Release Notes for Cisco UCS E-Series Servers, Release 2.x

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This document provides new features, system requirements, compatibility information, and open and resolved caveats for the Cisco UCS E-Series Server software release 2.x. Use this document in conjunction with the documents in the "Related Documentation" section on page 17.

Note Documentation is sometimes updated after original publication; therefore, for updated content, review the documentation on Cisco.com.

Contents

Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Introduction

The Cisco UCS E-Series Servers (E-Series Servers) are the next generation of Cisco UCS Express servers. E-Series Servers are a family of size, weight, and power-efficient blade servers that are housed within the Generation 2 Cisco Integrated Services Routers (ISR G2) and the Cisco 4451-X Integrated Services Router (Cisco ISR 4451-X). These servers provide a general purpose compute platform for branch-office applications deployed either as bare-metal on operating systems, such as Microsoft Windows or Linux, or as virtual machines on hypervisors, such as VMware vSphere Hypervisor™, Microsoft Hyper-V, or Citrix XenServer.

New Features Introduced in This Release

Table 1 provides an overview of the significant changes that are introduced for the current release.

Table 1 New and Changed Information for Software Release 2.x

Feature	Description	Changed in Software Release	Where Documented
Combined Getting Started Guide	One Getting Started Guide for all the platforms that the E-Series Server supports—Cisco 2900 and 3900 Integrated Services Routers (ISR G2) and the Cisco 4451-X Integrated Services Router (Cisco ISR 4451-X).	2.x	• *Getting Started Guide for Cisco UCS E-Series Servers, Release 2.x*
CIMC XML API	Support added for CIMC control by an XML API.	2.x	• *CIMC XML API Programmer's Guide for Cisco UCS E-Series Servers* • *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
Boot Options	Support added for booting the server from specific devices within a device category.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
Host Image Mapping	Enhanced Host Image Mapping feature.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*

Table 1 New and Changed Information for Software Release 2.x (continued)

Feature	Description	Changed in Software Release	Where Documented
Link State	Support added to view the status of CIMC network connections.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
Locking or Unlocking Front Panel Reset Button	Support added for enabling or disabling the reset button, which is located on the front panel of the physical server.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
LOM Properties	Support added to view system-defined interface names and the MAC address assigned to each interface.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
RAID	Enhanced RAID feature. RAID configuration relocated in the user interface.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
SNMP	Support added for SNMPv3.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
Technical Support	Support added for exporting technical support information to a remote server and downloading the data to a local file.	2.x	• *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x* • *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*

Table 1 New and Changed Information for Software Release 2.x (continued)

Feature	Description	Changed in Software Release	Where Documented
Host Upgrade Utility	Support added to upgrade all firmware components to compatible levels using the Host Upgrade Utility (HUU).	2.x	• *Host Upgrade Utility User Guide for Cisco UCS E-Series Servers, Release 2.1.0.*
imc access-port command	Modified this command so that all platforms—Cisco 2900 and 3900 ISR G2 and the Cisco ISR 4451-X—use the same command.	2.x Cisco IOS XE Release 3.10S	• *Getting Started Guide for Cisco UCS E-Series Servers, Release 2.x*

System Requirements

Hardware Requirements

E-Series Servers reside in the Cisco 2900 series or 3900 series ISR G2 and in the Cisco ISR 4451-X. The following E-Series Servers are supported:

- UCS-E140S—Single-wide E-Series Server
- UCS-E140D—Double-wide E-Series Server, 4 core CPU
- UCS-E160D—Double-wide E-Series Server, 6 core CPU
- UCS-E140DP—Double-wide E-Series Server, 4 core CPU, with PCIe
- UCS-E160DP—Double-wide E-Series Server, 6 core CPU, with PCIe

Table 2 provides hardware information for the E-Series Servers.

