



Release Notes for the Cisco Edge 300 Series Switch, Release 1.4

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These release notes include important information about Cisco Edge 300 Software Release 1.4 and any limitations, restrictions, and caveats that apply to this release.

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Supported Hardware

Table 1 *Cisco Edge 300 Series Switch Supported Hardware*

| Switch | Description |
|----------------------------|---|
| CS-E300-AP-K9 | Cisco Edge 300 series switch with WiFi and Bluetooth |
| CS-E300-K9 | Cisco Edge 300 series switch |
| HS-E300-AP-K9 ¹ | HSJC/Cisco Edge 300 series switch with WiFi and Bluetooth |
| HS-E300-K9 ¹ | HSJC/Cisco Edge 300 series switch |



1. This model is available only in China.

Central Management and Configuration

The Cisco Edge 300 series switches function exclusively in a Smart Install network. Smart Install is a plug-and-play configuration and image-management feature, which means that you can ship a switch to a location, place it in the network, and power it on with no local configuration required.

Smart Install Network

A network using Smart Install includes a group of networking devices, known as clients, that are served by a common Layer 3 switch or a router that acts as a director.

All Cisco Edge 300 series switches function as Smart Install client switches in a Smart Install network. End users do not configure the client switches; all switches are centrally configured through a GUI that is installed on a TFTP server and managed by the director.

**Note**

For more information, see the “Configuring the Smart Install Network” chapter in the software configuration guide for this release. For detailed information about Smart Install and the Smart Install director, see the [Smart Install Configuration Guide, Release 12.2\(58\)SE](#).

Applying and Upgrading Images and Configuration Files

**Caution**

Before upgrading from software release 1.2 to release 1.4, remove the Factory Mode OS Version and Fonts selections from the GUI and apply the changes. See the “Configuring the Smart Install Network” chapter in the software configuration guide for this release.

When the switch starts up, it connects to the director. If the switch detects any new images or configuration files, it automatically restarts in factory-default mode and then downloads and installs the new images or configuration files.

These are the supported types of image and configuration upgrades:

- Upgrade initiated by the user—For a single client switch that is in the network and connected to the director. The user can turn the switch off and on or can press and hold the Reset button for 5 seconds to start from factory-default mode. In either case, the switch connects to the director and can detect any new images or configuration files.
- Upgrade initiated by the administrator—For a single client switch that is in the network and connected to the director. The administrator initiates the upgrade by connecting to the switch, for example, over a Telnet connection.

For more information, see the “Configuring the Smart Install Network” chapter in the software configuration guide for this release.

**Note**

On-demand upgrades and scheduled downloads are not supported. You cannot upgrade switches from the director by using the **write erase** and **reload**, **vstack download-image**, **vstack download-config**, or **archive download-sw** privileged EXEC commands.

Recovering from a Software Failure

For recovery procedures, see the “Troubleshooting” chapter in the software configuration guide for this release.

Software Images

| Filename | Description |
|---------------------------------------|--|
| edge300k9-1.4.0.tar | Cisco Edge 300 series operating system |
| smi-usb-sunbird-1.4.0-delivery.tar.gz | Cisco Edge USB Smart Install image |

New Software Features in Release 1.4

Release 1.4 introduces the following new software features:

- **VLAN**—VLAN configuration is supported in both local command line interface and smartinstall server. Both trunk configuration and access configuration are supported on all the ports of the switch. Native trunk and native VLAN modification are supported. Single SSID map to any VLAN feature is supported for WIFI. CPU VLAN is also variable on the Cisco Edge 300 Series Switch.
- **QoS**—QoS of frame forwarding is supported. Priority of incoming frame (dot1p COS, IPv4 DSCP, and IPv6 TC) can be specified in the QoS setting in ingress classification. Port priority can be specified on a per port basis. This feature enables a monitor located in a sensitive location that requires higher QoS treatment for better quality of video than the usual ones.
- **Radius Authentication**—802.1x and WPA2-enterprise authentications are supported. Backup server for Radius server is supported.
- **VPN Client**—Support multiple connection modes such as IPSec over L2TP with pre-shared key, RSA signature, PPTP, pure IPSec and pure L2TP. In the IPSec over L2TP mode, NAT traversal, MTU setting and idle disconnect threshold time setting are supported. Automatic connection status notification, event logging and configuration file emigration are supported.
- **Local web GUI**—customer can monitor system status, configure basic system information, Ethernet, Wi-Fi and VLAN in the local web GUI.
- **Wireless access authentication**—support 802.1x authentication for wireless access, including WPA2 enterprise version.
- **HTTPS**—support HTTPS transport between SmartInstall server and the Cisco Edge 300 series switch to enhance security.
- **Dynamic MAC address learning**—Dynamic MAC address learning and aging time can be configured.
- **Clish enhancement**—add **no** command to undo configuration, including configuration of NFS, NTP, hosts and hostname.

