Release Notes for Cisco Business 220 Series Switches - Software Version 2.0.2.17 to 2.0.0.13

Introduction

This Release Note describes the recommended practices and known issues that apply to software version 2.0.2.17 for the Cisco Business 220 Series Switches.

Caveats

Table 1: Caveats Resolved in Release V2.0.2.17

Number	Description
CSCws24989	CDP andf LLDP neighbour MIB are not working on latest version
CSCwp33722	SNMP MIB to set a VLAN on a CBS220
CScwu00290	All users are removed after a failed creation of local account through CBD

Introduction

October 2025

This Release Note describes the recommended practices and known issues that apply to software version 2.0.2.16 for the Cisco Business 220 Series Switches that include the following models:

Model	Product Label
CBS220-8T-E-2G	10-Port Gigabit Smart Switch
CBS220-8P-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-8FP-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-16T-2G	18-Port Gigabit Smart Switch
CBS220-16P-2G	18-Port Gigabit PoE Smart Switch
CBS220-24T-4X	24-Port Gigabit Smart Switch
CBS220-24P-4X	24-Port Gigabit PoE Smart Switch
CBS220-24FP-4X	24-Port Gigabit PoE Smart Switch

Model	Product Label
CBS220-48T-4X	48-Port Gigabit Smart Switch
CBS220-48P-4X	48-Port Gigabit PoE Smart Switch
CBS220-48FP-4X	48-Port Gigabit PoE Smart Switch
CBS220-24T-4G	24-Port Gigabit Smart Switch
CBS220-24P-4G	24-Port Gigabit PoE Smart Switch
CBS220-48T-4G	48-Port Gigabit Smart Switch
CBS220-48P-4G	48-Port Gigabit PoE Smart Switch

Resolved Issues

Table 2: Caveats Resolved in Release V2.0.2.16

Number	Description
CSCwo39228	System uptime changes with no actual reboot

Introduction

March 2025

This Release Note describes the recommended practices and known issues that apply to software version 2.0.2.15 for the Cisco Business 220 Series Switches that include the following models:

Model	Product Label
CBS220-8T-E-2G	10-Port Gigabit Smart Switch
CBS220-8P-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-8FP-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-16T-2G	18-Port Gigabit Smart Switch
CBS220-16P-2G	18-Port Gigabit PoE Smart Switch
CBS220-24T-4X	24-Port Gigabit Smart Switch
CBS220-24P-4X	24-Port Gigabit PoE Smart Switch
CBS220-24FP-4X	24-Port Gigabit PoE Smart Switch
CBS220-48T-4X	48-Port Gigabit Smart Switch
CBS220-48P-4X	48-Port Gigabit PoE Smart Switch

Model	Product Label
CBS220-48FP-4X	48-Port Gigabit PoE Smart Switch
CBS220-24T-4G	24-Port Gigabit Smart Switch
CBS220-24P-4G	24-Port Gigabit PoE Smart Switch
CBS220-48T-4G	48-Port Gigabit Smart Switch
CBS220-48P-4G	48-Port Gigabit PoE Smart Switch

Resolved Issues

Table 3: Caveats Resolved in Release V2.0.2.15

Number	Description
CSCwo37015	CLI configuration "switchport vlan tpid 0x88a8" is removed after reboot.
CSCwo37009	Reboot is caused by excessive messages %STP-5-BPDUFILTER: <BPDUFILTER>Dropping BPDU on GigabitEthernet22 with the BPDU Filter enabled.
CSCwn33640	CBS220 TCP congestion UI error.
CSCwn28451	Interoperability issue with Cisco DECT 110. Ignore the EAP response with a wrong unicast DEST MAC.
CSCwn23480	IGMP/MLD snooping - switch is partially stuck or crasheds affecting multicast.
CSCwn53857	CBS220 ignores DHCPNAK (RFC2131 violation)

Introduction

April 2024

This Release Note describes the recommended practices and known issues that apply to software version 2.0.2.14 for the Cisco Business 220 Series Switches that include the following models:

Model	Product Label
CBS220-8T-E-2G	10-Port Gigabit Smart Switch
CBS220-8P-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-8FP-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-16T-2G	18-Port Gigabit Smart Switch
CBS220-16P-2G	18-Port Gigabit PoE Smart Switch
CBS220-24T-4X	24-Port Gigabit Smart Switch

