

# Release Notes for Cisco Small Business Pro ESW500 Series Switches Firmware Version 2.1.19

## October 2010

These Release Notes describe the recommended practices and known issues in the Cisco Small Business Pro ESW500 Series Switches firmware version 2.1.19.

The following table lists the boot versions that are associated with firmware version 2.1.19:

Description	Version	Date
<b>Firmware version</b>	2.1.19	August 2010
<b>Boot version</b>	1.0.0.4 (24/48-port models)	May 2008
	1.0.0.7 (8-port models)	October 2009

In the table above, the boot version for the 8-port models is different from the 24- and 48-port models.

In addition, firmware version 2.1.19 requires boot version 1.0.0.7 for the following two 8-port models: esw520-8p-k9-2119.ros for ESW-520-8P and esw540-8p-k9-2119.ros for ESW-540-8P. The remaining 24- and 48-port models require boot version 1.0.0.4, if the switch does not have the boot version released in May 2008. These models are esw520-k9-2119.ros (for ESW-520-24P, ESW-520-24, ESW-520-48P, and ESW-520-48) and esw540-8p-k9-2119.ros (for ESW-540-24P, ESW-540-24 and ESW-540-48).

**NOTE** The 8-port models with the new VID of V02 (ESW-520-8P-K9 V02 and ESW-540-8P-K9 V02) cannot be loaded with firmware versions of 2.1.16 or earlier.

## Contents

This document includes the following topics:

- **Changes Since Cisco Small Business Pro ESW500 Series Switches Firmware Version 2.1.16**
- **Related Information**

## Changes Since Cisco Small Business Pro ESW500 Series Switches Firmware Version 2.1.16

Problems were fixed.

### Issues Resolved

The following problems were fixed in firmware version 2.1.19:

- CSCtc39241: The ESW switch increments the port security counter when it shouldn't.

This problem occurs during ESW switch port initialization. If an IP phone is connected to the ESW switch and a PC is connected to the back of the IP phone, both devices simultaneously try to communicate over the LAN controlled by the switch. As a result, the ESW switch can erroneously count the number of connected devices on that port and begin blocking traffic because the port's maximum number of allowed devices is exceeded.

This problem has been fixed.

- CSCti44583: Cannot use special characters when authenticating against RADIUS/TACACS servers.

This problem addresses the inability to use special characters (+, &, %, #) in the login name and password when authenticating against RADIUS/TACACS servers.

This problem has been fixed.

- CSCth98425: HTTP login session temporarily unavailable on other ports after removing the management VLAN from the port that your PC is using to manage the switch.

This problem affects Windows 7 users only.

To avoid this problem, when changing VLAN settings, be careful not to remove the management VLAN from the port that your PC is using to manage the switch. In other words, do not remove VLAN 1 (default management VLAN) from the port that you are plugged into while managing the switch.

Doing so causes the HTTP login session to be temporarily unavailable on the other ports that are still on the management VLAN.

This problem does not affect access via console (Telnet).

If the HTTP login session becomes temporarily unavailable, the workaround in this case is to wait approximately 10 minutes from the time the VLAN setting was changed, after which the switch becomes available on those other ports that are members of the management VLAN.

## Known Issues

The following are known issues in firmware version 2.1.19:

- The ESW 500 series switch does not support adding an NTP server (for example, pool.ntp.org) as a hostname.

Workaround:

Use an IP address of a known NTP server in place of a hostname.

- When viewing the switch port settings, the budgeted power column shows consumed power. The ESW 500 series currently does not support 802.3af class based power allocation.
- There is an error in the documentation that states that the POWER/SYS LED flashes red for hardware failure. This is not accurate, and was intended for a different software release. There is no flashing red POWER/SYS indicator on the ESW 500 series switches at this time.

## Related Information

Support	
Cisco Small Business and Small Business Pro Support Community	<a href="http://www.cisco.com/go/smallbizsupport">www.cisco.com/go/smallbizsupport</a>
Cisco Small Business and Small Business Pro Support and Resources	<a href="http://www.cisco.com/go/smallbizhelp">www.cisco.com/go/smallbizhelp</a>
Phone Support Contacts	<a href="http://www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html">www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html</a>
Cisco Small Business and Small Business Pro Firmware Downloads	Download firmware for Cisco Small Business Products. No login is required. <a href="http://www.cisco.com/go/software">www.cisco.com/go/software</a>
ESW500 Help	<a href="http://www.cisco.com/go/esw500help">www.cisco.com/go/esw500help</a>
Product Documentation	
ESW500	<a href="http://www.cisco.com/en/US/products/ps10143/tsd_products_support_series_home.html">http://www.cisco.com/en/US/products/ps10143/tsd_products_support_series_home.html</a>
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	<a href="http://www.cisco.com/web/partners/sell/smb">www.cisco.com/web/partners/sell/smb</a>
Cisco Small Business Home	<a href="http://www.cisco.com/smb">www.cisco.com/smb</a>

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