



# Release Notes for Cisco Edge 340 Series, Release 1.1

---

**First Published: April 21, 2014**

**OL-31687-01**

These release notes include important information about Cisco Edge 340 Series Software release 1.1 and the limitations, restrictions, and caveats, if any, that apply to this release.

## Contents

- [System Requirements, page 1](#)
- [New and Changed Information, page 3](#)
- [Open Caveats in Release 1.1, page 5](#)
- [Resolved Caveats in Release 1.1, page 7](#)
- [Related Documentation, page 8](#)

## System Requirements

### Hardware Supported

**Table 1** *Cisco Edge 340 Series Supported Hardware*

Model No.	Description
CS-E340W	Cisco Edge 340 Series (Wireless)
CS-E340	Cisco Edge 340 Series (Non-wireless)



## Software Images

Filename	Description
Cisco-Edge-1.1-i386-DVD.bin	Cisco Edge 340 Series OS

## Upgrading to a New Software Release

The Cisco Edge 340 series supports the following installation and upgrade types:

- [USB Mode Installation and Upgrade](#)
- [Remote Upgrade From the Web GUI](#)
- [BIOS Upgrade](#)

### USB Mode Installation and Upgrade

The Cisco Edge 340 Series software releases a self-extract installer. The file name is Cisco-Edge-*version*-i386-DVD.bin. It is an executive file that helps you to perform the installation automatically. When you execute the self-extract installer, the installation-related files are extracted to the hard drive of the Cisco Edge 340 Series, and a livecd is created in the internal USB. The system then boots from the internal USB (also known as the factory mode) and performs the installation automatically.

If the internal USB has already been created as a livecd, you can press the factory mode pinhole on the front panel of the Cisco Edge 340 Series to enter the factory mode and perform the installation procedure automatically.



#### Note

Usually, the internal USB is created as a livecd in the factory. Executing the self-extract installer will overwrite the original livecd and create a new one.

### Command Description

You can use the Cisco-Edge-*version*-i386-DVD.bin command with different parameters to implement installation or upgrade, print help, or create livecd only. In the command, *version* indicates the image version, which will be 1.1 for this release. For detailed instructions of installation and upgrade for this release, see *Cisco Edge 340 Series Software Configuration Guide, Release 1.1*.

For the installation and upgrade of the releases other than 1.1, refer to the software configuration guide of corresponding releases.



#### Note

When you use this method to install or upgrade the system, make sure there is 1.5G free space at least.

1. To select the internal USB as a livecd disk and boot into factory mode to finish the installation automatically, use the following command:

```
Cisco-Edge-1.1-i386-DVD.bin
```

2. To print help and then exit, use the following command:

```
Cisco-Edge-1.1-i386-DVD.bin --help|-h
```

3. To create livecd only, without entering factory mode nor executing the system installation program, use the following command:

```
Cisco-Edge-1.1-i386-DVD.bin -t|--target <dev>
```

<dev> is the full path of the target u-disk into which the livecd will be burned, for example, /dev/sdb1.

4. To wipe the home partition before the system is installed, use the following command:

```
Cisco-Edge-1.1-i386-DVD.bin -w|--wipe
```

**Note**


---

When the home partition is wiped, user data will be lost.

---

## Remote Upgrade From the Web GUI

You can perform a remote upgrade for the Cisco Edge 340 Series using the web GUI if you have the address to download the self-extract installer. When you choose to perform the remote upgrade, the system will automatically download the self-extract-installer from the URL that you provide and execute the self-extract-installer to finish the installation.

## BIOS Upgrade

BIOS upgrade can only be performed by manually installing the package and executing the commands in the Linux environment. BIOS is a critical part of the system, and there is no software recovery method if it crashes. To ensure successful BIOS upgrade, make sure that the external power supply is always connected, and do *not* perform any power cycle action during the upgrade process.

## Recovering from a Software Failure

For recovery procedures, see the “Troubleshooting” chapter in the *Cisco Edge 340 Series Software Configuration Guide*.

# New and Changed Information

This section contains new and changed information for this release.