Limitations and Restrictions

The Cisco Edge 300 Series switches only support the following 3G dongle models:

- Huawei EC1270, for CDMA2000
- Huawei E261, for WCDMA

Open Caveats

- CSCtz55601
After playing the online media, all the applications on the desktop were not able to be launched, and the system prompted "cannot allocate memory".
The workaround is manual power cycle of the system.
- CSCty68660
Chrome failed to be launched after changing the host name.
The workaround is to delete the singletonlock file and relaunch Chrome.
- CSCty03023
When you upload and download files from the FTP server simultaneously, the download progress will hang, and console will print an error message: gvfsd-ftp[3126]: segfault at 20202020 ip 20202020 sp b73ac28c error 14.
There is no workaround.
- CSCty68687
Mouse cursor did not move after changing its control to keyboard.
There is no workaround.
- CSCtz55647
Online media got stuck on the desktop after the browser was minimized.
The workaround is to stop playing the online media.
- CSCtz79427
RDP reports "failed to open key map en-us" then quits.
There is no workaround.
- CSCtz90980
Flash player can't work properly.
There is no workaround.
- CSCua22437
It will take a long time to access web when video conference is activate.
The workaround is to close the video conference connection.
- CSCua22850
Mosaic shows "No Camera" even the connection is active.
The workaround is to re-connect the B with A.
- CSCtq80334

When the switch connects an Ethernet LAN to a wireless LAN, the data throughput is less than 80 Mbps.

There is no workaround.

- CSCtr31770

From Mosaic, if you click the **Jump to Client** setting and enter the IP address for a specific page 10 times, there is no audio.

There is no workaround.

- CSCtr69972

When you use the VLC application to view a video file and then establish a video conference, the CLI might display “DSP host buffer allocate fail” error messages.

The workaround is to reboot the switch.

- CSCtr77794

When you open multiple applications, the mouse might become unresponsive.

The workaround is to press the **Ctrl** and **Tab** keys.

- CSCtr96083

WiFi clients might disconnect after 7 hours.

The workaround is to reboot the switch.

- CSCtu20214

When you log in to a switch after configuring it with a system language other than Simplified Chinese, the switch displays the Simplified Chinese input method.

There is no workaround.

- CSCtt34598

When at least 100 switch IP addresses appear in the IP list window in the Mosaic application, an X-Window displays a segmentation fault after you perform this sequence of actions ten times:

- Use the left and right arrow keys to navigate between the listed switches.
- Activate monitoring of all the listed switches.
- Deactivate monitoring of all the listed switches.
- Add at least two more switch IP addresses.

The workaround is to power-cycle the switch.

- CSCtu04574

Following the first software upgrade on a switch, the Mosaic GUI does not open.

The workaround is to reboot the switch.

- CSCtu18047

The switch fails to join the VLC media player multicast group when the source video is looped, and you cannot close the VLC media player GUI.

The workaround is to reboot the switch.

- CSCts44000

If the VLC application receives a multicast video stream from the VLC server, the VLC application might become unresponsive after several minutes and cannot be closed.

There is no workaround.

- CSCtr05376
Video overlay on mosaic function if exceed two video
There is no workaround.
- CSCub98536
One Sunbird was broken after connecting the video conference
There is no workaround.
- CSCub98501
Appilication icons were disappear on the tray after changing the language
The workaround is to rebuild the launcher after changing language.
- CSCub81701
Can't add new applicaion shortcuts for keyboard settings.
There is no workaround.
- CSCud34072
Can't login the system with old password by SMI.
There is no workaround.
- CSCub62820
VPN connection failed against Cisco VPN server
There is no workaround.
- CSCuc34169
DUT runs into DSP buffer allocate fail status while running Mosaic.
The workaround is to reboot the DUT manually.
- CSCud31274
The error message appears when the system is verifying DNS settings.
There is no workaround.
- CSCuc75379
Radius server were failed by SMI.
There is no workaround.
- CSCuc57537
GE port block unexpectedly during throughput test.
There is no workaround.
- CSCty27981
PIC&PIE change
There is no workaround.

Resolved Caveats

- CSCtz55688
Resource was occupied even after the video conference application was closed.

The workaround is manual power cycle of the system.

- CSCtz55614

Video conference failed to be established sometimes.

There is no workaround.

- CSCty73413

Video Conference does not work after first software upgrade.

The workaround is to close the video conference and then reopen it.

- CSCua00449

After launching the window of Keyboard, the window is not fit to the screen.

There is no workaround.

- CSCua22216

Sometimes video conference connection between two DUTs was dropped

There is no workaround.

- CSCtw50929

After you exit and reconnect a video conference session, the video conference cannot reconnect and the GUI displays a "Play resource occupied" error message.

The workaround is to close the video conference GUI.

- CSCtw85661

Video Player can't play 1080p-h264 smoothly.

There is no workaround.

Related Documentation

These documents provide complete information about the switch and are available from this Cisco.com site:

www.cisco.com/go/cisco_edge_300

- *Cisco Edge 300 Series Switch Software Configuration Guide*
- *Cisco Edge 300 Series Switch Installation Guide*
- *Release Notes for the Cisco Edge 300 Series Switch*

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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