

Release Notes for Cisco Configuration Professional Express 3.4

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This Release Notes document supports Cisco Configuration Professional Express Release 3.4. This document should be used with the documents listed in the "Related Documentation" section on page 18.

This Release Notes is updated as required. To ensure that you have the latest version of the Release Notes, go to http://www.cisco.com/en/US/products/ps9422/tsd_products_support_series_home.html. In the Support area, choose **Software Downloads, Release and General Information > Release Notes**, and locate the release notes pertaining to your release.

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Introduction

Cisco Configuration Professional Express is an embedded, device-management tool that enables bootstrap configuration and provisioning of an Cisco Integrated Services Router (ISR).

CCP Express provides you two options to bring up a brand new router. You can use the Quick Setup Wizard to perform the basic configuration tasks and Advanced Setup option for detailed configuration options. For a brand new router Quick setup wizard is the preferred option.

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Supported Routers

Table 1lists the routers that Cisco Configuration Professional Express supports.

Router Series	Supported Routers
Cisco 800M Series	C841M-4X/K9R-K9
	C841M-4X/K9R-NPEK9
	C841M-8X/K9R-K9
	C841M-8X/K9R-NPEK9
	C841M-8X-JAIS/K9
	C841M-4X-JAIS/K9
	C841M-4X-JSEC/K9
Cisco 812 Series	C812G+7-K9
	C812G-CIFI+7-E-K9
	C812G-CIFI+7-N-K9
	C812G-CIFI-V-A-K9
	C812G-CIFI-S-A-K9
Cisco 815 Series	CISCO815
	CISCO815-VPN-K9

Router Series	Supported Routers
Cisco 819 Series	C819HGW+7-E-K9
	C819HGW+7-N-K9
	C819HGW+7-A-A-K9
	C819HGW-V-A-K9
	C819HGW-S-A-K9
	C819H-K9
	C819HG-U-K9
	C819HWD-E-K9
	C819HWD-A-K9
	C819HG-4G-V-K9
	C819HG-4G-A-K9
	C819HG-4G-G-K9
	C819G-4G-V-K9
	C819G-4G-A-K9
	C819G-4G-G-K9
Cisco IR 829 Series	R829GW-LTE-LA-NK9
	IR829GW-LTE-GA-SK9
	IR829GW-LTE-GA-CK9
	IR829GW-LTE-GA-ZK9
	IR829GW-LTE-GA-EK9
	IR829GW-LTE-NA-AK9
	IR829GW-LTE-VZ-AK9
Cisco IR 809 Series	IR809G-LTE-VZ-K9
	IR809G-LTE-NA-K9
	IR809G-LTE-GA-K9
	IR809G-LTE-LA-K9
Cisco 851 Series	CISCO851-K9
	CISCO851W-G-A-K9
	CISCO851W-G-E-K9
	CISCO851W-G-J-K9
Cisco 857 Series	CISCO857-K9
	CISCO857W-G-A-K9
	CISCO857W-G-E-K9

Table 1Supported Routers (continued)

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Router Series	Supported Routers
Cisco 861 Series	CISCO861-K9
	CISCO861W-GN-A-K9
	CISCO861W-GN-E-K9
	CISCO861W-GN-P-K9
Cisco 866 Series	CISCO866VAE-W-E-K9
Cisco 867 Series	CISCO867VAE-K9
	CISCO867-K9
	CISCO867VA-K9
	CISCO867W-GN-A-K9
	CISCO867W-GN-E-K9
	CISCO867VAE-W-A-K9
	CISCO867VAE-W-E-K9
	CISCO867VAE-POE-W-A-K9
Cisco 871 Series	CISCO871-K9
	CISCO871W-G-A-K9
	CISCO871W-G-E-K9
	CISCO871W-G-J-K9
Cisco 876 Series	CISCO876-K9
	CISCO876W-G-E-K9
Cisco 877 Series	CISCO877-K9
	CISCO877-M-K9
	CISCO877W-G-A-K9
	CISCO877W-G-E-K9
	CISCO877W-G-E-M-K9
Cisco 878 Series	CISCO878-K9
	CISCO878W-G-A-K9
	CISCO878W-G-E-K9

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Table 1 Supported Routers (continued)

