



Release Notes for Cisco IOS Release 15.2M&T

First Published: July 22, 2011

Last Updated: September 23, 2013

Release: Cisco IOS Release 15.2(3)T4

Part Number: OL-25471-04 Rev. 00

These release notes support Cisco IOS Release 15.2M&T up to and including Cisco IOS Release 15.2(3)T4. The release notes are updated with each 15.2M&T release to describe new features and related documents.

Cisco IOS Release 15.2M&T provides the latest innovations for the world's most demanding networks and is designed to provide a unified network architecture that is stable, reliable, and secure. New features are fully integrated with extensive capabilities already available in Cisco IOS software to provide solutions for enterprise, service provider, and smart-grid.

Contents

This document contains the following sections:

- [Cross-Platform System Requirements, page 2](#)
- [MIBs, page 3](#)
- [Field Notices and Software-Related Tools and Information, page 4](#)
- [Troubleshooting, page 4](#)
- [Feature Support, page 5](#)
- [Memory Recommendations, page 6](#)
- [Platform-Specific Information, page 7](#)
- [New and Changed Information, page 17](#)
- [Important Notes, page 56](#)
- [Caveats, page 77](#)
- [Related Documentation, page 525](#)
- [Notices, page 525](#)
- [Obtaining Documentation and Submitting a Service Request, page 527](#)

Cross-Platform System Requirements

This section describes the system requirements for Cisco IOS Release 15.2M&T and includes the following sections:

- [Supported Hardware Platforms, page 2](#)
- [Determining Your Software Version, page 2](#)
- [Upgrading to a New Release, page 2](#)

Supported Hardware Platforms

Cisco IOS Release 15.2M&T supports platforms within the following Cisco series:

- Cisco 800 series routers
- Cisco 1800 series routers (1861E)
- Cisco 1900 series integrated services routers
- Cisco 2900 series integrated services routers
- Cisco 3900 series integrated services routers
- Cisco 7200 Series Routers
- Cisco 7300 Series Routers
- Cisco Connected Grid Router (CGR) 2000 series
- Cisco High Density Analog Voice Gateways

For more information about the platforms supported in Cisco IOS Release 15.2M&T, see the [“Platform-Specific Information” section on page 7](#).

Determining Your Software Version

To determine the version of Cisco IOS software that is currently running on your Cisco network device, log in to the device and enter the **show version** user EXEC command:

```
Router> show version
Cisco Internetwork Operating System Software IOS (tm)
15.2 Software (c880data-universalk9-mz), Version 15.2(1)T, RELEASE SOFTWARE
```

Upgrading to a New Release

For information about selecting a new Cisco IOS software release, see *How to Choose a Cisco IOS Software Release* at the following URL:

http://www.cisco.com/en/US/products/sw/iosswrel/ps1834/products_tech_note09186a00800fb9d9.shtml

For information about updating or upgrading Cisco IOS Software, see *How to Update/Upgrade Cisco IOS Software* at the following URL:

http://www.cisco.com/en/US/prod/iosswrel/networking_solutions_products_genericcontent0900aecd806ea5be.html

Platform-specific documents may also provide information about upgrading to a new software release:

- Cisco 800 series routers:
http://www.cisco.com/en/US/products/hw/routers/ps380/prod_installation_guides_list.html
- Cisco 1800 series routers:
http://www.cisco.com/en/US/products/ps5853/prod_installation_guides_list.html
- Cisco 1900 series routers:
http://www.cisco.com/en/US/docs/routers/access/1900/hardware/installation/guide/1900_HIG.html
- Cisco 2900 and 3900 series routers:
http://www.cisco.com/en/US/docs/routers/access/2900/hardware/installation/guide/Hardware_Installation_Guide.html
- Cisco Connected Grid Routers 2010:
http://www.cisco.com/en/US/docs/routers/access/2000/CGR2010/hardware/installation/guide/CGR2010_HIG.html

For instructions on ordering a Cisco IOS upgrade, see the document at the following location:

http://www.cisco.com/warp/public/cc/pd/iosw/prodlit/957_pp.htm

To choose a new Cisco IOS software release by comparing feature support or memory requirements, use Cisco Feature Navigator. Cisco Feature Navigator is a web-based tool that enables you to determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image. You can search by feature or by feature set (software image). Under the release section, you can compare Cisco IOS software releases side by side to display both the features unique to each software release and the features that the releases have in common.

Cisco Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/cfn>

To choose a new Cisco IOS software release based on information about defects that affect that software, use Bug Toolkit at the following URL:

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

MIBs

To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL:

<http://tools.cisco.com/ITDIT/MIBS/servlet/index>

If Cisco MIB Locator does not support the MIB information that you need, you can also obtain a list of supported MIBs and download MIBs from the Cisco MIBs page at the following URL:

<http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>

To access Cisco MIB Locator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank e-mail to cco-locksmith@cisco.com. An automatic check will verify that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password will be e-mailed to you. Qualified users can establish an account on Cisco.com by following the directions found at this URL:

<http://tools.cisco.com/RPF/register/register.do>

Field Notices and Software-Related Tools and Information

We recommend that you view the field notices for this release to see if your software or hardware platforms are affected. You can find Field Notices at

http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.

Visit the Software Center/Download Software page on Cisco.com to subscribe to Cisco software notifications, locate MIBs, access the Software Advisor, and find other Cisco software-related information and tools. Access the Software Center/Download Software page at

<http://www.cisco.com/cisco/software/navigator.html?a=a&i=rpm>.

Troubleshooting

The following documents and websites provide assistance with troubleshooting your Cisco hardware and software:

- *Troubleshoot and Alerts Product Selection Page*
<http://www.cisco.com/cisco/web/psa/troubleshoot.html?mode=prod&level0=268437899>
- *Hardware Troubleshooting Index Page*
http://www.cisco.com/en/US/products/hw/routers/ps214/products_tech_note09186a008012fb88.shtml
- *Cisco 800 Series Routers Troubleshooting Guides*
http://www.cisco.com/en/US/products/hw/routers/ps380/prod_troubleshooting_guides_list.html
- *Troubleshooting Cisco 3900 Series, 2900 Series, and 1900 Series ISRs*
<http://www.cisco.com/en/US/docs/routers/access/2900/hardware/installation/guide/Trouble.html>
- *Cisco Unified Communications 500 Series Install and Upgrade Tech Notes*
http://www.cisco.com/en/US/products/ps7293/tsd_products_support_install_and_upgrade_technotes_list.html
- *Cisco IOS System Message Guide*
http://www.cisco.com/en/US/docs/ios/system/messages/guide/consol_smg.html
- Cisco Support Community
<https://supportforums.cisco.com/index.jspa>