Table 2 E-Series Server Hardware at a Glance

Feature	UCS-E140S Single-Wide E-Series Server)	UCS-E140D and UCS-E160D Double-Wide E-Series Servers	UCS-E140DP and UCS-E160DP Double-Wide E-Series Servers with PCIe
Form Factor	Single-wide SM	Double-wide SM	Double-wide SM
CPU	Intel Xeon™ E3-1105C	Intel Xeon™ E5-2418L and E5-2428L	Intel Xeon™ E5-2418L and E5-2428L
CPU Cores	4 Core	4 Core and 6 Core	4 Core and 6 Core
Memory DIMM Slots	2 Slots	3 Slots	3 Slots
RAM	8 GB to 16 GB Supports DDR3 1333 MHz VLP UDIMM 1.5 V, 4 GB, and 8 GB	8 GB to 48 GB Supports DDR3 1333 MHz RDIMM 1.35 V, 4 GB, 8 GB, and 16 GB	8 GB to 48 GB Supports DDR3 1333 MHz RDIMM 1.35 V, 4 GB, 8 GB, and 16 GB

Table 2 E-Series Server Hardware at a Glance (continued)

Feature	UCS-E140S Single-Wide E-Series Server)	UCS-E140D and UCS-E160D Double-Wide E-Series Servers	UCS-E140DP and UCS-E160DP Double-Wide E-Series Servers with PCIe
RAID	RAID 0 and RAID 1	RAID 0, RAID 1, and RAID 5	RAID 0 and RAID 1
Storage Type	SATA, SAS, SSD, and SED	SATA, SAS, SSD, and SED	SATA, SAS, SSD, and SED
HDD	SAS 10K RPM, SATA 7200 RPM, and SAS SSD Drives[1] Supports 2 Drives	SAS 10K RPM, SATA 7200 RPM, and SAS SSD Drives[1] Supports 3 Drives	SAS 10K RPM, SATA 7200 RPM, and SAS SSD Drives[1] Supports 2 Drives
Storage Capacity	200 GB to 2 TB	200 GB to 3 TB	200 GB to 2 TB
Internal Network Interface	2 Gigabit Ethernet Interfaces	2 Gigabit Ethernet Interfaces	2 Gigabit Ethernet Interfaces
External Interfaces	1 USB Connector 1 RJ-45 Gigabit Ethernet Connector 1 Management Port 1 KVM Port (Supports VGA, 1 USB, 1 Serial DB9)	2 USB Connectors 2 RJ-45 Gigabit Ethernet Connectors 1 Management Port 1 VGA Port 1 Serial DB9	2 USB Connectors 2 RJ-45 Gigabit Ethernet Connectors 1 Management Port 1 VGA Port 1 Serial DB9
Router Platforms	2911, 2921, 2951, 3925, 3925e, 3945, 3945e, 4451-X	2921, 2951, 3925, 3925e, 3945, 3945e, 4451-X	2921, 2951, 3925, 3925e, 3945, 3945e, 4451-X
Maximum Number of E-Series Servers per Router	2911 ISR G2—1 E-Series Server 2921 ISR G2—1 E-Series Server 2951 ISR G2—2 E-Series Servers 3925 ISR G2—2 E-Series Servers 3925e ISR G2—2 E-Series Servers 3945 ISR G2—4 E-Series Servers 3945e ISR G2—4 E-Series Servers ISR 4451-X—2 E-Series Servers	2911 ISR G2—None 2921 ISR G2—1 E-Series Server 2951 ISR G2—1 E-Series Server 3925 ISR G2—1 E-Series Server 3925e ISR G2—1 E-Series Server 3945 ISR G2—1 E-Series Server 3945e ISR G2—1 E-Series Server ISR 4451-X—1 E-Series Server **Note** The Cisco 2921 and 2951 ISR G2 support 4-core only.	2911 ISR G2—None 2921 ISR G2—1 E-Series Server 2951 ISR G2—1 E-Series Server 3925 ISR G2—1 E-Series Servers 3925e ISR G2—1 E-Series Server 3945 ISR G2—1 E-Series Server 3945e ISR G2—1 E-Series Server ISR 4451-X—1 E-Series Server **Note** The Cisco 2921 and 2951 ISR G2 support 4-core only.

1. All hardware drives within the E-Series Server must be installed with the same type of storage device; either all SAS drives or all SATA drives.

