Release Notes for Cisco IOS Release 15.0M

Cisco IOS Release 15.0(1)M integrates a portfolio of over 2000 key capabilities that span multiple technology areas, including security, voice, Multiprotocol Label Switching (MPLS), IP services, and embedded management. Key highlights of Cisco IOS Release 15.0(1)M include the following:

- Feature inheritance from Cisco IOS Releases 12.4T and 12.4 Mainline.

- An extended maintenance release (44 months of support) that allows customers to qualify/deploy/remain on the release longer with active bug fix support.

- Rebuilds of Cisco IOS Release 15.0(1)M.

- Cisco IOS Release 15.0M (extended maintenance) releases that deliver incremental new features and hardware support (in addition to supporting features and hardware previously delivered) every 20 months.

Note AppleTalk Phase I and II and Service Selection Gateway (SSG) features are not supported in Cisco IOS Release 15.0(1)M and later releases. In addition, several Cisco hardware platforms ended support on Cisco IOS Release 12.4(15)T and Cisco IOS Release 12.4 Mainline. These platforms will not be supported in Cisco IOS Release 15.0(1)M and later releases. See the following bulletin for more information:

http://www.cisco.com/en/US/prod/collateral/iosswrel/ps8802/ps6968/ps6441/product_bulletin_c25_466578.html

Note See the for important information about Cisco IOS Release 15.0M.

These release notes support Cisco IOS Release 15.0M. They are updated to describe new memory requirements, hardware support, software platform deferrals, and related documents.

For a list of the software caveats that apply to Cisco IOS Release 15.0M, see the . This section is updated for every maintenance release.

We recommend that you view the field notices for this release to see if your software or hardware platforms are affected. If you have an account on Cisco.com, you can find field notices at http://www.cisco.com/kobayashi/support/tac/fn_index.html. If you do not have a Cisco.com login account, you can find field notices at http://www.cisco.com/public/support/tac/fn_index.html.

Contents

These release notes contain the following sections:

Cross-Platform System Requirements

This section describes the system requirements for Cisco IOS Release 15.0M and has the following sections:

Supported Hardware Platforms

Cisco IOS Release 15.0M supports the following Cisco hardware platforms:

- Cisco 800 series routers
- Cisco 1800 series routers
- Cisco 1900 series integrated services routers
- Cisco 2800 series integrated services routers
- Cisco 2900 series integrated services routers
- Cisco 3200 series rugged integrated services routers

- Cisco 3800 series integrated services routers
- Cisco 3900 series integrated services routers
- Cisco 7000 family routers
- Cisco AS5350XM universal gateways
- Cisco AS5400XM universal gateways
- Cisco IAD2430 series integrated access devices
- Cisco IAD2801 series integrated access devices
- Cisco VG202 and VG204 voice gateways
- Cisco VG224 analog gateways
- Cisco VGD 1T3 voice gateways

For detailed descriptions of the new hardware features, see the .

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** EXEC command:

```
Router> show version

Cisco Internetwork Operating System Software IOS (tm)
15.0 Software (C2430-is-mz), Version 15.0(1)M, 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 upgrading to a new software release, see the appropriate platform-specific documents:

- Cisco VG202, Cisco VG204, Cisco VG224

    http://www.cisco.com/en/US/products/hw/gatecont/ps2250/prod_installation_guides_list.html

- 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 2800 series routers

    http://www.cisco.com/en/US/products/ps5854/prod_installation_guides_list.html

- Cisco 3200 series rugged integrated services routers

    http://www.cisco.com/en/US/products/hw/routers/ps272/index.html

- Cisco 3800 series routers

  http://www.cisco.com/en/US/products/ps5855/prod_installation_guides_list.html

- Cisco 7000 series routers

  http://www.cisco.com/en/US/products/hw/routers/ps341/prod_installation_guides_list.html

- Cisco AS5350XM series universal gateways

  http://www.cisco.com/en/US/products/hw/univgate/ps501/prod_installation_guides_list.html

- Cisco AS5400XM series universal gateways

  http://www.cisco.com/en/US/products/hw/univgate/ps501/prod_installation_guides_list.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