Restrictions and Caveats in Cisco IOS XE 3.12S Releases

This chapter provides information about restrictions and caveats in Cisco IOS XE 3.12S releases.

Note We recommend that you view the field notices for the current release to determine whether your software or hardware platforms are affected. You can access field notices at http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.

This chapter contains the following sections:

Caveats in Cisco IOS XE 3.12S Releases

Caveats describe unexpected behavior. Severity 1 caveats are the most serious caveats. Severity 2 caveats are less serious. Severity 3 caveats are moderate caveats and only select severity 3 caveats are included in this chapter.

This section describes caveats in Cisco IOS XE 3.10S releases. The following information is provided for each caveat:

- Symptom—A description of what is observed when the caveat occurs.
- Conditions—The conditions under which the caveat has been known to occur.
- Workaround—Solutions, if available, to counteract the caveat.

The *Dictionary of Internetworking Terms and Acronyms* contains definitions of acronyms that are not defined in this document:

http://docwiki.cisco.com/wiki/Category:Internetworking_Terms_and_Acronyms_(ITA)

Bug Search Tool

The Caveats section only includes the bug ID and a short description of the bug. For details on the symptoms, conditions, and workaround for a particular bug you must use the Bug Search Tool.

Use the following link to access the tool: https://tools.cisco.com/bugsearch/search.

You will be prompted to log into Cisco.com. After successful login, the Bug Search Tool page opens. Use the Help link in the Bug Search Tool to obtain detailed help.

Caveats

The following sections describe the open and resolved caveats in 3.12S Releases:

Open Caveats—Cisco IOS XE Release 3.12.4S

There are no open caveats in Cisco IOS XE Release 3.12.4S.

Resolved Caveats—Cisco IOS XE Release 3.12.4S

Identifier	Description
CSCut55741	Wrong extraneous fan entries in Entity MIB.

Open Caveats—Cisco IOS XE Release 3.12.3S

There are no open caveats in Cisco IOS XE Release 3.12.3S.

Resolved Caveats—Cisco IOS XE Release 3.12.3S

Identifier	Description
CSCur77331	Led Indicator on ASR903 showing down after port flapping for XCONNECT

Open Caveats—Cisco IOS XE Release 3.12.2S

This section documents the issues that have are open in Cisco IOS XE Release 3.12.2S.

- CSCtg39038

  Symptom: Memory leak observed on router causing router reload.

  Conditions: This issue occurs under normal conditions.

  Workaround: There is no workaround.

- CSCuc58315, CSCup09007

  Symptom: Router crashed observed on unconfiguring the CEM interface without logging out of the CEM configuration mode.

  Conditions: This issue occurs on adding and removing the CEM interface configuration.

  Workaround: Exit from the sub-mode before issuing the **no xconnect** command.

- CSCul90379

  Symptom: In Virtual Private Wire Service (VPWS) configuration, some circuits remain down in the Standby RP and after SSO is performed.

  Conditions: This issue occurs after single MTU change operation to update MTU to a valid value is performed on a set of interfaces (in the range of 100's).

Workaround: Retry MTU change either on a smaller set of interfaces or on those interfaces separately for which circuits are down.

- CSCum69818

  Symptom: Error logs seen on removal of IPv6 address on the BDI interface.

  Conditions: This issue occurs after removal of IPv6 address or IPv6 ISIS router on the BDI interface.

  Workaround: There is no workaround.

- CSCun19434

  Symptom: Memory leaks observed on router.

  Conditions: This issue occurs when DMVPN crypto sessions are configured.

  Workaround: There is no workaround.

- CSCun30855

  Symptom: Configurations are not removed on standby RSP after unconfiguring 63 CEM channels on active RSP.

  Conditions: This issue occurs after unconfiguring 63 CEM channels on active RSP on OC-3 controller.

  Workaround: There is no workaround.

- CSCuo55797

  Symptom: Inter VRF ping fails in router memory leak.

  Conditions: This issue occurs after pinging a VRF prefix in a different VRF.

  Workaround: There is no workaround.

- CSCuq19954

  Symptom: The IOS OAM implementation displays incorrect values for dying gasp conditions for “Power Failure” and “Physical Down”.

  Conditions: This issue occurs when a "Physical Down" or "Power Failure" dying gasp is sent when an IOS box is peering with an IOX box.

  Workaround: Interpret a dying gasp reported as "Physical Down" as actually being "Power Failure" and vice versa.

- CSCuq60722

  Symptom: PID disappears after standby RSP reboot.