Table 3 shows the Cisco EtherSwitch Enhanced High-Speed WAN Interface Cards (EHWICs) and Cisco EtherSwitch Service Modules that are supported on the E-Series Server.

Table 3 Supported Cisco EtherSwitch EHWIC and Cisco EtherSwitch Service Modules

Cisco EtherSwitch EHWIC	Cisco EtherSwitch Service Module
• EHWIC-D-8ESG-P=	• SM-D-ES3G-48-P
• EHWIC-D-8ESG-P	• SM-D-ES3-48-P
• EHWIC-D-8ESG=	• SM-D-ES2-48
• EHWIC-D-8ESG	• SM-ES3G-24-P
• EHWIC-4ESG-P=	• SM-ES3-24-P
• EHWIC-4ESG-P	• SM-ES2-24-P
• EHWIC-4ESG=	• SM-ES2-24
• EHWIC-4ESG	• SM-ES3G-16-P

Software Requirements

E-Series Servers require three major software systems:

- CIMC Firmware, page 6
- BIOS Firmware, page 6
- Operating System or Hypervisor, page 7

CIMC Firmware

Cisco Integrated Management Controller (CIMC) is a management module, which is built into the motherboard. A dedicated ARM-based processor, separate from the main server CPU, runs the CIMC firmware. The system ships with a running version of the CIMC firmware. You can update the CIMC firmware, but no initial installation is needed.

CIMC is the management service for the E-Series Servers. CIMC runs within the server. You can use CIMC to access, configure, administer, and monitor the server.

BIOS Firmware

BIOS initializes the hardware in the system, discovers bootable devices, and boots them in the provided sequence. It boots the operating system and configures the hardware for the operating system to use. BIOS manageability features allow you to interact with the hardware and use it. In addition, BIOS provides options to configure the system, manage firmware, and create BIOS error reports. The system ships with a running version of the BIOS firmware. You can update the BIOS firmware, but no initial installation is needed.

Operating System or Hypervisor

The main server CPU runs on an operating system such as Microsoft Windows, Linux, or Hypervisor. You can purchase an E-Series Server with a preinstalled operating system such as Microsoft Windows or VMware vSphere Hypervisor™, or you can install your own operating system.

The following operating systems are supported on the E-Series Servers:

- Microsoft Windows:
  - Windows Server 2008 R2 Standard 64-bit
  - Windows Server 2008 R2 Enterprise 64-bit
  - Windows Server 2012 Standard 64-bit
- Linux:
  - Red Hat Enterprise Linux 6.2
  - SUSE Linux Enterprise 11, service pack 2
  - Oracle Enterprise Linux 6.0, update 2
- Hypervisor:
  - VMware vSphere Hypervisor™ 5.0, update 1
  - Hyper-V (Windows 2008 R2)
  - Citrix XenServer 6.1

E-Series Server Options

E-Series Servers are available in the following options:

- Option 1—E-Series Server without preinstalled operating system or hypervisor
- Option 2—E-Series Server with preinstalled Microsoft Windows Server

  At the time of purchase, you can choose the appropriate RAID option that you want enabled on the E-Series Server.

  Note If you purchase this option, the Microsoft Windows Server license is preactivated.

- Option 3—E-Series Server with preinstalled VMware vSphere Hypervisor™

  At the time of purchase, you can choose the appropriate RAID option that you want enabled on the E-Series Server.

Router, E-Series Server, and Cisco IOS Software Version Compatibility

Table 4 Cisco Routers, E-Series Server, and Cisco IOS Version Compatibility

Router	Cisco IOS Software Version for Single-Wide E-Series Servers	Cisco IOS Software Version for Double-Wide E-Series Servers
2911	15.2(4)M and later versions	—
2921	15.2(4)M and later versions	15.2(4)M and later versions **Note** Supports 4-core only
2951	15.2(4)M and later versions	15.2(4)M and later versions **Note** Supports 4-core only
3925	15.2(4)M and later versions	15.2(4)M and later versions
3925e	15.2(4)M and later versions	15.2(4)M and later versions
3945	15.2(4)M and later versions	15.2(4)M and later versions
3945e	15.2(4)M and later versions	15.2(4)M and later versions
4451	XE 3.9S and later versions	XE 3.9S and later versions

