

Release Notes for Cisco Small Business Pro ESW 500 Series Switches

October, 2009

These Release Notes describe the recommended practices and known issues that apply to the ESW 500 Series of Switches for the following software release:

Description	Version	Date
Software version	2.1.16	Oct/2009
Boot version	1.0.0.4 (24/48 port models)	May/2008
	1.0.0.7 (8 port models)	Oct/2009

In the table above the boot version is different for the 8 port models versus the 24 and 48 port models. Software version 2.1.16 requires boot version 1.0.0.7 for the two 8 port models (esw520-8p-k9-2116.ros for ESW-520-8P and esw540-8p-k9-2116.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 are esw520-k9-2116.ros for ESW-520-24P, ESW-520-24, ESW-520-48P, ESW-520-48 and esw540-k9-2116.ros for ESW-540-24P, ESW-540-24, ESW-540-48.

Contents

- **“Release Contents,” on page 2**
- **“Recommended Practices,” on page 3**
- **“Known Issues,” on page 3**
- **“Issues Resolved,” on page 4**
- **“Downloading the Firmware,” on page 5**
- **“Where to Find Support,” on page 5**

Release Contents

This software version (2.1.16) contains the following items:

- Added four additional pre-defined macros to the Smart Ports:
 - Guest
 - Server
 - Video Surveillance Camera
 - Printer
- Changed the behavior of the Smart Ports macro to return to the beginning of the wizard after setting a macro.
- Changed the behavior of the Smart Ports VLANs in Trunk Mode macro. All of the VLANs created on the switch should be allowed on the port. The user can exclude some of the VLANs or all the VLANs when activating the macro. This change applies to the following macros:
 - Access Point
 - Switch
 - Router
- On the first login to the switch, the user is forced to change from the default login and password combination of cisco/cisco.
- Added support to upgrade the switch via the HTTP protocol in addition to the TFTP protocol
- Added enhancements to the switch Configuration Utility GUI.
- Added an automatic DHCP configuration feature which will download a configuration file from a DHCP server. This feature can be enabled or disabled, with the default being enabled.
- Added support for the Bonjour protocol with three services; Cisco Configuration Service, HTTP, and HTTPS. This feature can be enabled or disabled, with the default being enabled.
- Changed the default configuration from classic STP to RSTP
- Bug fixes

Recommended Practices

- When the user changes the default VLAN, the previous default VLAN will be deleted from the switch. If the user wants to work with the previous default VLAN as a regular VLAN, they should create it again.
- When working with the ESW-520-48P switch and the RPS1000 Redundant Power Supply, the RPS1000 can provide 380W. This is less than the internal power supply on the ESW-520-48P can provide. The user should verify that the consumed PoE power does not exceed 270W before connecting RPS1000 to the switch.
- The real-time clock or internal clock is not currently supported by hardware. As a result, the clock is out of sync after a system reload or power cycle.

Workaround:

Configure the external clock using SNTP.

- There is a change in the behavior of the Smart Ports macros Access Point, Switch, and Router. The step to provision or refresh Smart Ports is needed to enable newly added VLANs on a trunk port after a new VLAN is created, because the newly added VLAN is not automatically enabled on all trunk ports.
- The Port Settings page of the 8-Port versions of the switch shows the ports as g1-g9. However, the Gigabit Ethernet port on the back of the switch is labeled as GE1. Standard Ethernet ports are g1-g8, and the GE1 port on the back of the 8-Port switch is ge9 in the switch configuration utility.

Known Issues

- When using DHCP snooping with mixed entry types Static and Dynamic, deleting Static DHCP snooping types will result in both entry types reappearing.

Workaround:

In order to delete static DHCP snooping entries the user need to perform the following steps:

STEP 1 Disable DHCP snooping database

STEP 2 Delete desired static entry

- STEP 3** Synchronize the clock again (either by clock set command or via sntp) OR reload the device
 - STEP 4** Enable DHCP snooping database
 - STEP 5** Renew all dynamic hosts IP addresses to be learned again (dynamically) by DHCP snooping table.
-

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

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 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.

Issues Resolved

- The SNTP server was always displayed as secondary in the preferences column (if two servers are configured both will be displayed as secondary).
- There existed a hardware limitation on the ESW-540-48 switch. If you insert a fiber optical cable into one of the four mini-GBIC ports, the corresponding copper port LED should light up, but did not.
- A condition existed where a user is able to log into the switch without providing a username and password. If the user has already logged into the switch, and then clicks the back button on the browser, they are logged out of the switch at this point. Once the login page appears, if the user clicks the login button, they are logged into the switch without providing a login or password. This problem was observed with the Internet Explorer version 7.0.573.13 and the Firefox version 3.0.7 browsers.

Downloading the Firmware

To obtain current firmware for Cisco Small Business and Small Business Pro products, visit the following URL:

<http://tools.cisco.com/support/downloads>

Where to Find Support

To obtain current support contact information for Cisco Small Business and Small Business Pro products, visit the following URLs:

www.cisco.com/en/US/products/ps10143/tsd_products_support_series_home.html

www.cisco.com/go/esw500help

www.cisco.com/go/smallbizsupport

CCDE, CCENT, Cisco Eos, Cisco Lumin, Cisco Nexus, Cisco StadiumVision, Cisco TelePresence, Cisco WebEx, the Cisco logo, DCE, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn and Cisco Store are service marks; and Access Registrar, Aironet, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, EtherFast, EtherSwitch, Event Center, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, iQuick Study, IronPort, the IronPort logo, LightStream, Linksys, MediaTone, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, Network Registrar, PCNow, PIX, PowerPanels, ProConnect, ScriptShare, SenderBase, SMARTnet, Spectrum Expert, StackWise, The Fastest Way to Increase Your Internet Quotient, TransPath, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website 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. (0809R)

© 2009 Cisco Systems, Inc. All rights reserved.

OL-19633-01