  Conditions: This issue occurs on standby RSP reboot.

  Workaround: There is no workaround.

- CSCur06724

  Symptom: Local ping fails with host queue in stuck state.

  Conditions: This issue occurs when a packet descriptor may get corrupted leading to host queue in stuck state.

  Workaround: Reload the router.

Resolved Caveats—Cisco IOS XE Release 3.12.2S

This section documents the issues that have been resolved in Cisco IOS XE Release 3.12.2S.

- CSCud65150

  Symptom: Router crash observed to an address error.

  Conditions: This issue occurs due to a Kron policy configuration.

  Workaround: Remove the Kron configurations from the system.

- CSCui93830

  Symptom: H-QoS top level service-policy fails on the router after switching between RSP modules.

  Conditions: This issue occurs after switching RSP modules.

  Workaround: Reattach the policy-map.

- CSCul15647

  Symptom: ACL QoS classification breaks with IPSec tunnel.

  Conditions: This issue occurs with ACL classification in policy-map and is applied to a physical interface. QoS pre-classify is configured under IPSec tunnel.

  Workaround: Apply a QoS to IPSec tunnel.

- CSCun83203

  Symptom: Bandwidth percentage does not work on changing the port speed.

  Conditions: This issue occurs on changing bandwidth percentage.

  Workaround: There is no workaround.

- CSCuo05897

  Symptom: Multicast traffic stops flowing over pseudowire on changing the configuration.

  Conditions: This issue occurs when BDI goes down and comes up.

  Workaround: Reload the device.

- CSCuo15916

  Symptom: COS classification does not work after router reload.

  Conditions: This issue occurs on a policy with class-map having cos match configuration and reload is performed.

  Workaround: Remove and re-apply the policy-map.

- CSCuo26304

  Symptom: CMAND logs have invalid function call messages.

  Conditions: This issue is observed on reload.

  Workaround: There is no workaround.

- CSCuo76490

  Symptom: Small buffer and IDB leak seen with PIM registers on the router.

  Conditions: This issue was observed with PIM registers egressing a BDI interface.

  Workaround: Block PIM registers using boundaries.

- CSCup03259

  Symptom: Memory leak observed in normal buffer output of router.

  Conditions: This issue occurs under normal conditions.

  Workaround: Remove the **qos pre-classify** command in the crypto map. Reload the device. Use the **memory-size iomem** command to assign more memory.

- CSCup12983

  Symptom: MTU settings on POS interface do not work correctly.

  Conditions: This issue occurs when POS is unconfigured.

  Workaround: There is no workaround.

- CSCup20634

  Symptom: Core interface ping fails when system has seven Layer3 port-channels.

  Conditions: This issue occurs on the Ten Gigabit IM inserted in slot 1.

Workaround: There is no workaround.

- CSCup34371

  Symptom: GETVPN GM stops decrytping traffic after TEK rekey.

  Conditions: This issue occurs on crypto map.

  Workaround: There is no workaround.

- CSCup49206

  Symptom: Restarting the router may flush and later originate default type-5 LSA during NSF/NSR restart. The flush may cause traffic loss.

  Conditions: This issue occurs on NSF or NSR restart.

  Workaround: There is no workaround.

- CSCuq12880

  Symptom: RSP1A crashes when multicast VPN configuration is used but SDM profile remains default.

  Conditions: This issue occurs when **show platform hardware pp active nqatm 0 ipv4tunnel all** command is executed.

  Workaround: Use correct SDM profile.

Open Caveats—Cisco IOS XE Release 3.12.1S

There are no open caveats in Cisco IOS XE Release 3.12.1S.

Resolved Caveats—Cisco IOS XE Release 3.12.1S

This section documents the issues that have been resolved in Cisco IOS XE Release 3.12.1S.

- CSCum05115

  Symptom: IPv4 labelled BGP traffic drops on the router.

  Conditions: This issue occurs for prefixes after a reload of the router.

  Workaround: There is no workaround.

- CSCum45110

  Symptom: Multicast traffic is not sent over BDI interface with IGMP snooping enabled.

  Conditions: This issue occurs on the router when IGMP snooping is enabled.

  Workaround: Disable IGMP snooping.

- CSCum96961

  Symptom: Continuous increase in output drop counters observed on the interface despite no traffic flow through the interface.

  Conditions: This issue occurs on port-channel configurations with QOS applied on them.

  Workaround: Remove the QoS configuration.

- CSCun07802

  Symptom: AutoNegotiation configuration on the fiber ports is not retained after IM OIR or reload.