Important Information About the VMware FL-SRE-V-HOST License

If you are using a VMware FL-SRE-V-HOST license (equivalent to VMware vSphere Hypervisor™ 5.X), make sure that you are using 32 GB or less of RAM. If more than 32 GB of RAM is used, you will get an error message, and you will not be able to apply the license. If you want to use 48 GB RAM, upgrade your license to FL-SRE-V-HOSTVC.

Open Caveats

Table 5 Open Caveats in E-Series Servers

Bug ID	Summary	Additional Information

CSCui27042	No power information displayed when the E-Series Server is installed into the Cisco ISR 4451-X.	**Symptom** Power information is not displayed when the E-Series Server is installed into the Cisco ISR 4451-X.
		
		Conditions This problem occurs in the CIMC CLI and the CIMC GUI:
		• CIMC CLI:
		`Server# scope power-cap`
		`Server /power-cap # show detail`
		`Cur Consumption (W): Not available on this platform`
		`Max Consumption (W): Not available on this platform`
		`Min Consumption (W): Not available on this platform`
		• CIMC GUI:
		Server > Power Polices > Power Statistics area
		
		Workaround There is no workaround.

CSCui53577	After HUU update, warning prompt to update Broadcom firmware still displays in the CIMC GUI and the CIMC CLI.	**Symptom** After using the HUU to update the Broadcom NCSI firmware, the warning prompt to update the firmware still displays in the CIMC GUI and the CIMC CLI. **Conditions** This problem occurs when you log into the CIMC GUI or the CIMC CLI after using the HUU to update the firmware. **Workaround** To resolve this problem, power cycle the E-Series Server to allow the new Broadcom NCSI firmware to take effect.
CSCuh44522	The failover feature works inconsistently between the ISR G2 and the Cisco ISR 4451-X platforms.	**Symptom** The failover feature works inconsistently between the ISR G2 and the Cisco ISR 4451-X platforms. In the ISR G2, the failover feature fails to execute. **Conditions** When the ISR-G2 reloads to ROMMON, there are times when the GE1-GE2, GE1-GE3, and GE1-GE2-GE3 failover does not execute. **Workaround** To resolve this problem, use the GE2-GE3 failover on the ISR G2. If the router is in RMMON, boot the router.

Table 5 Open Caveats in E-Series Servers (continued)

Bug ID	Summary	Additional Information

CSCub72754	Cisco IOS lock message is not received from the CIMC.	**Symptom** The Cisco IOS EXEC or configurations commands are not going through to the CIMC.
		
		Conditions This problem occurs when in the CIMC, the IOS lockout is configured as locked:
		• CIMC CLI:
		`Server /chassis # set ios-lockout locked`
		• CIMC GUI:
		Server > Summary > Lock IOS Configuration Changes
		
		Workaround To resolve this problem, change the IOS Lockout configuration to unlocked, and then retry the Cisco IOS commands:
		• From the CIMC CLI, enter the following command:
		`Server /chassis # set ios-lockout unlocked`
		• From the CIMC GUI, do the following:
		Server > Summary > Unlock IOS Configuration Changes

CSCug24890	E-Series Server in "out of service" state after CIMC reboot.	**Symptom** After rebooting or activating the CIMC image, you use the **show platform** command from the router, and the command output displays that the state of the E-Series Server as "out of service." **Conditions** This problem occurs when you enter the following commands: 1. **hw-module subslot** *x/y* **maintenance enable** to make sure that the E-Series Server does not power-cycle when the newly installed CIMC image reboots or activates. 2. Reboot or activate the CIMC image. 3. After CIMC boots up, enter the **hw-module subslot** *x/y* **maintenance disable** command to disable the maintenance CLI**.** 4. Enter the **show platform** command from the router and the command output displays that the E-Series Server state as "out of service". **Workaround** There is no workaround. **Note** Even though the state of the E-Series Server displays as "out of service." communication between the router and E-Series Server remains operational.