Router Series	Supported Routers
Cisco 881 Series	CISCO881-K9
	CISCO881-PCI-K9
	CISCO881-SEC-K9
	C881W-A-K9
	C881W-P-K9
	С881-V-К9
	C881GW+7-A-K9
	C881GW+7-E-K9
	C881GW-S-A-K9
	C881GW-V-A-K9
	C881WD-A-K9
	C881WD-E-K9
	CISCO881W-GN-A-K9
	CISCO881W-GN-E-K9
	CISCO881W-GN-P-K9
	CISCO881W-A-K9
	CISCO881W-E-K9
	CISCO881G-K9
	CISCO881GW-GN-A-K9
	CISCO881GW-GN-E-K9
	CISCO881G-S-K9
	CISCO881G-V-K9
	CISCO881G-A-K9
	C881G-U-K9
	C881G-S-K9
	C881G-V-K9
	C881G-B-K9
	C881G+7-K9
	C881G+7-A-K9
	C881SRST-K9
	C881SRSTW-GN-A-K9
	C881SRSTW-GN-E-K9
	C881-K9

Table 1Supported Routers (continued)

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Router Series	Supported Routers
Cisco 886 Series	CISCO886-K9
	CISCO886G-K9
	CISCO886VA-K9
	C886VA-W-E-K9
	C886VAG+7-K9
	CISCO886GW-GN-E-K9
Cisco 887 Series	C887VA-V-K9
	C887VA-W-A-K9
	C887VAG-S-K9
	C887VAGW+7-A-K9
	C887VAGW+7-E-K9
	C887VA-WD-A-K9
	C887VA-WD-E-K9
	CISCO887-K9
	CISCO887VA-K9
	CISCO887VA-M-K9
	C887VA-W-A-K9
	C887VA-W-E-K9
	C887VAM-W-E-K9
	C887VAG-S-K9
	C887VAG+7-K9
	C887VAMG+7-K9
	CISCO887W-GN-A-K9
	CISCO887W-GN-E-K9
	CISCO887M-K9
	CISCO887MW-GN-E-K9
	CISCO887G-K9
	CISCO887GW-GN-A-K9
	CISCO887GW-GN-E-K9
	CISCO887V-K9
	CISCO887VW-GNA-K9
	CISCO887VW-GNE-K9
	CISCO887VG-K9
	CISCO887VGW-GNA-K9
	CISCO887VGW-GNE-K9

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 Table 1
 Supported Routers (continued)

Router Series	Supported Routers
Cisco 888 Series	CISCO888-K9
	CISCO888-SEC-K9
	CISCO888W-GN-E-K9
	CISCO888E-K9
	CISCO888EW-GNE-K9
	C888EA-K9
	C888SRST-K9
	C888ESRST-K9
	C888ESRSTW-GNA-K9
	C888ESRSTW-GNE-K9
	CISCO888-K9
	CISCO888W-GN-A-K9
	CISCO888W-GN-E-K9
	CISCO888E-K9
	CISCO888EW-GN-A-K9
	CISCO888EW-GN-E-K9
	CISCO888G-K9
	CISCO888GW-G-NA-K9
	CISCO888GW-G-NE-K9
	C888EG+7-K9
	C888SRST-K9
	C888SRSTW-GN-A-K9
	C888SRSTW-GN-E-K9
Cisco 891 Series	CISCO891W-AGN-A-K9
	CISCO891W-AGN-C-K9
	CISCO891W-AGN-N-K9
	CISCO891-K9
	C891F-K9
	C891FJ-K9
	CISCO891-24X/K9
	C891-24X/K9

Table 1Supported Routers (continued)

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Router Series	Supported Routers
Cisco 892 Series	CISCO892J-K9
	CISCO892FW-A-K9
	CISCO892W-AGN-P-K9
	C892FSP-K9
	CISCO892-K9
	CISCO892F-K9
	CISCO892W-AGN-E-K9
Cisco 896	C896VA-K9
Cisco 897	C897VA-K9
	C897VAW-A-K9
	C897VAW-E-K9
	C897VA-M-K9
	C897VAM-W-E-K9
Cisco 898	C898EA-K9
Cisco 1801	CISCO1801
	CISCO1801/K9
	CISCO1801-M
	CISCO1801-M/K9
	CISCO1801W-AG-B/K9
	CISCO1801W-AG-C/K9
	CISCO1801W-AG-N/K9
	CISCO1801WM-AGB/K9
Cisco 1802	CISCO1802
	CISCO1802/K9
Cisco 1803	CISCO1803/K9
	CISCO1803W-AG-B/K9
	CISCO1803W-AG-E/K9
Cisco 1805	CISCO1805-D
	CISCO1805-D/K9
	CISCO1805-EJ
Cisco 1811	CISCO1811/K9
	CISCO1811W-AG-B/K9
	CISCO1811W-AG-C/K9
	CISCO1811W-AG-N/K9