Conditions: This issue occurs on IM OIR/ or router reload.

Workaround: Do not disable the AutoNegotiation property on the fiber ports, else reconfigure the AutoNegotiation on the ports manually.

- CSCun07843

  Symptom: Critical alarm goes out on FPGA of port.

  Conditions: This issue occurs after performing an SSO on the router.

  Workaround: There is no workaround.

- CSCun35642

  Symptom: Class-map filter modification do not work for uninstalled policy-maps.

  Conditions: This issue occurs when a policy-map with 2 classes exist on the router. Modify the class-map filter gets rejected.

  Workaround: Remove the class from the policy-map and modify it.

- CSCun79358

  Symptom: DHCP packets getting dropped on a transparent node between client and server.

  Conditions: This issue occurs when global DHCP snooping is enabled on the transparent node.

  Workaround: Disable the global DHCP snooping feature.

- CSCuo03508

  Symptom: Bulk sync failure seen on router when DAI is configures and **ip arp inspection filter nag bridge-domain static** command is executed.

  Conditions: This issue occurs with DAI configuration.

  Workaround: After switchover or router reload, configure the **cip arp inspection filter nag bridge-domain static** command.

- CSCuo06895

  Symptom: Router crash observed after reload.

  Conditions: This issue occurs in normal conditions. There is no specific trigger or condition under which this may occur.

  Workaround: There is no workaround.

- CSCuo09866

  Symptom: Forwarding Manager (FMAN) FP logs filled with error messages.

  Conditions: This issue is observed on image upgrade.

  Workaround: There is no workaround.

  Further Problem Description:

- CSCuo90854

  Symptom: P TV does not work with RSP1B video template.

  Conditions: This issue occurs when BDI numbers lesser than 4000 is used.

  Workaround: Use BDI numbers greater than 4000.

Open Caveats—Cisco IOS XE Release 3.12S

This section documents the unexpected behavior that might be seen with the Cisco ASR 900 router in Cisco IOS XE Release 3.12.S.

- CSCun13151

  Symptom: Egress traffic drop was observed on an ACR ATM interface in PVP mode.

  Conditions: This issue occurs on the ACR ATM interface after performing SSO.

  Workaround: There is no workaround.

Resolved Caveats—Cisco IOS XE Release 3.12S

This section documents the issues that have been resolved in Cisco IOS XE Release 3.12S.

- CSCui50577

  Symptom: Traffic drop observed on the router.

  Conditions: This issue occurs after performing an IM OIR.

  Workaround: There is no workaround.

- CSCuj30644

  Symptom: Multicast does not function in scaled mode with SM mode and BDI in core.

  Conditions: This issue was seen in the scaled mode.

  Workaround: Execute the **no ip igmp snooping** command on the router to forward multicast traffic.

- CSCuj32358

  Symptom: Multicast packets with TTL=0 are forwarded and not dropped.

  Conditions: This issue occurs with multicast incoming traffic with TTL=0.

  Workaround: There is no workaround.

- CSCuj42208

  Symptom: Layer 3 multicast traffic drop was observed on the trunk port.

  Conditions: This issue occurs when multicast is converged, and a **shutdown** followed by a **no shutdown** command is executed on the multicast router interface (mrouter port).

  Workaround: Execute command **clear ip mroute** command to clear IPv4 multicast routes and the command **clear ipv6 pim topology** to clear IPv6 multicast routes.

- CSCuj43701

  Symptom: Multicast receivers received duplicate traffic.

  Conditions: This issue occurs in the following conditions:

  – Executing a **shutdown** command or **default shutdown** command on the last EFP under a bridge-domain configured on the port-channel interface.

  – Executing a **shutdown** or **default shutdown** command on the last TEFP under a bridge-domain configured on the port-channel interface.

  – Executing a **shutdown** or **default shutdown** command on the port-channel and configuring an EFPor TEFP without waiting for at least 3 minutes.

  - Deleting the last TEFP on a particular NILE (either 0 or 1 or both) and immediately configuring EFP under the same port and for the same bridge-domain.

  Workaround: Clearing multicast routes for the multicast group receiving duplicate traffic may resolve the issue. Execute command **clear ip mroute** command to clear IPv4 multicast routes and the command **clear ipv6 pim topology** to clear IPv6 multicast routes.

- CSCuj49095

  Symptom: The router displays an OUT_OF_TCAM error message on the console.

  Conditions: This issue occurs when a PIM-enabled interface is added or deleted.

  Workaround: Reload the router.

