



Release Notes for Cisco IOS Release 12.2

April 27, 2007

Cisco IOS Release 12.2(46)

OL-1614-22



Note

See the [“Important Notes” section on page 185](#) for important information about Cisco IOS Release 12.2.

These release notes support Cisco IOS Release 12.2, up to and including Cisco IOS Release 12.2(46). These release notes are updated to describe new memory requirements, hardware support, software image deferrals, and changes to the microcode or modem code and related documents.

Cisco IOS Release 12.2(21a) and all subsequent 12.2 releases are deemed “Generally Deployable.” We believe that Release 12.2 is suitable for deployment anywhere in the network where the features and functionality of the release are required.

For a list of the software caveats that apply to Cisco IOS Release 12.2, refer to the [Caveats for Cisco IOS Release 12.2](#) document, which accompanies these release notes. The caveats document is updated for every maintenance release and is located on [Cisco.com](#).

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/warp/customer/tech_tips/index/fn.html. If you do not have a Cisco.com login account, you can find field notices at http://www.cisco.com/warp/public/tech_tips/index/fn.html.



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

© <year> Cisco Systems, Inc. All rights reserved.

Contents

These release notes contain the following sections:

- [Cross-Platform System Requirements, page 2](#)
- [Feature Support, page 7](#)
- [Memory Recommendations, page 9](#)
- [Platform-Specific Information, page 10](#)
- [New and Changed Information, page 93](#)
- [MIBs, page 183](#)
- [Limitations and Restrictions, page 185](#)
- [Important Notes, page 185](#)
- [Caveats for Cisco IOS Release 12.2, page 261](#)
- [Troubleshooting, page 262](#)
- [Related Documentation, page 263](#)
- [Notices, page 267](#)
- [Obtaining Documentation, Obtaining Support, and Security Guidelines, page 269](#)

Cross-Platform System Requirements

This section describes the system requirements for Cisco IOS Release 12.2 and includes the following sections:

- [Supported Hardware Platforms, page 2](#)
- [Determining Your Software Version, page 3](#)
- [Upgrading to a New Release, page 4](#)

Supported Hardware Platforms

Cisco IOS Release 12.2 supports the following Cisco hardware platforms:

- Cisco VG 200 Voice Gateway¹
- Cisco 800 series
- Cisco uBR920 series
- Cisco 1400 series
- Cisco 1600/1600R series
- Cisco 1700 series
- Cisco 2500 series²
- Cisco 2600 series
- Cisco 3600 series
- Cisco 4500 series
- Catalyst 5000 family RSM/VIP2
- Cisco AS5300 universal access server
- Cisco AS5400 universal access server
- Cisco AS5800 universal access server
- Cisco 7000 family
- Cisco uBR7200 series
- Cisco ICS 7750³
- Cisco 15104 Optical Networking System⁴

- Cisco MC3810 multiservice access concentrator⁵
 - Cisco MGX 8850 route processor module⁶
 - Catalyst 4000 Access Gateway Module
 - Cisco Signaling Link Terminal Module
1. The Cisco VG 200 Voice Gateway is not supported in Cisco IOS Release 12.2(34).
 2. The Cisco 2500 series routers are not supported in Cisco IOS Release 12.2(34).
 3. The Cisco ICS7750 images are not supported in Cisco IOS Release 12.2(19) and later releases.
 4. The Cisco 15104 image is supported in Cisco IOS Release 12.2(1), Release 12.2(3), Release 12.2(6), Release 12.2(10), and Release 12.2(17). The Cisco 15104 image is not supported in Cisco IOS Release 12.2(12), Release 12.2(13), Release 12.2(16), Release 12.2(19), and later releases.
 5. The Cisco MC3810 multiservice access concentrator is not supported in Cisco IOS Release 12.2(34).
 6. The Cisco MGX 8850 Route Processor Module images are not supported in Cisco IOS Release 12.2(19) and later releases.