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Table 1 Supported Routers (continued)

Router Series	Supported Routers
Cisco 1812	CISCO1812/K9
	CISCO1812-J/K9
	CISCO1812 W-AG-C/K9
	CISCO1812W-AG-P/K9
Cisco 1841	CISCO1841
Cisco 1861	CISCO1861-SRST-B/K9
	CISCO1861-SRST-C-B/K9
	CISCO1861-SRST-C-F/K9
	CISCO1861-SRST-F/K9
	CISCO1861-UC-2BRI-K9
	CISCO1861-UC-4FXO-K9
	CISCO1861E-SRST-B/K9
	CISCO1861E-SRST-C-B/K9
	CISCO1861E-SRST-C-F/K9
	CISCO1861E-SRST-F/K9
	CISCO1861E-UC-2BRI-K9
	CISCO1861E-UC-4FXO-K9
	CISCO1861W-SRST-C-B/K9
	CISCO1861W-SRST-C-F/K9
	CISCO1861W-SRST-B/K9
	CISCO1861W-SRST-F/K9
	CISCO1861W-UC-2BRI-K9
	CISCO1861W-UC-4FXO-K9
Cisco 1902	CISCO1902/K9
Cisco 1905	Cisco1905/K9
Cisco 1921	Cisco1921/K9
	Cisco 1921DC/K9
Cisco 1941	Cisco 1941/K9
	Cisco1941W-A/K9
	Cisco1941W-E/K9
	Cisco1941W-P/K9
	Cisco1941W-N/K9
	Cisco1941W-C/K9

Table 1 Supported Routers (continued)

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Router Series	Supported Routers
Cisco 2800 Series	CISCO2801
	CISCO2811
	CISCO2821
	CISCO2851
Cisco 2900 Series	CISCO2901/K9
	CISCO2911/K9
	CISCO2921/K9
	CISCO2951/K9
Cisco 3800 Series	CISCO3825
	CISCO3825-NOVPN
	CISCO3845
	CISCO3845-NOVPN
Cisco 3900 Series	CISCO3925/K9
	CISCO3925E/K9
	CISCO3945/K9
	CISCO3945E/K9

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Table 1 Supported Routers (continued)

Supported HWICs

Table 2 lists the HWICs that Cisco Configuration Professional Express supports.

Table 2	Supported HWICs
HWICs	
EHWIC-VA-DS	SL-A
HWIC-4SHDSI	_
EHWIC-VA-DS	SL-M
HWIC-2SHDSI	_
HWIC-3G-GSM	1
HWIC-3G-CDN	/IA-V
HWIC-3G-CDM	/IA- Global
HWIC-3G-CDN	/IA-S
EHWIC-3G-EV	DO-V
EHWIC-3G-EV	DO-B
EHWIC-3G-HS	PA+7
EHWIC-4G-LT	E-V

Supported Browsers

Cisco Configuration Professional Express is supported on the following browsers:

- Google Chrome 30 or later
- Microsoft Internet Explorer 11 and above
- Mozilla Firefox 25 or later
- Safari 9.1

Cisco IOS Releases

Cisco Configuration Professional Express requires Cisco IOS Release 15.2.4M2 or later, or Release 15.3.1T or later for all SKUs. To get all security features support use the release 15.5(1)T. For CCP Express 3.4, it is highly recommended to use release 15.5(1)T. For IR routers, 15.6(3) M2 or higher is recommended.