- CSCuj49110

  Symptom: S/N entries are allocated for BDI in down state.

  Conditions: This occurs when the BDI state is down.

  Workaround: There is no workaround.

- CSCuj56146

  Symptom: Deletion of last EFP configured under port-channel fails to update ASIC in the router. The EFP is removed from the running configuration but the router continues to forward multicast traffic on the last EFP configured under the port-channel.

  Conditions: This issue occurs under the following conditions:

  - Defaulting port-channel interface.
  - Executing the shut or no shut commands on the port-channel interface.
  - Executing the shut or no shut commands on the last EFP of a bridge-domain under the port-channel.

  Workaround: There is no workaround.

- CSCuj56513

  Symptom: Multicast traffic was flooded back on Source Tx port.

  Conditions: This issue occurs when:

  - The router is configured with PIM-SM.
  - IIF is the Trunk EFP (BDI) and OIF is used as the Regular EFP.
  - Both IIF and OIF are in the same bridge-domain (BD).

  The Trunk EFP IIF configuration is removed with (either no service instance or port default) and a Normal EFP is configured on the same IIF Port belonging to the same BD.

  Workaround: Execute the **clear ip mroute** command.

- CSCul01233

  Symptom: EMPLSintd memory leak is observed on configuration and unconfiguration of remote LFA FRR tunnels.

  Conditions: This issue occurs when memory leaks are seen on interface flap or after unconfiguring and configuring the remote LFA FRR.

  Workaround: There is no workaround.

- CSCul10120

  Symptom: Self ping fails when ICMP punt traffic congests the host queue.

Conditions: This issue occurs when the host queue is congested by ICMP punt traffic for a long time.

Workaround: There is no workaround.

- CSCul27129

  Symptom: Remote MEPs are not learnt on cross-connect service with a POS interfaces the core link.

  Conditions: This issue occurs when CFM up MEPs are configured for an cross-connect service configured on an access interface, with POS links in core.

  Workaround: There is no workaround.

- CSCul37563

  Symptom: Packet drop observed after resetting the multilink bundle more than 3 or 4 times.

  Conditions: This issue occurs on an MLPPP interface over channelized STM.

  Workaround: Configure the remote end to accept compressed packets.

- CSCul40676

  Symptom: Ping failure observed on the interface connected with port 0/0/0 with ACR configuration.

  Conditions: This issue occurs when ACR is configured on the router.

  Workaround: Install the IM in the other bay or use a port other than 0/0/0 as the core.

- CSCul64840

  Symptom: The router shuts down when the SNMP host is enabled by executing the **snmp-server host** command globally.

  Conditions: This issue occurs when the **snmp-server host** command is executed.

  Workaround: Use the management interface VRF for the SNMP host.

- CSCul68008

  Symptom: Bulk synchronization fails for ATM layer 2 configuration on T1E1 IM is observed on the router.

  Conditions: This issue occurs on TDM IM with ATM configuration.

  Workaround: There is no workaround.

- CSCul93778

  Symptom: No alarm is reported after executing the **shutdown** command on the controller, when high availability (HA) is setup.

  Conditions: This issue occurs when a POS interface is created on an HA setup, and a **shutdown** command is executed on the interface after SSO.

  Workaround: There is no workaround.

- CSCum66060

  Symptom: Increased usage of MPLSintd observed after scale configuration and stress test. Interface flaps and BFD flaps are observed on the router.

  Conditions: This issue occurs with increased usage in MPLSintd resource leading to router crash over a prolong period of time.

  Workaround: There is no workaround.

- CSCum69866

Symptom: ONS-SC-155-EL optic is not recognized by the router when inserted in the OC-3 IM.

Conditions: This issue occurs when the ONS-SC-155-EL optic is inserted in the OC-3 IM on the router. An error message is displayed on the console indicating that the transceiver is not supported. The optic is not detected when the **show inventory** command is executed.

Workaround: There is no workaround.

- CSCum92427

  Symptom: Ping fails when the ARP type is in UNKNOWN state

  Conditions: This issue occurs when the Cisco ASR 903 router acts as a helper and resides between the DHCP sever and a Cisco ASR 901 router.

  Workaround: Execute the **shutdown** command followed by the **no shutdown** command on the interface. Execute **clear arp-cache** command, to clear the cache.

- CSCun08534

  Symptom: IGMP snooping is not supported with the IP services license, thereby breaking multicast routing.

  Conditions: This issue occurs with IP service licenses.

  Workaround: Disable IGMP snooping and cause flooding of multicast packets.