## New Hardware Features in Release 1.1

Release 1.1 introduces the following new hardware features:

- Touch screen—Supports both single touch screen and multi touch screen.

## New Software Features in Release 1.1

Release 1.1 introduces the following new software features:

- SIP video call plug-in (for Chrome and Firefox)<sup>1</sup>
  - Support HD video call with up to 720p resolution, compatible with CUCM (v9.1.0), interoperable with EX90, Cisco IP Phone 9971 and 9951.
  - Supports device registration and unregistration.
  - Supports to set up, end, pick up, and mute a call; supports echo cancellation, call waiting splash screen, and volume adjustment; supports Logitech C920 HD camera.
  - Screen sharing—Supports to accept shared screen from Cisco TelePresence C20 and TP EX90.
- Zero-touch Deployment—Supports DHCP Option 43. Support to download script from the URL provided in this field. Supports to connect the server with the provided IP address in this field.
- NTP server backup—Supports at least two NTP server IP addresses for backup. To configure backup servers, separate the server names with comma.
- HD video:
  - VLC JS API—Supports basic function and API to adjust stream latency. The default value of latency is 300 ms.
  - Streaming support—Supports H.264, MPEG2, MPEG4 part2, and WVC-1 codec for HTTP with video frame-rate up to 30fps (Apache server is recommended); supports MPEG2 codec for UDP and RTP with video frame-rate up to 30fps (VLC server is recommended).
  - Supports up to 20 Mbps data rate, GOP length 15.
  - Supports 1080p, 1080i@30fps, and 720p@30fps.
- DMP support:
  - Boots into DMP mode—Supports auto-login, and re-auto-login; supports to change the username and password for the user account of auto-login; supports to skip desktop.
  - Supports to report the current status of the VLC by JS API, such as whether it is in playback or paused, and the time position of playback.
- New system monitoring dashboard—All system status can be monitored on a single web page with graphic statistics.
- Updated log settings on web GUI—Supports to set size and level of local log, and upgrade log to remote server by assigning server IP, port, level, etc.
- Resolution support:
  - Supports HDMI auto detection—Supports to detect all fields in HDMI EDID, and set it according to both normal section and extended section.
  - Resolution override—Supports to disable the EDID detection, and set any resolution values from the default resolution value list to a monitor.



### Note

For a complete list of available resolution values, see *Cisco Edge 340 Series Software Configuration Guide*.

1. The SIP video call plug-in has a better performance in Chrome than Firefox.



**Note** If the monitor does support enforced setting, the preferred resolution in EDID will be chosen.

- Resolution enforcement setting—Supports to set up default resolution and enforce the settings to all connected monitors.
- Show IP—Supports to show wired and wireless IPv4 address on GDM and desktop.
- Supports IR remote controller of model number DMP-RM-K9=. Supports system default key mapping and API for customization.

## Open Caveats in Release 1.1

- CSCuj03737

Intel graphic driver-related issues.

- When the system wakes from S3 mode, the Timesys Fedora 14 system runs slower.
- The extend screen does not work properly.
- Nothing is displayed after switching the monitor from VGA to HDMI.
- The HDMI monitor displays instability.
- Screen displays a different layout after the HDMI monitor is turned off and then unplugged and plugged in again.
- Disconnecting VGA or HDMI in the extend display mode causes a display error.
- When the VGA resolution is adjusted, HDMI has no output.
- Display errors accrue in the extend display mode.
- When the system is booted up with VGA connected and then the HDMI is plugged in, there is no HDMI output.
- In the duplicated mode, setting HDMI rotation causes the VGA display to crash.
- In the extend mode, rotating HDMI display causes error.
- In the extend mode, the second screen overlaps with the main screen.
- Login panel layout is not displayed correctly after reboot with dual-portrait setting.
- When the resolution rotation is changed from duplicated to extend mode (dual-portrait), the display shows wrong layout.
- When the resolution rotation is changed from right to normal (dual-portrait), the display shows wrong layout.
- When the resolution rotation is changed from landscape-portrait to dual-landscape mode, the display shows wrong layout.
- When the resolution rotation is changed from extend to duplicated (landscape-portrait), the display shows wrong layout.
- When the resolution rotation is changed from dual-landscape to landscape-portrait, the display shows wrong layout.