Determining the Cisco IOS Release

To determine the Cisco IOS software release currently running on your Cisco router, log in to the router and enter the **show version** EXEC command. The following sample output from the **show version** command indicates the Cisco IOS release in the second line.

```
Router> show version
c3845-1# show version
Cisco IOS Software, 3800 Software (C3845-ADVENTERPRISEK9-M), Version 12.4(11)XW2, RELEASE
SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Tue 03-Jul-07 00:49 by prod_rel_team
```

Installation Files

The Cisco Configuration Professional Express 3.4 installation files are left untarred on the router flash.

What is New in Release 3.4

Release 3.4 introduces the following new features and bug fixes:

- Support for IR 829 and IR 809 routers
- Native IOX and Wifi manager links for IR devices from Advanced Options
- IOX and Wifi configurations in Setup Wizard for IR 829 and IR 809 devices
- Revised Basic Settings screen to have the different sections under different tabs
- Revised the More Options menu items
- Moved Cisco Active Advisor integration to More Options
- Improvements in UI navigation speed
- Support for Safari Browser version 9.1
- IOS upgrade via bundle installation for IR routers
- DHCP/DNS top menu option restored.
- Quick Setup wizard icon moved from Landing page to More Options and will be displayed only if device has factory fresh configuration.

What is Not Supported in Release 3.4

Release 3.4 does not support the following features:

- Microsoft Edge browser support
- IE 10 browser support
- Factory Reset option is not supported on IR devices.
- Hardware Health tab in Dashboard Router is not displayed in IR devices.

Known Issues and Workarounds

This following is the list of known issues in Cisco Configuration Professional Express Release 3.4:

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• CSCtz82923

Symptom: In the Interface screen (in both the Admin view and the EndUser view), the Edit VLAN and Edit Interface dialog boxes do not reflect the correct values for the attributes displayed on the Summary screen.

Condition: This issue occurs when the Interfaces feature is in use, and an interface or a VLAN is being edited.

Workaround: Upgrade your Cisco IOS Software Release to 15.2(4)M or later.

• CSCud76752

Symptom: The Cisco Configuration Professional Express interfaces screen displays a blank page.

Condition: This issue occurs when the Cisco IOS Release that is being used is earlier than Release 15.2, and router has cellular interfaces.

Workaround: Upgrade to Cisco IOS Release 15.2.4M2 or later, or Release 15.3.1T or later for all SKUs.

CSCup66372

Symptom: While creating a user very first time in a new router the password is not encrypted...

Condition: The user will be prompted to create a new user while logging in to the router for the first time with default username and password. The newly created user is not encrypted. The password will be visible when anyone tries to check the running configuration.

Workaround: Login to router and execute a CLI "service password-encryption" in config mode. Otherwise navigate to "Configure CLI" menu and execute the same CLI in config mode.

• CSCus23237

Symptom: NAT translations do not happen if stale NAT translation CLIs present in the configuration.

Condition: This problem is seen when interface enabled for NAT feature is deleted using CCP Express 3.0 [on supported Cisco Routers]

This problem occurs with the following conditions:

- 1. Enabling NAT during Interface configuration and deleting it
- 2. Configuring an interface as Primary WAN interface and deleting it
- 3. Configuring an interface as Secondary WAN interface and deleting it

In above conditions following CLIs are sent to router from CCPExpress software and stays in configuration as stale entries when deleted

! //**** Below CLI sent as part of interface configuration enabled for NAT**** //

ip nat inside source list <Nat-list_name> interface <Interface_name> overload

!//**** Below CLI sent as part of Primary/Secondary WAN interface configuration**** //

ip nat inside source route-map <route_map_name> interface <Interface_name> overload

Workaround:

1. If the interface part of NAT overload configuration is deleted then create that interface (see example below)

- 2. Delete the stale NAT overload CLI
- 3. Delete the created interface
- 4. Execute "clear nat translations forced"

Example

Below entry may exist on the device causing NAT translations to not work properly.

```
:
ip nat inside source list nat-list interface Dialer4 overload
!
Config t
(config)#int dialer4
(config)#int dialer4
(config)# no ip nat inside source list nat-list interface Dialer4 overload
(config)#exit
#.
```

CSCuq63961

Symptom: Unable to access the Internet. Traffic is not going through the configured WAN interface.

Condition: When the WAN interface gets its IP and default gateway from DHCP server, CCP Express should not push "ip route 0.0.0.0 0.0.0.0 'primary WAN interface'" configuration to the router. With this configuration the traffic is not flowing through the device, when already the default route (GW IP received from DHCP server) is installed on the router.

