Release Note for the Cisco Catalyst IE 3200 and 3300 Rugged Series Industrial Ethernet Switch, and ESS 3300 Series Switches, Cisco IOS XE 16.10.1

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Introduction

Cisco IOS XE release 16.10 provides enhanced support for Cisco Internet of Things (IoT) Switches.

For more information, see the **Cisco IE 3200, 3300, and ESS 3300 Series Switches, Cisco IOS XE Gibralter 16.10.1 Software Configuration Guide** .

New and Changed Information

Cisco Catalyst IE 3200 and 3300 Rugged Series Switches

The Cisco Catalyst IE 3x00 Series Switch is our next generation modular din rail Switching platform.

New Software Features in IOS XE Release 16.10

All features from Release 16.9.1 are now supported on the Cisco IE 3x00 series switch

Release 16.10 introduces the following new software features for IoT Devices:

- Inter Vlan Routing

- Common Industrial Protocol (CIP)

- Precision Time Protocol (PTP)

- Resilient Ethernet Protocol (REP)

- Swap Drive

- Netflow

    - Note: Due to HW limitation on IE3x00 platforms,

        - QoS Metering and NetFlow cannot co-exist on the same interface.

        - Number of flows supported on the IE3x00 is 1700

        - On counters, initial packets will not be accounted.

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1

• RSPAN

Important Note

Multicast traffic not registered with the switch will be distributed to every port.

Open Caveats

This section contains open caveats for this release.

Table 1: Open Caveats

ID	Description
CSCvj23732	100 MB SFP insertion/removal issues with uplinks on some boards.
CSCvj72757	ACL Logging wont work for only IGMP packets, but the configured action is applied correctly.
CSCvk14196	TCAM installation fails for ipv4 ACL with ACEs scaled within the limit(254 ACEs) and none of the entries are seen.
CSCvk50345	REP: Unable to configure admin vlan per segment.
CSCvm08873	ARP probes generated by Device tracking feature wouldn't be unicast.
CSCvm15299	Applying ACLs on EtherChannel/PortChannel/LAG interfaces is not blocked. Yet has no effect.
CSCvm28009	ICMP flows are counted twice in netfow records.
CSCvm80407	Show interface transceivers doesn't list GLC-FE-100FX-RGD.
CSCvm87839	Incomplete and duplicate info in \"show version installed\" output.
CSCvn12760	STP and REP links are flapping or broken when traffic rate is greater than configured priority rate.
CSCvn18381	Some express setup temporary config remain present even after quick disconnection of cable.
CSCvn18610	Device classifier with snooping features (IGMP,MLD,DHCP) will drop respective control packets.
CSCvn25837	After ExpressSetup, Gi1/3 continues to retain mode access, ip arp inspection commands after reload.
CSCvn26244	Industrial special QoS egress classification is missing in cisco-ie-global policy.
CSCvn26272	QoS egress bandwidth allocation and EF flow put into low priority queue.
CSCvn31888	REP interface bounces with high CPU utilization.
CSCvn36229	SG: Subint programming on standby shows ERRORed out post switchover.

Release Note for the Cisco Catalyst IE 3200 and 3300 Rugged Series Industrial Ethernet Switch, and ESS 3300 Series Switches, Cisco IOS XE 16.10.1

2

Resolved Caveats

This section contains resolved caveats for this release.

Table 2: Resolved Caveats

ID	Description
CSCvk75175	IGMP snooping is not letting unknown multicast traffic reach the mrouter interface.
CSCvk18119	DHCP Client is not getting ip when mac table space is unavailable.
CSCvk05044	QoS egress policy map counter is incorrect.
CSCvi94624	CISCO-FLASH-MIB is not giving flash information.
CSCvk20216	IPv6 ACL stale entries are present in TCAM even after un-configuring the ACL.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see What's New in Cisco Product Documentation .

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the What's New in Cisco Product Documentation RSS feed . The RSS feeds are a free service.

Cisco Support

If you have any questions or require assistance, please contact Cisco Support:

- Visit the Cisco Support site at http://support.cisco.com/ .

- Email Cisco Support at tac@cisco.com.

- Call Cisco Support at 1.408.526.7209 or 1.800.553.2447.

Release Note for the Cisco Catalyst IE 3200 and 3300 Rugged Series Industrial Ethernet Switch, and ESS 3300 Series Switches, Cisco IOS XE 16.10.1

3