Release Notes for Cisco ME 1200 Series Carrier Ethernet Access Devices, Cisco IOS Release 15.4(3)SN and Later

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This release notes includes caveat information about Cisco IOS Release 15.4(3)SN that runs on the Cisco ME 1200 Series Carrier Ethernet Access Devices.

Contents

Supported Hardware

Device	Description
Cisco ME1200-4S-A	Ethernet Access Device with 4 1GE SFP Gigabit Ethernet ports and two RJ-45 copper Gigabit Ethernet ports; AC power input: 100 -240VAC
Cisco ME1200-4S-D	Ethernet Access Device with 4 1GE SFP Gigabit Ethernet ports and two RJ-45 copper Gigabit Ethernet ports; DC power input: -20.5 to -72 VDC
SFP Modules	GLC-FE-100FX,GLC-FE-100FX-RGD, GLC-FE-100EX,GLC-FE-100ZX, GLC-FE-100LX,GLC-FE-100LX-RGD,GLC-FE-100BX-U, GLC-FE-100BX-D, GLC-LH-SM, GLC-LH-SMD, GLC-LH-SM-RGD, GLC-SX-MM, GLC-SX-MMD, GLC-SX-MM-RGD, GLC-EX-SM, GLC-EX-SMD, GLC-EX-SM-RGD, GLC-ZX-SM, GLC-ZX-SMD, GLC-ZX-SM-RGD, GLC-T, GLC-BX-U, GLC-BX-D, SFP-GE-L, SFP-GE-S, SFP-GE-Z, SFP-GE-T, GLC-TE, CWDM-SFP-1470, CWDM-SFP-1490, CWDM-SFP-1510, CWDM-SFP-1530, CWDM-SFP-1550, CWDM-SFP-1570, CWDM-SFP-1590, CWDM-SFP-1610, DWDM-SFP-6061, DWDM-SFP-5979, DWDM-SFP-5898, DWDM-SFP-5817, DWDM-SFP-5736, DWDM-SFP-5655, DWDM-SFP-5575, DWDM-SFP-5413, DWDM-SFP-5494, DWDM-SFP-5332, DWDM-SFP-5252, DWDM-SFP-5172, DWDM-SFP-5092, DWDM-SFP-5012, DWDM-SFP-4931, DWDM-SFP-4851, DWDM-SFP-4772, DWDM-SFP-4692, DWDM-SFP-4612, DWDM-SFP-4532, DWDM-SFP-4453, DWDM-SFP-4373, DWDM-SFP-4294, DWDM-SFP-4214, DWDM-SFP-4134, DWDM-SFP-4056, DWDM-SFP-3977, DWDM-SFP-3898, DWDM-SFP-3819, DWDM-SFP-3739, DWDM-SFP-3661, DWDM-SFP-3582, DWDM-SFP-3504, DWDM-SFP-3425, DWDM-SFP-3346, DWDM-SFP-3268, DWDM-SFP-3190, DWDM-SFP-3112, DWDM-SFP-3033, DWDM-SFP-6141

New Features in Cisco IOS Release 15.4(3)SN

- Diagnostic POST:

  Diagnostic POST is used to perform hardware diagnostic tests [External port loopback test, Sync-E Reference Source Clock Test, and PTP One PPS Test] on the Cisco ME 1200 Series Carrier Ethernet Access Devices.

- HQOS:

  Hierarchical QoS support allows egress QoS on each EVC on the NNI port. Each EVC can be shaped separately and can be given a guaranteed bandwidth. Priority queues 6 and 7 of each EVC and non-service queues can be shaped individually. In other words, queuing can be done differently at queue-level, EVC level and port level.

- HTTPS:

  The Cisco IOS Release 15.4(3)SN enables the configuration options to secure the communication channels between the Cisco ME1200 NID and the NID controller through the HTTPS template configuration.

- RFC2544:

  The RFC2544 is a benchmarking methodology for network interconnect devices. It provides engineers and network technicians with a common language and results format.

Throughput, Back to Back, FrameLoss and Latecny tests can be performed as part of RFC2544.

- – Throughput—Measures the maximum rate at which none of the offered frames are dropped on the device.

- – Back-to-back—Measures the buffering capacity of a device

- – Frame loss—Reports the performance of a network device in an overloaded state.

- – Latency—Measures the round-trip time taken by a test frame to travel through a network device or across the network and back to the test port.

- • RSPAN:

  Remote SPAN (RSPAN) is an advanced feature that requires a special VLAN to carry the traffic that is monitored by SPAN between switches.

- • Switched Port Analyzer (SPAN):

  SPAN, also known as port mirroring or port monitoring, selects network traffic for analysis by a network analyzer. SPAN feature is local when the monitored ports are located on the same switch as the destination port.

- • ZTP Enhancements

  Effective Cisco IOS Release 15.4(3)SN, the zero touch provisioning (ZTP) feature now supports scenarios when network topology does not support LLDP-MED based policy configurations. If no usable LLDP policies are received after 60 seconds, ZTP uses fallback VLAN configuration to determine management VLAN.

Open Caveats—Cisco IOS Release 15.4(3)SN

Bug ID	Description
CSCup59765	**Symptom:** ccm-tlv command is not getting updated into MEP configuration. **Conditions:** This issue occurs when the **mep \<xx\> ccm-tlv** command xml file is uploaded but command is not reflecting. **Workaround:** There is no workaround.
CSCup69149	**Symptom**: When the SPAN source is configured as CPU, the same is not seen in the output of the **show span** command. **Conditions**: This issue occurs when SPAN source is configured as CPU. Source CPU is not seen in the output of the **show span config** command. **Workaround**: There is no workaround.

Bug ID	Description
CSCuq05739	**Symptom**: ACE update error is seen when PTP clock instance is disabled. **Conditions**: This issue occurs when the existing PTP clock instance is disabled. **Workaround:** There is no workaround.
CSCuq09035	**Symptom**: HTTPS configuration are not applied to the NID running configuration after a reload. **Conditions**: This issue occurs under normal conditions. **Workaround:** Reapply the configuration after the reload.
CSCuq09223	**Symptom**: Unable to save the configuration into flash if MEP is configured on the Cisco ME1200 Switch. **Conditions**: This issue occurs when MEP is configured on the Cisco ME1200 Switch. **Workaround:** There is no workaround.
CSCuq10357	**Symptom**: Saved configuration file is missing from the flash after an upgrade/reload. **Conditions**: This issue occurs when the configuration is saved into flash first instead of saving the running config to startup-configuration first. **Workaround:** First, save the configuration into the startup configuration, then save it into the flash.

Related Documents

Related Topic	Document Title
Cisco ME 1200 Series Carrier Ethernet Access Devices Hardware Installation Guide	http://www.cisco.com/c/en/us/support/switches/me-1200-series-carrier-ethernet-access-devices/products-installation-guides-list.html
UPE NID Controller Guide for the Cisco ME 1200 Series Carrier Ethernet Access Devices	http://www.cisco.com/c/en/us/td/docs/switches/metro/me1200/controller/guide/b_nid_controller_book.html
MIBs	ftp://ftp.cisco.com/pub/mibs/ME1200-MIBS/

Obtaining Documentation and Submitting a Service Request

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