

Release Notes for Cisco Catalyst 8200 Series Edge Edge Platforms, Cisco IOS XE Bengaluru 17.5.x

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About Cisco Catalyst 8200 Series Edge Platforms

The Cisco Catalyst 8200 Series Edge Platforms are best-of-breed, 5G-ready, cloud edge platforms designed for accelerated services, multi-layer security, cloud-native agility, and edge intelligence to accelerate your journey to cloud.

Cisco Catalyst 8200 Series Edge Platforms with Cisco IOS XE SD-WAN Software deliver Cisco's secure, cloud-scale SD-WAN solution for the branch. The Cisco Catalyst 8200 Series Edge Platforms is built for high performance and integrated SD-WAN Services along with flexibility to deliver security and networking services together from the cloud or on premises. It provides higher WAN port density and a redundant power supply capability. The Cisco Catalyst 8200 Series Edge Platforms have a wide variety of interface options to choose from—ranging from lower and higher module density with backward compatibility to a variety of existing WAN, LAN, voice, and compute modules. Powered by Cisco IOS XE, fully programmable software architecture, and API support, these platforms can facilitate automation at scale to achieve zero-touch IT capability while migrating workloads to the cloud. The Cisco Catalyst 8200 Series Edge Platforms also come with Trustworthy Solutions 2.0 infrastructure that secures the platforms against threats and vulnerabilities with integrity verification and remediation of threats.

The Cisco Catalyst 8200 Series Edge Platforms are well suited for medium-sized and large enterprise branch offices for high WAN IPSec performance with integrated SD-WAN services.

Cisco Catalyst 8200 Series Edge Platforms are available in these models:

- C8200-1N-4T
- C8200L-1N-4T

For more information on the features and specifications of Cisco Catalyst 8200 Series Edge Platforms, refer to the Cisco Catalyst 8200 Series Edge platforms datasheet.



Note

- Sections in this documentation apply to all models of Cisco Catalyst 8200 Series Edge Platforms unless a reference to a specific model is made explicitly.
 - Cisco IOS XE Bengaluru 17.5.1a is the first release for Cisco Catalyst 8200 Series Edge Platforms.
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Note Starting with Cisco IOS XE Bengaluru 17.4.1, with the introduction of Smart Licensing Using Policy, even if you configure a hostname for a product instance or device, only the Unique Device Identifier (UDI) is displayed. This change in the display can be observed in all licensing utilities and user interfaces where the hostname was displayed in earlier releases. It does not affect any licensing functionality. There is no workaround for this limitation.

The licensing utilities and user interfaces that are affected by this limitation include only the following:

- Cisco Smart Software Manager (CSSM),
 - Cisco Smart License Utility (CSLU), and
 - Smart Software Manager On-Prem (SSM On-Prem).
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Hardware and Software Features-New and Enhanced

New and Changed Hardware Features

New Hardware Features

Cisco Catalyst 8200L Series Edge Platform is introduced in this release.



Note N=Network Interface Module, S=Services Module, and T=Gigabit Ethernet, X=Ten Gigabit

For information on the hardware features supported on the Cisco Catalyst 8200 Series Edge Platforms, refer to the Cisco Catalyst 8200 Series Edge Platforms [datasheet](#).

New and Changed Software Features

This section enlists the new and enhanced or modified features that are supported on the Cisco Catalyst 8200 Series Edge Platforms:

Feature Navigator

You can use Cisco Feature Navigator (CFN) to find information about the software features, platform, and software image support on Cisco Catalyst 8200 Series Edge Platforms. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>.



Note To access CFN, you do not require an account on cisco.com.

Software Features

Table 1: New Software Features in Release Cisco IOS XE Bengaluru 17.5.1

Feature	Description
Dynamic Allocation of Cores	<p>Cisco devices allow limited flexibility on how services run on the service plane cores. Dynamic core allocation allows in-service upgrade of services, which eliminates the inactivity of compute resources. Starting from Cisco IOS XE 17.5, the system does not require a reboot for the changes to take effect.</p> <p>Note The Dynamic Allocation of Cores feature is supported only on Cisco 8200 Catalyst Edge Series Platform.</p>
License Management for Smart Licensing Using Policy, Using Cisco vManage	<p>Cisco SD-WAN operates together with Cisco SSM to provide license management through Cisco vManage for devices operating with Cisco SD-WAN. For this you have to implement a topology where Cisco vManage is connected to CSSM. For information about this topology, see the Connected to CSSM Through a Controller, and to know how to implement it, see the</p> <p>Workflow for Topology: Connected to CSSM Through a Controller sections of the <i>Smart Licensing Using Policy for Cisco Enterprise Routing Platforms</i> guide.</p> <p>For more information about Cisco vManage, see the License Management for Smart Licensing Using Policy section of the <i>Cisco SD-WAN Getting Start Guide</i>.</p> <p>For a more detailed overview on Cisco Licensing, go to cisco.com/go/licensingguide.</p>
CUBE: Support for Cisco 8200L Catalyst Edge Platform	From Cisco IOS XE Bengaluru 17.5.1, CUBE is supported on the Cisco 8200L Catalyst Edge Series Platform (C8200L-1N-4T).
Unified SRST: Support for Cisco C8200L Catalyst Edge Platform	From Cisco IOS XE Bengaluru 17.5.1 Unified SRST is supported on the Cisco 8200L Catalyst Edge Series Platform (C8200L-1N-4T).

Cisco Catalyst 8200 Series Edge Platforms ROMMON Compatibility Matrix

The following table lists the ROMMON releases supported in Cisco IOS XE 17.5.x releases.

Table 2: Minimum and Recommended ROMMON Releases Supported on C8200-1NT and C8200L-1N-4T

Platforms	Cisco IOS XE Release	Minimum ROMMON Release Supported for IOS XE	Recommended ROMMON Release Supported for IOS XE
C8200-1N-4T	17.4.1	17.4(1r)	17.4(1r)
C8200L-1N-4T	17.5.1	17.5(1r)	17.5(1r)

Resolved Caveats in Cisco IOS XE Bengaluru 17.5.1

Caveat ID Number	Description
CSCvw43836	Device crashed during the tunnel interface flap with jumbo frame.
CSCvw63896	Running "clear sdwan omp all.." in a scale topology might lead to cpp crash.
CSCvu92655	PIM-WP7601, RSSI MIB trap cannot be set to any LTE options.
CSCvv44099	FPGE Flow Control can not be disable.
CSCvw96690	show eeprom detail showing error.

Open Caveats in Cisco IOS XE Bengaluru 17.5.1

Caveat ID Number	Description
CSCvw54443	Rommon should not let confreg CLI to set console line speed to 1200 or 2400bps.
CSCvw51721	Traceback is seen when running regression script 4k_agg_gec.

Related Documentation

- [Hardware Installation Guide for Catalyst 8200 Series Edge Platforms](#)
- [Smart Licensing Using Policy for Cisco Enterprise Routing Platforms](#)
- [Cisco Catalyst 8300 and 8200 Series Edge Platforms Software Configuration Guide](#)