed, this may be due to one or more of the following reasons: the defect number does not exist, the defect does not have a customer-visible description yet, or the defect has been marked Cisco Confidential.)

## Open Caveats in CIMC-E 1.0.2

- [Rollback files show up on router flash](#)
- [CSCtn57405 Bender:Module reload count statistics are not correct, got increased by 2](#)
- [CSCtn81303 Unable to reload 2nd Core from module side if reload was issued previously.](#)
- [CSCtj09403 CIMC-E:Stale GUI sessions seen when opening different window/tab on Microsoft Internet Explorer.](#)
- [CSCtj21216 CIMC-E sees this msg: “cli/phase: no such node/attribute.”](#)
- [CSCtj39057 CIMCE GUI: Not able to handle Microsoft Internet Explorer 6.0 browser.](#)
- [CSCtk58448 Create trap in scope snmp results in error msg with the code line.](#)
- [CSCto00278 CIMCE: show all does not display name with same spelling but different number.](#)

Rollback files show up on router flash

**Symptom** Many rollback files show up on the flash inside the router.

**Conditions** Once CIMC-E is properly configured, the compact flash card in the router may have several files, for example, rollOct-13-20-22-21.754-0.

**Workaround** The user can remove these files manually if needed.

CSCTn57405 Bender:Module reload count statistics are not correct, got increased by 2

**Symptom** The module statistics for the CLI reload count gets incremented incorrectly by 2 instead of 1.

**Conditions** This issue is only seen on vsem platforms. To reproduce:

1. Get the CLI reload count before doing the module reload.

```
c2921#service-module em0/0 statistics

Module Reset Statistics:
  CLI reset count = 8
  CLI reload count = 8
  Registration request timeout reset count = 0
  Error recovery timeout reset count = 0
  Module registration count = 13
```

2. Execute module reload from Cisco IOS prompt.

```
c2921#service-module em0/0 reload
```

3. Get the CLI reload count and notice that it got incremented by 2 instead of 1. It went from 8 to 10.

```
c2921#service-module em0/0 statistics

Module Reset Statistics:
  CLI reset count = 8
  CLI reload count = 10
  Registration request timeout reset count = 0
  Error recovery timeout reset count = 0
  Module registration count = 14
```

**Workaround** There is no workaround currently.

CSCTn81303 Unable to reload 2<sup>nd</sup> Core from module side if reload was issued previously.

**Symptom** When issuing the reload command from the Embedded Service Engine after previously executing a reload from the Cisco IOS prompt, the reload may fail with an error message.

**Conditions** This issue is only seen on vsem platforms.

1. Reload from the Cisco IOS prompt.

```
# service-module embedded-service-engine 0/0 reload
```

2. After the reload is complete, open a session on the Embedded Service Engine and reload.

```
# service-module embedded-service-engine 0/0 session
se-110-0-0-2# reload
Reloading the system will terminate all end user sessions.
Doing a reload will cause any unsaved configuration data to be lost.
Are you sure you want to reload? [confirm]
RBCP did not setup shutdown/resetno such attribute
```

**Workaround** Reload using the Cisco IOS command.

CSctj09403 CIMC-E: Stale GUI sessions seen when opening different window/tab on Microsoft Internet Explorer.

**Symptom** Stale GUI sessions appear if user does not log out.

**Conditions** If a user logs into the GUI and then accesses the GUI through another tab or window in Microsoft Internet Explorer, a stale GUI session will show up in the 2nd one.

**Workaround** Log out of both GUI sessions and only log in using one browser tab or window.

CSctj21216 CIMC-E sees this msg: "cli/phase: no such node/attribute."

**Symptom** An error message "cli/phase: no such node/attribute" appears when opening a session on the Embedded Service Engine.

**Conditions** In order to see this message, the user must session into the Embedded Service Engine while it is booting up.

**Workaround** No work around is needed. The error message is benign.

CSctj39057 CIMCE GUI: Not able to handle Microsoft Internet Explorer 6.0 browser.

**Symptom** The CIMC-E GUI does not display or function properly in Microsoft Internet Explorer 6.

**Conditions** To see this issue, the user must be using Internet Explorer 6 to access the CIMC-E GUI.

**Workaround** To workaround this issue, the user should upgrade to Microsoft Internet Explorer 7.

CSCTk58448 Create trap in scope snmp results in error msg with the code line.

**Symptom** Creating an SNMP trap may result in an error.

**Conditions**

1. Create the SNMP trap.
2. Exit down one level.
3. Try to commit the trap creation.

**Workaround** Create the trap again. Do not exit down one level.

CSCTo00278 CIMCE: show all does not display name with same spelling but different number.

**Symptom** The **show all** scope command does not display all users if the users have same spelling for the username and a number appended to the end of the username such as username test1 and username test2.

**Conditions**

1. Create username test1 and test2
 

```
scope user
create username test1
set password x
commit
top
scope user
create username test2
set password x
commit
```
2. Issue the **show** command to verify that both users were created:
 

```
se-10-0-0-108 /user # show username test1
User Name:test1
Group(s):cimce users
UCS Privileges:ucs user
se-10-0-0-108 /user # show username test2
User Name:test2
Group(s):cimce users
UCS Privileges:ucs user
```
3. Issue the **show all** command and notice that test1 is not displayed.
 

```
se-10-0-0-188 /user # show all
test2
```

**Workaround** Avoid creating username with a number appended to the end of the username.



## Related Documentation

The following sections describe the documentation available for the CIMC-E and Cisco ISRs G2. Typically, these documents consist of hardware and software installation guides, Cisco IOS software configuration and command references, system error messages, feature modules, and other documents for Cisco IOS Release.

Use these release notes with the documents listed in the following sections:

- [Software Documents, page 9](#)
- [Platform-Specific Documents, page 9](#)

## Software Documents

The following documents are specific to CIMC-E. These documents can also be obtained from the Support section of the following page: <http://www.cisco.com/en/US/products/ps11273/index.html>.

- [Cisco Integrated Management Controller Express](#)
- [Open Source Software Licenses for CIMC-E 1.0.2](#)
- [Quick Start Guide for Cisco Integrated Management Controller Express 1.0.2](#)

## Platform-Specific Documents

Hardware installation guides, configuration and command reference guides, and additional documents specific to the Cisco ISR G2 routers are available at:

- [Cisco 2900 Series Integrated Services Routers](#)
- [Cisco 3900 Series Integrated Services Routers](#)
- [Software Activation on Cisco Integrated Services Routers and Cisco Integrated Service Routers G2](#)
- [Cisco 2900 and 3900 Series Hardware Installation](#)
- [Cisco 3900 Series, 2900 Series, and 1900 Series Integrated Services Routers Software Configuration Guide](#)
- [Cisco SRE Service Module Configuration and Installation Guide.](#)
- [Installing and Configuring Guide for Cisco Services Ready Engine Virtualization](#)

## 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:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.

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This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

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