Release Notes for Cisco IOS Release 15.8(3)M

The following release notes support Cisco IOS Releases 15.8(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:

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Image Information and Supported Platforms

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

Cisco IOS Release 15.8(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 15.8M cross-platform release notes:

  https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/15-8m/release/notes/15-8-3-m-rel-notes.html

New Features Supported

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

Flexible Netflow

The 5900 series Embedded Routers support the Flexible Netflow feature starting from Cisco IOS Release 15.8(3)M. Cisco IOS Flexible NetFlow is the next-generation in flow technology. It optimizes the network infrastructure, reducing operation costs and improving capacity planning and security incident detection with increased flexibility and scalability. The ability to characterize IP traffic and identify its source, traffic destination, timing, and application information is critical for network availability, performance, and troubleshooting.

Understanding and Configuring Flexible Netflow information can be found here:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/fnetflow/configuration/15-mt/fnf-15-mt-book.html

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 15.8(3)M

The following sections list caveats for Cisco IOS Release 15.8(3)M:

Open Caveats

There are no open caveats with this release.

Closed Caveats

The following caveats are fixed with this release:

- **CSCvj20285**

  Stack corruption crash on ESR.

  Symptoms:

  ESR 5921 crashes due to stack corruption. Crashinfo has messages like the following example:

  ```
  %SYS-3-OVERRUN: Block overrun at A32C4C30 (red zone 00000000)
  %SYS-6-BLKINFO: Corrupted redzone blk A32C4C30, words 64, alloc CB34368, InUse,
  dealloc 0, rfcnt 1
  ```

Conditions:

Hardware or software error conditions can lead to this.

Workaround:

There is no workaround.

- **CSCvj46903**

    On the c5921: License enforcement to default 8kbps does not happen, even after evaluation period has expired.

    Symptoms:

    License enforcement to 8kbps after evaluation period expired.

    Conditions:

    When evaluation period expires.

    Workaround:

    There is no workaround.

- **CSCvj85142**

    On the c5921: Throughput Level getting configured even after the evaluation license has expired.

    Symptoms:

    Able to configure the Throughput Level once the Evaluation license got expired.

    Conditions:

    Once the Evaluation license got Expired the throughput license level should not be able to configure.

    Workaround:

    There is no workaround.

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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