



Release Notes for the Cisco Edge 300 Series Switch, Release 1.2

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These release notes include important information about Cisco Edge 300 Software Release 1.2 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 1.1 to release 1.2, 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
edge300k9-1.2.0.tar	Cisco Edge 300 series operating system
smi-usb-sunbird-1.2.0-delivery.tar.gz	Cisco Edge USB Smart Install image

New Software Features in Release 1.2

Release 1.2 introduces the following new software features:

- Backup 3-G WAN for remote management. Support for WAN failover and WAN fallback operation. The following USB wireless 3-G modems are supported:
 - Huawei EC1270, for CDMA2000
 - Huawei E261, for WCDMA
- Deployment of the Smart Install GUI and TFTP server on different physical machines. Third-party software can also be used to synchronize the master TFTP with the slave server.
- SNMP v3 standard.
- Auto login management.
- Configuration for all the WiFi options in the GUI.
- Traditional Chinese language.

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

- 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.
- 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.
- 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.
- 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.
- 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.

- CSCty03023

When you upload and download files from the FTP server simultaneously, the download progress will hang, and the console will show an error message:

```
gvfsd-ftp[3126]: segfault at 20202020 ip 20202020 sp b73ac28c error 14
```

There is no workaround.

- CSCty25004

When you open VLC, after successfully configuring sunbird as a video stream source, VLC application will gone after 3 seconds.

There is no workaround.

- CSCty65624

Cannot configure NFS server on global NFS setting tab. System always prompts that the Cisco Edge Path is "invalid path".

The workaround is to configure the same setting on individual sunbird NFS setting.

- CSCty68660

Chrome failed to be launched after changing the host name of DUT in GUI.

The workaround is to delete singletonlock file and relaunch the chrome.

- CSCty68687

Mouse cursor did not move after changing its control to keyboard.

There is no workaround.

- CSCty69010

Media files failed to be played if the path had space characters.

There is no workaround.

- CSCty73413

Video Conference does not work properly for the first time after software upgrade.

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

Resolved Caveats

- CSCtr72580

When you reboot the switch, a loud sound might be played through the attached speakers.

There is no workaround.

- CSCtr91362

Internet online media cannot be played completely by Firefox or Chrome.

There is no workaround.

- CSCts43962

When sending multicast or broadcast traffic to the uplink port, the wireless client cannot browse the web through the switch.

There is no workaround.

- CSCtt44010
A digital signal processor buffer allocation failure during switch reboot causes a kernel panic.
There is no workaround.
- CSCtu20218
When you use the GUI to configure Spanish as the system language for a switch, the application names are displayed in English. This situation occurs in these applications:
 - Bluetooth
 - Simplified Chinese Input Method setup
 - WiFi Access Point setup
 - Wired network setupThere is no workaround.
- CSCtu23684
You cannot use the Simplified Chinese Input Method (SCIM) GUI to change the input method from Simplified Chinese to Spanish after configuring Spanish as the system language for the switch.
There is no workaround.
- CSCtu23702
Icons and buttons in the GUI for all applications display in English when the switch is configured for another language.
There is no workaround.
- CSCtw45524
User can change the IP information using Student user name and password.
There is no workaround.
- CSCtw50873
When you download a file and attempt to open the containing folder using Firefox, Firefox attempts to open the file.
There is no workaround.
- CSCtw57838
The Smart Install GUI fails to upload the hosts file to the Cisco Edge 300 switch if the switch cannot reach the DNS server.
Use one of these workarounds:
 - Modify the “/etc/sshd_config” switch SSH configuration file to disable DNS check by replacing #UseDNS yes with #UseDNS no.
 - Configure a valid and reachable DNS for the switch.
 - Clear the default DNS configuration file “/etc/resolv.conf” on the switch.

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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