Workaround: Remove the CLI manually in the router like "no ip route 0.0.0.0 0.0.0.0 'primary WAN interface'" or using CCP Express "anyCli" feature to execute the CLI

• CSCuq64556

Symptom: The protocol 914c/g protocol is not listed under net-admin application list in the Policy screen.

Condition: This particular protocol not be configured using CCP Express.

Workaround:

There is no workaround. If we configure "match protocol 914c/g" under any of the class-maps using CLI on the router, then UI will throw "parsing error" while accessing some features eg. CWS

• Cvc63172

Symptom: Uploads in CCP Express are getting aborted automatically under certain conditions in Microsoft Internet Explorer due to browser timeout issues.

Condition: When Microsoft Internet Explorer is used, we have noticed that certain devices shoot up in the CPU utilization to 100%. This causes subsequent processing to halt. The options are to try again or use Google Chrome, Mozilla Firefox, or Microsoft Edge browsers.

Workaround:

There is no workaround for this in Microsoft Internet Explorer.

CSCvc78268

Symptom: Integration with Cisco Active Advisor works at authentication level, but you cannot upload data from device in Microsoft Internet Explorer.

Condition: When Microsoft Internet Explorer is used, the authentication to CAA works, but the data upload does not work. We need to use Google Chrome, Mozilla Firefox, or Microsoft Edge.

Workaround: There is no workaround for this in Microsoft Internet Explorer.

• CSCvc66233

Symptom: IOS upload not listing the IOS image on the IR boxes.

Condition: The command show file info should yield "type is image" for any IOS image file. In IR routers, this is shown as "ebcdic text". Hence the files are not listed.

Workaround: A code workaround to check for ebcdic text if the box type is IR is put in to list the IOS images. This is entirely not correct as vlan.dat (and also other files which are not known at this point) can also be listed as ebcdic text. So code has excluded vlan.dat from the checks and only checks for type as ebcdic text to list the IOS images. In addition, since IR devices use IOS installation bundles, the file is checked for presence of "bundle" in its name. The user will have to manually identify and select the correct IOS image bundle.

• CSCvc67305

Symptom: Dashboard router option is not showing Hardware Health in IR routers..

Condition: Hardware Health option in Dashboard is not listed. The output of the command "show environment all" given by IOS in IR routers is very much different when compared to the standard output given in ISR routers for IOS (based on which the initial design was done).

Workaround: There is no workaround here. By design, if the values cannot be fetched, the dashlet will not be displayed.

• CSCvc69108

Symptom: Login to UI is not possible for user with privilege level other than 15.

Condition: HTTP server in IOS permits only privilege level 15 user credentials to be used for application login.

Workaround: There is no workaround. User should be created with privilege level.

• CSCvc78268

Symptom: Integration with Cisco Active Advisor works at authentication level, but you cannot upload data from device in Microsoft Internet Explorer.

Condition: When Microsoft Internet Explorer is used, the authentication to CAA works, but the data upload does not work. We need to use Google Chrome, Mozilla Firefox, or Microsoft Edge.

Workaround: There is no workaround for this in Microsoft Internet Explorer.

CSCvd89365

Symptom: Upgrade from an older version causes top menu items to launch different pages.

Condition: When user upgrades to version 3.4 from older versions, the page reloads after the upgrade and clicking the top menu items may launch different pages.

Workaround: Clear the browser cache and launch CCP Express again. This is because top menu was rearranged and after the installation, the old file is present on the browser and does not fetch the new file.

• CSCvd89987

Symptom: Safari browser does not do copy to clipboard, download of config and also allow user to enter data in certain fields.

Condition: Safari browser does not support every element currently used. Blob and Datalist are not supported.

Workaround: Datalist is used in few pages where the drop down has values and also allows user to enter any value. This option of entering values will not be available when using Safari. Also Copy to Clipboard and Download of config is not displayed in Safari. In case this support is required, user should use any other supported browser.

• CSCve54553

Symptom: On the IR829 Dual-LTE, controller profile configuration results in unnecessary warning for modem-reset.

Condition: When pushing the controller configuration from Quick Setup Wizard, the device issues warnings even when the pushed configuration is the existing default.