Table 5 Open Caveats in E-Series Servers (continued)

Bug ID	Summary	Additional Information

CSCud44335	The **imc config file** command does not work.	**Symptom** The **imc config file** command does not work.
		
		Conditions The **imc config file** command is not active.
		`imc config file?`
		`flash0: Module configuration IOS File name`
		`flash1: Module configuration IOS File name`
		`flash: Module configuration IOS File name`
		
		Workaround There is no workaround.

CSCuf61866	Hardware failure displayed in technical logs.	**Symptom** CIMC does not boot up. The following status displays: `Waiting BIOS POST` **Conditions** This problem could occur because of a failed hardware, such as a failed DIMM, which can cause the POST to not complete. **Workaround** To resolve this problem, remove the server from the router, and then try different DIMMs to determine which one is causing the problem.
CSCug77757	The Mega RAID Controller BIOS is disabled.	**Symptom** After the BIOS POST screen, the "Adapter BIOS Disabled" error message displays, and the server is unable to boot from the RAID adapter. **Conditions** This problem might occur in some of the E-Series Servers that shipped between February and May, 2013. **Workaround** To resolve this problem, you must first disable and then enable the Controller BIOS. You can use either the WebBIOS or the Mega RAID CLI to perform this task. • From the WebBIOS, do the following: a. Choose **Controller Property**. b. Choose **Controller BIOS disable**. c. Click **Submit**. d. Choose **Controller Property**. e. Choose **Controller BIOS enable**. f. Click **Submit**. • From the Mega RAID CLI, use the following commands: a. To disable the Controller BIOS, use the **/MegaCli -AdpBIOS -Dsbl -a0** command. b. To enable the Controller BIOS, use the**/MegaCli -AdpBIOS -Enbl -a0** command.

Table 5 Open Caveats in E-Series Servers (continued)

Bug ID	Summary	Additional Information
CSCug59769	Kernel back trace when CIMC firmware is activated or rebooted.	**Symptom** The CIMC console shows a kernel back trace when CIMC is rebooting. **Conditions** This problem occurs when the newly installed CIMC firmware is activated or when CIMC is rebooted. **Workaround** In most cases, CIMC will reboot itself. If CIMC does not reboot, power-cycle CIMC either by using the router's OIR commands or by power-cycling the router itself.
CSCug49179	KVM console display does not refresh.	**Symptom** When the E-Series Server is power-cycled, the virtual KVM screen turns black, and then briefly flashes back to the old screenshot before it displays the BIOS pages. **Conditions** This problem occurs when the E-Series Server is power-cycled and the virtual KVM is used to monitor the console output. **Workaround** There is no workaround. This is a known problem. Besides the brief flashing back of the old screen, there is no effect on the server performance.
CSCud63080	The **server reset boot** *url* **flash** command does not work.	**Symptom** The **server reset boot** *url* **flash** command does not work. **Conditions** The **server reset boot** *url* **flash** command is not effective. **Workaround** There is no workaround.
CSCud65253	The **show imc filesystem** command does not display all downloaded files.	**Symptom** The **show imc filesystem** command output displays only five files. **Conditions** When you use the **show imc filesystem** command, all of the downloaded files are not displayed. **Workaround** There is no workaround.
CSCud63080	The **server reset boot URL ftp** command does not work.	**Symptom** The **server ip address** command does not work. **Conditions** The **server ip address** command is no longer applicable. **Workaround** Do not use this command.
CSCud44151	The **server ip address** command does not work.	**Symptom** The **server ip address** command does not work. **Conditions** The **server ip address** command is no longer applicable. **Workaround** Do not use this command.