For detailed descriptions of the new hardware features, see the “[New and Changed Information](#)” section on page 93.

For additional information about supported hardware for these platforms and release, refer to the Hardware/Software Compatibility Matrix in the Cisco Software Advisor at the following location:

<http://www.cisco.com/cgi-bin/front.x/Support/HWSWmatrix/hswmatrix.cgi>

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) 12.2 Software (C2500-D-L), Version 12.2(28), RELEASE SOFTWARE
```

Upgrading to a New Release

For information about selecting a new Cisco IOS software release, please refer to *How to Choose a Cisco IOS Software Release* at:

http://www.cisco.com/warp/public/130/choosing_ios.shtml

For information about upgrading to a new software release, refer to the appropriate platform-specific document:

- Cisco VG200 Series Gateways
http://www.cisco.com/en/US/products/hw/gatecont/ps2250/tsd_products_support_series_home.html
- Cisco 800 Series Routers
http://www.cisco.com/en/US/partner/products/hw/routers/ps380/products_tech_note09186a0080094b23.shtml
- Cisco uBR900 Series Cable Access Routers
http://www.cisco.com/en/US/products/hw/cable/ps2221/products_tech_note09186a0080093d7c.shtml
- Cisco 1400 Series Routers
http://www.cisco.com/en/US/products/hw/routers/ps259/products_tech_note09186a00801fc986.shtml
- Cisco 1600 Series Routers
http://www.cisco.com/en/US/products/hw/routers/ps259/products_tech_note09186a00801fc986.shtml
- Cisco 1700 Series Routers
http://www.cisco.com/en/US/products/hw/routers/ps259/products_tech_note09186a00801fc986.shtml
- Cisco 2500 Series Routers
http://www.cisco.com/en/US/products/hw/routers/ps259/products_tech_note09186a00801fc986.shtml
- Cisco 2600 Series Multiservice Platforms
http://www.cisco.com/en/US/products/hw/routers/ps259/tsd_products_support_series_home.html
- Cisco 3600 Series Multiservice Platforms
http://www.cisco.com/en/US/products/hw/routers/ps282/tsd_products_support_series_home.html
- Cisco MC3810 Multiservice Access Concentrators
http://www.cisco.com/en/US/products/hw/routers/ps259/products_tech_note09186a00801fc986.shtml
- Cisco Catalyst 4500 Series Switches
http://www.cisco.com/en/US/products/hw/switches/ps663/products_configuration_example09186a00801461ef.shtml
- Cisco Catalyst 5000 Series Switches
http://www.cisco.com/en/US/products/hw/switches/ps700/products_tech_note09186a00801347e2.shtml

- Cisco AS5300 Series Universal Gateways
http://www.cisco.com/en/US/products/hw/routers/ps259/products_tech_note09186a00801fc986.shtml
- Cisco AS5400 Series Universal Gateways
http://www.cisco.com/en/US/products/hw/univgate/ps505/products_tech_note09186a00800949f4.shtml
- Cisco AS5800 Series Universal Gateways
http://www.cisco.com/en/US/products/hw/univgate/ps509/products_tech_note09186a008014f8e2.shtml
- Cisco 6400 Series Broadband Aggregators
http://www.cisco.com/en/US/products/hw/routers/ps314/products_configuration_guide_chapter09186a008007db01.html
- Cisco 7200 Series, 7300 Series, 7400 Series, and 7500 Series Routers
http://www.cisco.com/en/US/products/hw/routers/ps133/products_tech_note09186a0080094c07.shtml
- Cisco uBR7200 Series Universal Broadband Routers
http://www.cisco.com/en/US/products/hw/cable/ps2217/tsd_products_support_series_home.html
- Cisco ICS 7700 Series Integrated Communication Systems
<https://www.cisco.com/en/US/docs/routers/access/ics7750/software/24/troubleshooting/guide/icstg24.html>

For Cisco IOS Upgrade Ordering Instructions, refer to 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:

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