

# Release Notes for Cisco RV340/RV340W/ RV345/RV345P Router Firmware Version 1.0.01.16

This document describes resolved issues and known issues in Cisco RV340/RV340W/RV345/RV345P Firmware Version 1.0.01.16.

- NOTE** Firmware file 'RV34X-v1.0.01.16-2017-02-28-13-14-52-PM.img' is for most general PIDs, while Firmware file 'RV34X-v1.0.01.16\_RU01-2017-03-27-18-02-12-PM.img' is only for the Russian PIDs of the Cisco RV340, RV345 and RV345P which do not support VPN features.
- NOTE** The configuration will be lost if you downgrade the firmware from this version to an earlier version. The configuration files from this version can not be imported to the previous release. We recommend that you reset your device to use the default settings when you upgrade to version 1.0.01.16 and reconfigure your settings to include these new features.
- NOTE** 1.0.01.16 is the first version to support RV340W/RV345P, please don't downgrade your RV340W/RV345P to earlier versions.

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### Feature Enhancements

- The IP Source Guard behavior is enhanced for the RV345/RV345P. All of the IP/MAC entries in the user defined binding table and DHCP lease table will be protected if the IP source guard is enabled. There is no need to add entries from the DHCP lease table to IP & MAC binding table.
- Supports Firmware Auto Fallback mechanism
- Enhancements to the automatic updates feature

## Resolved Issues

Number	Description
<b>CSCva76883</b>	SSLVPN was unable to startup when the Client Domain or the Login Banner was left blank.
<b>CSCvb01361</b>	Web filter: A visit to a website was slow when the web filter rule was added.
<b>CSCvb21635</b>	Router did not support EAP with tagged packet.
<b>CSCvb41417</b>	IPSec VPN tunnel could not connect if setup with Wizard, and the DPD was enabled.
<b>CSCvb49638</b>	RIP thru GRE function was not working.
<b>CSCvb65908</b>	Content filter did not work when the Allow List was empty.
<b>CSCvb65950</b>	Static DHCP entry name containing space character caused the DHCP process to fail.
<b>CSCvb72529</b>	DUT executed multi processes of upgrades concurrently.
<b>CSCvb76395</b>	PPPoE user name did not accept "@" and "." in the Setup Wizard.
<b>CSCvb80062</b>	GUI in Firefox browser: Page had no response when edit is used to expand category in AVC.
<b>CSCvb83781</b>	RV345 LAN switch ports LED/Link sometimes worked abnormally.
<b>CSCvc52112</b>	Device did not close the http connection to the webroot server when the server sent TCP FIN.
<b>CSCvb88966</b>	PPPoE sometimes failed to connect.
<b>CSCvd15344</b>	Fail to add web filter or app control rule with IP address group which name contains space characters.

## Known Issues

### Caveats acknowledged in Release 1.0.01.16

Number	Description
<b>CSCvd91275 (Russian PIDs)</b>	<p>The VPN settings become abnormal after upgrading from RU image to general image.</p> <p><b>Solution:</b> Check the “Reset all configuration/setting to factory defaults” option when uploading/upgrading the image. Or reboot the device with “Return to factory default settings after reboot” option on the GUI&gt;Administration&gt;Reboot page.</p>
<b>CSCvd33983</b>	<p>After configuring the SSID by Setup Wizard, the SSID is disabled by default.</p> <p><b>Solution:</b> Go to Wireless &gt; Basic Settings in the graphical user interface (GUI) to enable the SSID.</p>
<b>CSCvd39976</b>	<p>SSID name included space character is identified as two SSIDs in user group setting page.</p> <p><b>Solution:</b> Remove the special character from the SSID name.</p>
<b>CSCvd40229</b>	<p>Sometimes the schedule feature will throw the SSID off even when the system time falls into the scheduled range.</p> <p><b>Solution:</b> None.</p>
<b>CSCvd69056</b>	<p>Bonjour response are not sent out when the SSID/ Captive Portal is enabled.</p> <p><b>Solution:</b> None</p>
<b>CSCvd54797</b>	<p>Timezone settings is an hour off for some regions/cities.</p> <p><b>Solution:</b> None</p>
<b>CSCvd42439</b>	<p>Cannot download the running configuration file to PC after creating new captive portal profile.</p> <p><b>Solution:</b> Copy running to startup, then reboot the device. The it can be downloaded to a PC.</p>

Number	Description
<b>CSCvd25865</b>	IPv6 status shows that it is down when the IPv6 WAN type is PPPoE and IPv4 type is DHCP or static.  <b>Solution:</b> Ignore the IPv6 status. If both IPv4 and IPv6 are PPPoE, the status is correct.
<b>CSCvd17343</b>	SNMP system uptime value is not the same as the device web GUI.  <b>Solution:</b> None.
<b>CSCvd34369</b>	Can not connect to the Teleworker VPN Client manually.  <b>Solution:</b> Enable the Auto Initiation Retry. It will connect/reconnect automatically in the backend. Or, choose “Do not Activate the Connection” before applying, then click the connect button.
<b>CSCvd34360</b>	Teleworker VPN Client IOT issue with ASA and RV325.  <b>Solution:</b> Enable the PFS (Perfect Forward Secrecy) option on the ASA device.
<b>CSCvd40442</b>	The License Server Address in the License transport settings should be grayed out.  <b>Solution:</b> None. The device only supports the Cisco Smart License server.
<b>CSCva62803</b>	AC340U sometimes can not dial a connection on the USB1.  <b>Solution:</b> Try the USB2 port and unplug and replug the dongle again.

## Firmware Auto Fallback Mechanism

The device includes two firmware images in the flash to provide an Auto Fallback Mechanism so that the device can automatically switch to the secondary firmware when the active firmware is corrupted or cannot boot up successfully.

The Auto Fallback Mechanism operates as follows:

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- STEP 1** The device first boots up with the active firmware.
- STEP 2** If the active firmware is corrupted, it will switch to the secondary firmware automatically, after the active firmware has failed to boot up after 5 trials. If the router gets stuck and does not reboot automatically to the secondary image, proceed to do the following:
- Power the router off.
  - Power the router back on, and wait for 30 seconds, then power off.
  - Repeat Step 2 for 5 times. The router will switch to the secondary or inactive firmware.
- STEP 3** Re-download the firmware and check the hash or reset to factory default settings to see if any configuration settings are causing the issue.
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## Related Information

<b>Support</b>	
Cisco Support Community	<a href="http://www.cisco.com/go/smallbizsupport">www.cisco.com/go/smallbizsupport</a>
Cisco Support and Resources	<a href="http://www.cisco.com/go/smallbizhelp">www.cisco.com/go/smallbizhelp</a>
Cisco Firmware Downloads	<a href="http://www.cisco.com/go/software">www.cisco.com/go/software</a> Select a link to download firmware for Cisco Small Business Products. No login is required.
<b>Product Documentation</b>	
Cisco RV Series Routers	<a href="http://www.cisco.com/go/smallbizrouters">www.cisco.com/go/smallbizrouters</a>

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