Table 5 Open Caveats in E-Series Servers (continued)

Bug ID	Summary	Additional Information
CSCub58962	The **imc config file** command does not work.	**Symptom** The **imc config file** command does not work. **Conditions** The **imc config file** command is no longer applicable. **Workaround** Do not use this command.
CSCud48826	Error message does not display when a file does not have read permission and you use the **server reset boot** command.	**Symptom** An error message does not display when a file does not have read permission and you use the **server reset boot** command. **Conditions** File does not have read permission and you use the **server reset boot** command. An error message should display, but it does not. **Workaround** Do not use this command.
CSCtz86835	The virtual drive information is missing after a CIMC upgrade.	**Symptom** The virtual drive information may not show any virtual drives that were configured previously. **Conditions** This may occur immediately after a CIMC upgrade. **Workaround** Refresh GUI page. If that does not help, reboot host and enter into LSI WebBIOS to verify the virtual drives.
CSCty86334	The VMware vSphere Hypervisor 5.0 installation crashes with a purple screen if the virtual drive stripe size is less than 64 KB.	**Symptom** The VMware vSphere Hypervisor installation fails with a Purple Screen of Death (PSOD). **Conditions** The RAID array was created with a stripe size of less than 64 KB. **Workaround** Use the default 64-KB stripe size during RAID array creation.
CSCty61983	The rebuild is stuck at 0% when the host is in pre-boot environment.	**Symptom** The rebuild does not proceed and seems to get stuck. **Conditions** The host is not booted up and is not at LSI WebBIOS environment. **Workaround** Boot the host, or press **Ctrl+H** to enter LSI WebBIOS. The rebuild reconstruction will now proceed.
CSCtz71108	Cannot create (secure) virtual drive from CIMC GUI using SED drives.	**Symptom** The RAID arrays that were created from the CIMC GUI are not secured even if SED physical drives were used. **Conditions** Using the CIMC GUI to create RAID array on SED drives does not create secure drives. **Workaround** Use LSI WebBIOS to create the RAID array.

Table 5 Open Caveats in E-Series Servers (continued)

Bug ID	Summary	Additional Information
CSCua29947	The inventory of memory does not display correct information in the web.	**Symptom** On E-Series single-wide servers, some of the information under **Server > Inventory > Memory** is not correct, such as the memory manufacturer, serial number, asset tag and part number. **Workaround** There is no workaround.
CSCub20023	The lock power button locks the reset button.	**Symptom** The front panel reset button does not work. **Conditions** The lock power button is active in CIMC. **Workaround** Unlock the power button from CIMC.
CSCtz81924	The clear configuration does not clean all the partitions created by an old operating system.	**Symptom** The installation of a newer operating system can still see some of the partitions that were created by the previous operating system. **Conditions** This happens while trying to install Windows operating system on a system that previously had VMware vSphere Hypervisor on it. The Windows operating system installation may show several partitions that do not correspond to the created RAID arrays / JBOD disks. **Workaround** Perform the following steps to delete old partitions created by an old operating system: 1. Use **Drive options (advanced)** from the windows installation window. 2. Delete all the other partitions that have the name **Disk _ Partition _**. Do not delete the **Disk _ Unallocated Space** partition. 3. After all the other partitions are deleted, the **Unallocated Space** partition should show full drive capacity. 4. Windows installation should now proceed as expected. Another way to avoid running into this issue is to do a full initialization at the time of RAID array creation. Note that full initialization takes several hours to complete depending on the disk size.
CSCua29511	The full initialization on STEC SSD reports offline array and failed drives.	**Symptom** After creating a RAID array, it appears offline and all the drives in the physical drive information page appear failed. **Conditions** This happens when a full initialization is issued on STEC SSDs at the time of RAID array creation. **Workaround** The full initialization on STEC SSD drives is not currently supported. Use quick initialization instead to create optimal RAID arrays.