Workaround: The fix for this is addressed in CCP Express defect CSCve52052 (Ambiguous instruction to reset modem leads to incomplete workflow). For every profile push, a modem reset is issued from CCP Express in the case of dual LTE. With this fix in the code, the issue of ambiguous instructions displayed to the user leading to configuration breakage is addressed

• CSCve61217

Symptom: IOX Device Manager does not launch on theIR809.

Condition: This is caused by a platform bug in IOS 15.6.3M1 release. When IOS is upgraded from 15.6.3M1 to latest 15.6.3M2 the Guest OS product_id is not getting updated with a valid ID and the 'caf' process stops running.

Workaround: To overcome this issue, follow these steps from the Guest OS console.

IR800-GOS-1:~# cp /etc/platform/product_id /software/caf/work/product_id

IR800-GOS-1:~# monit restart caf

Check CAF status by executing 'monit summary'. You should be see caf in a Running state.

After following the above steps, the device will be able to launch the IOX manager UI manually as well as from CCP_Express.

CSCve48207

Symptom: Default configuration can cause a device lockout.

Condition: The default configuration contains a one-time user, which is removed if logged in via telnet.

Workaround: The default configuration leaves the console without any login credentials. In case of a lockout, the user can always use the console to gain access back to the device. To counter the connectivity issue, the new user is written to the device before the existing one-time user is cleared.

• CSCve00127

Symptom: Quick Setup Wizards provides an option for WiFi AP Config on the IR829 device, but doesn't actually configure the AP.

Condition: This happens when the BVI Interface is not configured.

Workaround: The user has to ensure that BVI IP address is configured before using Wizard WiFi configuration.

• CSCve87173

Symptom: WiFi configuration not getting pushed on LAN network change.

Condition: When a user changes the LAN network while using the Quick Setup Wizard, the WiFi configuration gets pushed to the AP. This is followed by a write memory which will save the configuration on the AP. Following this the BVI interface address is updated. But since the network change happened, the AP would not be reachable from 10.10.10.0 network. This means that the change to the BVI Interface IP address is pushed, but is not written to memory. And in case of a reboot or power failure after the day 0 configuration using Quick Setup Wizard, this IP Address change can be lost.

Workaround: In case of a LAN network change, user should login to the router using the new IP address, session in to AP and then issue a write memory. This will ensure that the changes to BVI interface is saved to memory in the AP

CSCve77908

Symptom: IR809 cellular interface configuration not working as expected.

Condition: Cellular interface profile changes are returning an error on an IR809 running on 15.6(3)M2 IOS.

Additionally, the modem related information is returned as blank values.

Workaround: This platform issue for IR809 is addressed in IOS release15.7. The user should upgrade to this latest version, subject to its availability.

• CSCve93346

Symptom: Performance issue on the IR800 series.

Condition: The IR800 could display slow performance if the Guest OS is consuming too many CPU resources.

Workaround: Refer to the software configuration guide in the IR800 documentation for examples of performance tuning. This should only be done under the recommendation of Cisco or an authorized partner. 4G performance may be impacted if changed without proper guidelines.

• CSCve93356

Symptom: Application shows issues when using the Edge Browser. Many elements are not rendered correctly and the user is unable to proceed with actions.

Condition: Some features of the application are not working when using the Edge Browser as compared to other browsers.

Workaround: Use any of the following browsers: Chrome, Firefox, Safari (Mac only) and Internet Explorer 11 (Windows only).

CSCve93367

Symptom: On the IR809, when security is configured, IOX access via LAN may not work if the right configuration is not present.

Condition: When security is configured, zones come into effect. So if IOX configuration is done, both the IOX interface as well as the interface acting as the LAN interface should be present in the LAN zone for IOX LAN access to work.

Workaround: The application cannot check if the interface acting as the LAN interface is present in the LAN zone. The user should navigate to the Zones screen under the Security tab, and add the respective interface under Zone LAN. Once this is done, IOX access via LAN should help the user access the Device Manager.

Related Documentation

Additional documentation available for the Cisco Configuration Professional Express are:

- Cisco Configuration Professional Express Feature Guide
- Cisco Configuration Professional Express Quickstart Guide
- Cisco Configuration Professional Express Administration Guide

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