Model	Product Label
CBS220-24P-4X	24-Port Gigabit PoE Smart Switch
CBS220-24FP-4X	24-Port Gigabit PoE Smart Switch
CBS220-48T-4X	48-Port Gigabit Smart Switch
CBS220-48P-4X	48-Port Gigabit PoE Smart Switch
CBS220-48FP-4X	48-Port Gigabit PoE Smart Switch
CBS220-24T-4G	24-Port Gigabit Smart Switch
CBS220-24P-4G	24-Port Gigabit PoE Smart Switch
CBS220-48T-4G	48-Port Gigabit Smart Switch
CBS220-48P-4G	48-Port Gigabit PoE Smart Switch

Resolved Issues

Table 4: Caveats Resolved in Release V2.0.2.14

Number	Description
CSCwf82312	CBS220 feature request: Provide link to the "Virtual Assistant" support bot.
CSCwf26961	CBS220 enhancement request: Change reset button behavior to match CBS250/350.
CSCwj63575	MIB dot1dBaseNumPorts is always 52.
CSCwh29387	CBS 220 keeps rebooting after 1 - 2 weeks of uptime.

Introduction

October 2023

This Release Note describes the recommended practices and known issues that apply to software version 2.0.2.12 for the Cisco Business 220 Series Switches that include the following models:

Model	Product Label
CBS220-8T-E-2G	10-Port Gigabit Smart Switch
CBS220-8P-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-8FP-E-2G	10-Port Gigabit PoE Smart Switch
CBS220-16T-2G	18-Port Gigabit Smart Switch
CBS220-16P-2G	18-Port Gigabit PoE Smart Switch

Model	Product Label
CBS220-24T-4X	24-Port Gigabit Smart Switch
CBS220-24P-4X	24-Port Gigabit PoE Smart Switch
CBS220-24FP-4X	24-Port Gigabit PoE Smart Switch
CBS220-48T-4X	48-Port Gigabit Smart Switch
CBS220-48P-4X	48-Port Gigabit PoE Smart Switch
CBS220-48FP-4X	48-Port Gigabit PoE Smart Switch
CBS220-24T-4G	24-Port Gigabit Smart Switch
CBS220-24P-4G	24-Port Gigabit PoE Smart Switch
CBS220-48T-4G	48-Port Gigabit Smart Switch
CBS220-48P-4G	48-Port Gigabit PoE Smart Switch

What's New in Release 2.0.2.12

1.1 Call Home Agent

Upgrade to version 2.6.1.20230829

Support configuring radius server and dot1x on switch via CBD 2.5.0 release and after.

1.2 New SNMP MIB

Support MIB table(dot1dBasePortTable) which contains generic information about every port that is associated with this bridge.

1.3 New Web GUI icons

Support Virtual Assistant and CBD icons on the top of web GUI and URL links on web page **Getting Started**.

1.4 New CA- bundle certificates

Update embedded CA-bundle certificates.

Resolved Issues

Table 5: Caveats Resolved in Release V2.0.2.12

Number	Description
CSCwh85900	GUI system summary page cannot display with Japanese language.
CSCwc88486	Modify VLAN 1 name from restful API cannot save.
CSCwf00785	High CPU utilization.
CSCwe89686	CPU 100% when disconnecting SSH client.

Number	Description
CSCwh85923	Failure to modify VLAN 1 name from Cisco Business Dashboard.
CSCwf04529	CLI and SNMP system uptime mismatched.

Release Notes for Cisco Business 220 Series Switches - Software Version 2.0.1.9

January 2022

This Release Note describes the recommended practices and known issues that apply to software version 2.0.1.9 for the Cisco Business 220 Series Switches.

What's New

1.1 Call Home Agent

Upgrade to Version 2.4.0.20211213.

Resolved Issues

Table 6: Caveats Resolved in Release V2.0_1_9

Number	Description
CSCvz77749	It would take 10 minutes to connect to CBD after correct mismatched CBD configuration on switch.
CSCvz77754	When modifying CBD org or network name on a switch, the connection to CBD manager would not disconnect.
CSCwa52390	Memory leaked when PNP was enabled.
CSCwa52387	POE was wrongly disabled due to false FAN state alarm.
CSCvz84226	STP Bridge ID and Root Bridge ID were swapped in the GUI.