Table 5 Open Caveats in E-Series Servers (continued)

Bug ID	Summary	Additional Information
CSCub37825	The Windows installation using IDE DVD or KVM failed with 0x80070570.	**Symptom** The installation of Windows 2008 R2 sometimes fail with Windows code 0x80070570. **Conditions** The failure occurs when using an IDE drive and mounting it to install Windows via KVM. **Workaround** Use the direct USB drive and connect it to the UCSE USB port.
CSCua37395	The software becomes unreponsive when booting Centos live in CD.	**Symptom** The CIMC on the E-Series Server becomes unresponsive if you boot Centos 5.6 or lower versions on X86. **Conditions** Installed a Centos 5.6 or lower version IOS through virtual media or the external CD drive. **Workaround** Only Centos version 5.7 and higher versions are supported on the UCS-E platforms. Centos 5.6 and lower versions are not supported on the UCS-E platforms because of the incompatibility in the network drivers packaged in the version for BCM5719.
CSCuc11612	Wake on LAN is not working in Windows 2008 R2.	**Symptom** Wake on LAN is not working. **Conditions** In Windows 2008 R2. **Workaround** This feature is not supported. There is no workaround.

Resolved Caveats

Table 6 lists the caveats from release 1.0(2) that are resolved in release 2.x.

Table 6 Resolved Caveats in E-Series Servers

Bug ID	Summary
CSCug78059	UCSE temperature alert when the temperature is not above the maximum threshold.
CSCud48758	P1_TEMP_SENS sensor displays a very high value in CIMC.
CSCud08529	WHEA test fails for Windows 2012 HCK certification.
CSCug75113	Exiting from UCSE configuration mode does not return to global configuration mode.
CSCub97383	Cannot download ISO or DIAG images after you click **unmap** from the CIMC GUI.
CSCud75221	Operating system displays 2x core count on single-wide E-Series Servers.
CSCud44380	File download progress status not displayed on Cisco IOS.
CSCud46445	Restoring the configuration file from flash does not work.
CSCud48807	File with **img** extension is not visible in the imc file system after it is downloaded.
CSCud51345	Missing image information in CIMC GUI when the image is downloaded from Cisco IOS.

Table 6 Resolved Caveats in E-Series Servers (continued)

Bug ID	Summary
CSCud44355	Downloading an ISO file that is larger than the available space does not display proper error message.
CSCud48942	Image name appended with **(GUI)** in the imc file system.
CSCud44414	Wrong error message displays if a file does not exist and you use the **server reset boot URL ftp** command.

CSCuh18187	RBCP registration fails on the single-wide E-Series Server.
	
	Symptom On the single-wide E-Series Server (UCS-E140S) after the server is power-cycled (especially the first time after the router is powered on), the link between the router and E-Series Server does not come up, and the commands sent from the router do not complete. The **show link state** command displays the following:
	`ucs-e140s-m1 /cimc/network # show link-state`
	`Interface State`
	`------------------------------ --------------------`
	`Console No Link Detected`
	`GE1 No Link Detected`
	`GE2 No Link Detected`
	`Dedicated No Link Detected`
	
	Conditions This problem occurs occasionally after a single-wide E-Series Server is power-cycled.
	
	Workaround To resolve this problem, change the **ResumeOnACPowerLoss** setting to **Power Off**.
	
	Further Problem Description This problem occurs because the firmware that is installed on the Broadcom 5719 is out-of-date. Use the HUU to update the firmware.
	Note The latest version for the Broadcom firmware is release, 1.2.15. The latest version for the bootcode is release, 1.34.

Related Documentation

For links to the following Cisco UCS E-Series Servers documents, see the Documentation Guide for Cisco UCS E-Series Servers:

- *Release Notes for Cisco UCS E-Series Servers, Release 2.x (this document)*
- *Getting Started Guide for Cisco UCS E-Series Servers, Release 2.x*
- *Hardware Installation Guide for Cisco UCS E-Series Servers*
- *Cisco Network Modules, Server Modules, and Interface Cards Regulatory Compliance and Safety Information*
- *GUI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
- *CLI Configuration Guide for Cisco UCS E-Series Servers Integrated Management Controller, Release 2.x*
- *CIMC XML API Programmer's Guide for Cisco UCS E-Series Servers*
- *Host Upgrade Utility User Guide for Cisco UCS E-Series Servers 2.1.x*
- *Troubleshooting Guide for Cisco UCS E-Series Servers*
- *Open Source Used in Cisco UCS E-Series Servers, Release 1.0*

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

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