Release Notes for Cisco IOS Release 15.7(3)M on the 5900 Embedded Services Routers

The following release notes support Cisco IOS Releases 15.7(3)M and higher releases. These releases support the Cisco 5900 Embedded Services Routers (ESR) platforms. These release notes are updated to describe new features, limitations, troubleshooting, recommended configurations, caveats, and how to obtain support and documentation.

Contents

This publication consists of the following sections:

Image Information and Supported Platforms

Note You must have a Cisco.com account to download the software.

Cisco IOS Release 15.7(3)M includes the following Cisco IOS images:

- c5915-adventerprisek9-mz.SPA
- c5915-entbase-mz.SPA
- c5921i86-universalk9-ms.SPA
- c5921i86-entbasek9-ms.SPA
- c5921i86-entbasek9-tar.SPA
- c5921i86-universalk9-tar.SPA
- c5930-adventerprisek9-mz.SPA
- c5940-adventerprisek9-mz.SPA
- c5921i86-universalk9_npe-ms.SPA
- c5921i86-universalk9_npe-tar.SPA

Related Documentation

The following documentation is available:

- Cisco 5900 Embedded Services Routers

  http://www.cisco.com/c/en/us/support/routers/5900-series-embedded-services-routers/tsd-products-support-series-home.html

- IOS Bulletins—You can find bulletins at:

  http://www.cisco.com/cisco/web/psa/default.html?mode=prod&level0=268438303

- Cisco IOS Software Downloads:

  https://software.cisco.com/download/navigator.html?mdfid=282506143&flowid=20641

New Features Supported

This release supports software changes made in IOS that exist on other platforms.

500 Mbps license

The 5921 supports five perpetual performance level feature licenses and there is a requirement to support Level6 (500Mbps) license as well.

There is no change in c5921 architecture image and the new entitlement c5921-x86base-level6 is added under universal, NPE, and entbase reservation to support the 500Mbps license.

Caveats

Caveats describe unexpected behavior in Cisco IOS releases. Caveats listed as open in a prior release are carried forward to the next release as either open or closed (resolved).

> **Note** You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can register for an account.

For more information about the Cisco Bug Search Tool, see the Bug Search Tool Help & FAQ.

Cisco IOS Release 15.7(3)M

The following sections list caveats for Cisco IOS Release 15.7(3)M:

Open Caveats

- **CSCve64575**

  License limit exceed not working for 200 and 500 Mbps.

  Conditions:

  Packets are not getting dropped when a traffic rate is sent that exceeds the license limit, for example 201 and 501 Mbps. For other bandwidth levels the packets are getting dropped with an exceed rate of 1 Mbps where the 200 and 500 levels the drops occur at around 206 and 508.65 Mbps respectively.

  Workaround:

  There is no workaround.

- **CSCve54282**

  c5921 has an SNMP memory leak.

  Conditions:

  Using the sh memory debug leaks chunks command reveals memory leaks.

  Workaround:

  There is no workaround.

Closed Caveats

The following caveats are fixed with this release:

- **CSCvb70800**

  ESR did not restore DLEP session after reload.

- **CSCve57606**

  DTHO-2 MAC address did not get updated within IOS.

- **CSCvc17603**

  Expected mux matches were not seen in IPV6 IPMUX. The output differs in "Outbound (mux) Statistics" in show ipv6 mux profile ipv6-udp-pagent command output.

- **CSCve06946**

  C5921 expects MAC address information to be present in all netlink messages.

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 at: http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html.

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