Release Notes for Cisco Business 220 Series Switches - Software Version 2.0.1.5

September 2021

This Release Note describes the recommended practices and known issues that apply to software version 2.0.1.5 for the Cisco Business 220 Series Switches.

What's New

1.1 New PHY Chipset

The following models support the new PHY- RTL8218D chipset:

- CBS220-16T-2G
- CBS220-16P-2G
- CBS220-24T-4G
- CBS220-24P-4G
- CBS220-24FP-4G
- CBS220-48T-4G
- CBS220-48P-4G

1.2 Downgrade from Version 2.0.1.x to Version 2.0.0.x

As of firmware version 2.0.1.x, the switch supports the new PHY chipset. This new PHY driver is not supported in version 2.0.0.x, and therefore the firmware downgrade for the switch models with new PHY chipset will be prohibited.

1.3 Call Home Agent

The Call Home Agent has been upgraded to Version 2.3.1.20210917.

1.4 Active Image is Updated Automatically

Sincefirmware 2.0.1.x, once the device is upgraded with a new image, the new image will automatically be set as the active in the next boot up.

1.5 Default port mode changed

The old switch behavior (before firmware version 2.0.1.x): the default port mode is the trunk mode, and by default it only allows VLAN 1 on the trunk port.

The new switch behavior: the default port mode is changed to access mode; and by default it allows all VLANs on trunk port.

- Limitation - Downgrade from Version 2.0.1.x to Version 2.0.0.x
- As of version 2.0.1.x, the switch changes the default port mode from Trunk Port to Access Port. Configuration files containing default port mode cannot be maintained when downgrade to version 2.0.0.x and earlier.

Known Issues

Table 7: Caveats Acknowledged in Release V2.0.1.5

Number	Description
CSCvx77749	**Symptom** It takes 10 minutes to connect to CBD after correcting the mismatched CBD configuration on the switch. **Workaround** Issue CLI command "cbd reset" to reset the connection.
CSCvx77754	**Symptom** When modifying the CBD organization or network name on the switch, the connection to CBD manager is not disconnected. **Workaround** Issue CLI command "CBD reset" to reset the connection.

Resolved Issues

Table 8: Caveats Resolved in Release V2.1.0.5

Number	Description
CSCvx09227	Some phones may not receive proper VLAN assignment.
CSCvz39569	CBD Probe cannot reconnect to CBD manager after 30 days since the setup.
CSCvw24834	Management Access Method Profile Rule mask format issues.

Release Notes for Cisco Business 220 Series Switches - Software Version 2.0.0.17

April 2021

This Release Note describes the recommended practices and known issues that apply to software version 2.0.0.17 for the Cisco Business 220 Series Switches.

Resolved Issues

Table 9: Caveats Resolved in Release V2.0.0.17

Number	Description
CSCvx44876	**Symptom** Light memory leak when running PnP for a long time.

Number	Description
CSCvx44877	**Symptom** STP Loopback Guard functionality is missing on WEB GUI.
CSCvx44878	**Symptom** ACL fails to block DHCP packets if DHCP snooping is enabled.
CSCvx99239	**Symptom** Memory leak on CBD subscription actions.
CSCvx99245	**Symptom** PnP configuration template function is not working correctly.
CSCvx99248	**Symptom** Import configuration with user account which contain quote will add extra quotes.

Release Notes for Cisco Business 220 Series Switches - Software Version 2.0.0.13

February 2021

This Release Note describes the recommended practices and known issues that apply to software version 2.0.0.13 for the Cisco Business 220 Series Switches.

What's New

1.1 Browser and OS Support

The device web UI supports the following browsers and OS system:

- Supported OS – MS Windows 7 (32 & 64 bit), MS Windows 10 (32 & 64 bit), MAC OS (not supported: MS Windows 8, 8.1, XP and Vista; Linux).
- Supported Browsers – Chrome, Firefox and Microsoft Edge (Microsoft Internet Explorer not supported) – both for Windows and for MAC OS; Safari – MAC OS only.

1.2 Web GUI Style

Cisco Business Switches support a new modern web UI style which provides better user experience compared to the web UI implemented on the Sx220 switches.