There is no workaround.

- CSCuj49538

HTTP stream playback is not smooth and easy to block in 2 channels mode.

There is no workaround.

- CSCuj78740

VLC plugin-related issues.

- RTSP display has limited support for VLC plugin.
- When the VLC plugin plays two channels of 1080p 24fps videos with one browser on a 1080P screen for 48 hours, the videos stop unexpectedly after 12 or 48 hours. And the system may crash if the bit rates of the two channels of videos are too high.
- Only the videos with the same codec can play smoothly in the same time with one browser.
- The web page with other contents in addition to VLC plugin got high xorg CPU usage.

There is no workaround.

- CSCun23000

PPTP reconnecting automatically does not work in AP mode.

The workaround is to reboot the device or reconnect the VPN manually.

- CSCun47114

VLC streaming play back related issues.

- UDP unicast video cannot play smoothly in Wi-Fi mode.
- UDP multicast video begin with 6s of green frames.
- Long time delay and heavy mosaic on video stream.
- Big mosaic on MPEG2 video stream.
- VLC media player cannot play HTTP network stream (YouTube).

There is no workaround.

- CSCun70198

Network manager crashed occasionally after switching the Wi-Fi mode.

The workaround is to reboot the device.

- CSCun80404

Connection will be lost in high-density Extended Service Set (ESS) network.

The workaround is to reconnect to the ESS network manually.

- CSCun96138

DUT cannot reconnect to the ASUS AP RT-N56U after disconnected.

The workaround is to reboot the DUT.

- CSCuo10636

DNS server got from VPN still presents when connection is unestablished.

The workaound is to reboot the device.

- CSCuo23986

The rescue mode can only be displayed by VGA.

There is no workaround.

- CSCuo26650

Playing 1080P-H264-MP4 video in portrait mode joggled.

There is no workaround.

- CSCuo29278

Edge 340 screen frozen at MPEG2 video stream in Wi-Fi station mode.

There is no workaround.

- CSCuo35575

Extend mode related issues:

- Dual display in the extend mode is not supported.
- When playing 2 videos in 1080P extend mode, unexpected flicker appears.
- When playing 2 videos in 1080P extend mode, the entire frame cannot be displayed.
- Frame loss happened when playing 2 videos in extend mode.
- VGA screen has abnormal appearance in 2 channels extend mode.

There is no workaround.

## Resolved Caveats in Release 1.1

- CSCuh50737

Switching Wi-Fi modes has less than 1% probability to get core dump.

- CSCui11621

Tray icon state of Wi-Fi client is connected even disassociated. The status change will be presented in no longer than 30s.

- CSCui12047

RA-link driver related issues.

- CSCui16498

IPv6 DHCP client cannot work when router advertisement is disabled on the connected router.

- CSCui21592

Video conference lasting for more than 10 hours may cause system halted.

- CSCui52915

Failed to boot up and stuck unexpectedly after SW reboot.

- CSCuj05758

Wrong operation of USB hot plug makes system abnormal.

- CSCuj21736

Configuration is not able to display after AP is enabled.

- CSCuj79962

GDM window appears twice after booting up.

- CSCuj84575

Stuck to boot up after changing the HDMI signal to VGA.

- CSCul21534

AP configuration does not take effect after reload.

- CSCul21580

The br0 interface cannot obtain IP address after the configuration is reloaded.

- CSCul49523

EAP method option is missing on the Web GUI.

## Related Documentation

These documents provide detailed information about the Cisco Edge 340 Series device and are available at:

[http://www.cisco.com/go/cisco\\_edge\\_340](http://www.cisco.com/go/cisco_edge_340)

[http://www.cisco.com/go/cisco\\_edge\\_340\\_s](http://www.cisco.com/go/cisco_edge_340_s)

- *Cisco Edge 340 Series Software Configuration Guide*
- *Cisco Edge 340 Series Installation Guide*

## 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>.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2014 Cisco Systems, Inc. All rights reserved.