1.3 Password Complexity

For enhanced security, the user does not have the option to disable the password complexity setting. The password complexity is supported with the following default and ranges:

- Minimum length – range 8-64, default = 8

- Minimum class – range 1-4, default = 3
- Number of repeat characters– range 1-16, default = 3
- New passwords cannot match the current password.
- Passwords cannot reverse or repeat the username nor Cisco.

1.4 SSL Cipher Support

For enhanced security, support following Ciphers:

- TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384 (secp256r1)
- TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (secp256r1)
- TLS_DHE_RSA_WITH_AES_256_GCM_SHA384 (dh 1024)
- TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 (dh 1024)
- TLS_RSA_WITH_AES_256_GCM_SHA384 (rsa 2048)
- TLS_ECDHE_RSA_WITH_CHACHA20_POLY1305_SHA256 (secp256r1)
- TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 (dh 1024)
- TLS_DHE_RSA_WITH_AES_128_CBC_SHA (dh 1024)
- TLS_RSA_WITH_AES_128_GCM_SHA256 (rsa 2048)
- TLS_AES_256_GCM_SHA384
- TLS_CHACHA20_POLY1305_SHA256
- TLS_AES_128_GCM_SHA256

1.5 SSL Cipher Support

OpenSSL version 1.1.0l.

1.6 Password Encryption

In the current release, the user's credentials are salted and hashed using PBKDF2 based on HMAC-SHA-256 hash. This adds additional security to the credentials and protects them from various attacks.

Relevant credentials:

- Local database Password
- Enable password

1.7 Self-Signed Certificate Lifetime

- Default: 3652 days (i.e., 10 years)

1.8 PNP Client

The Cisco Plug-n-Play (PnP) solution reduces the costs associated with deployment/installation of network devices, increase the speed of their installation and reduce the complexity of deployments without compromising the security. User can perform Zero Touch Installs of the CBS220 in various deployment scenarios and deployment locations.

1.9 CBD Call Home Agent

With Cisco Business Dashboard (CBD) Call home agent, CBS 220 can be monitored and managed by CBD manager.

1.10 Tech Support

Through WEB GUI or CLI user can generate the diagnostic information from switch for troubleshooting.

1.11 Locate device

Through WEB GUI user can blink all ports' LEDs in front panel to locate device.

Known Issues

Table 10: Caveats Acknowledged in Release V2.0.0.13

Number	Description
CSCvx44873	**Symptom** Packet loss occurs in RFC 2889 Back Pressure test when sending jumbo frame. Issue happens when packet size is greater than 6144 bytes in 100Mbps speed or 5120 bytes in 1Gbps speed. **Workaround** None.
CSCvx44875	**Symptom** RSPAN destination port always receives double broadcast/multicast packets if source port send broadcast/multicast packets. **Workaround** None.
CSCvx44876	**Symptom** Light memory leak when running PnP for a long time. **Workaround** Disable PnP agent.

Number	Description
CSCvx44877	**Symptom** STP Loopback Guard functionality is missing on WEB GUI. **Workaround** Configure it via CLI.
CSCvx44878	**Symptom** ACL fails to block DHCP packets if DHCP snooping is enabled. **Workaround** None.
CSCvx44879	**Symptom** PNP agent cannot connect manager via ipv6 link-local address. **Workaround** Use IPv4 unicast or IPv6 global unicast address.

Cisco Business Online Support

For current support information, visit the pages given below:

Cisco Business	
Cisco Business Home	http://www.cisco.com/go/ciscobusiness
Support	
Cisco Business Support Community	http://www.cisco.com/go/cbcommunity
Cisco Business Support and Resources	http://www.cisco.com/go/smallbizhelp
Cisco Business Phone Support	http://www.cisco.com/go/cbphone
Cisco Business Chat Support	http://www.cisco.com/go/cbchat
Cisco Business Firmware Downloads	http://www.cisco.com/go/smallbizfirmware Select a link to download the firmware for your Cisco product. No login is required.
Cisco Business Open Source Requests	If you wish to receive a copy of the source code to which you are entitled under the applicable free/open source license(s) (such as the GNU Lesser/General Public License), please send your request to: external-opensource-requests@cisco.com. In your request, please include the Cisco product name, version, and the 18 digit reference number (for example: 7XEEX17D99-3X49X08 1) found in the product open source documentation.

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