



Release Notes for Cisco IOS Release 12.4T

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Cisco IOS Release 12.4(24)T10

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Note

See the [“Important Notes” section on page 230](#) for important information for Cisco IOS Release 12.4T.

These release notes support Cisco IOS Release 12.4T. 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 12.4T, refer to the [Caveats for Cisco IOS Release 12.4T](#) 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. You can find field notices at

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

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Cross-Platform System Requirements

This section describes the system requirements for Cisco IOS Release 12.4T and includes the following sections:

- [Supported Hardware Platforms, page 2](#)
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Supported Hardware Platforms

Cisco IOS Release 12.4T supports the following Cisco hardware platforms:

- SOHO 90 series routers¹
- Cisco VG202 and Cisco VG204 analog voice gateways³
- Cisco VG224 analog gateways
- Cisco VGD-1T3 series voice gateways⁵
- Cisco secure router 500 series⁷
- Cisco UC520⁹
- Cisco 800 series routers¹¹
- Cisco 1700 series routers¹³
- Cisco 1800 series routers (fixed configuration and modular)¹⁵
- Cisco 1805 cable routers¹⁷
- Cisco IAD2430 series¹⁹
- Cisco 2600XM series and Cisco 2691 modular access routers²¹
- Cisco 2800 series routers
- Cisco 3200 series mobile access routers
- Cisco 3600 series routers²
- Cisco 3700 series routers⁴
- Cisco 3800 series routers
- Cisco AS5350 and Cisco AS5350XM universal gateways⁶
- Cisco AS5400, Cisco AS5400HPX, and Cisco AS5400XM universal gateways⁸
- Cisco AS5850, AS5850-ERSC universal gateways¹⁰
- Cisco Catalyst 6000/Cisco 7600 MWAM¹²
- Cisco Catalyst 6000-CMM and Cisco 7600-CMM¹⁴
- Cisco 7000 series routers¹⁶
- Cisco 7600 SAMI¹⁸
- Cisco IGX 8400 series URM²⁰
- Cisco 8850 RPM-XF²²
- Cisco signaling link terminals

1. The Cisco SOHO 91 and Cisco SOHO 96 series routers are not supported in Cisco IOS Release 12.4(6)T and later releases. The SOHO 97 series is not supported in Cisco IOS Release 12.4(20)T and later releases.
2. The Cisco 3600 series routers are not supported in Cisco IOS Release 12.4(20)T and later releases.

3. The Cisco VG202 and Cisco VG204 analog voice gateways are supported in Cisco IOS 12.4(22)T and later releases.
4. The Cisco 3700 series routers are not supported in Cisco IOS Release 12.4(20)T and later releases.
5. The Cisco VGD-1T3 series voice gateway is supported in Cisco IOS Release 12.4(22)T and later releases.
6. The Cisco AS5350 universal gateway is not supported in Cisco IOS Release 12.4(20)T and later releases.
7. The secure router 500 series is supported in Cisco IOS Release 12.4(20)T and later releases.
8. The Cisco AS5400 and Cisco AS5400HPX universal gateways are not supported in Cisco IOS Release 12.4(20)T and later releases.
9. The Cisco UC520 is supported in Cisco IOS Release 12.4(20)T and later releases.
10. The Cisco AS5850 and Cisco AS5850-ERSC gateways are not supported in 12.4(20)T and later releases.
11. The Cisco 815 router is supported in Cisco IOS Release 12.4(11)T and Release 12.4(15)T. The Cisco 830 and Cisco 850 series routers are not supported in Cisco IOS Release 12.4(20)T and later releases. The Cisco 861, Cisco 881 series and Cisco 888 series routers are supported in Cisco IOS Release 12.4(20)T and later releases. Cisco 887 series routers are supported in Cisco IOS Release 12.4(24)T.
12. The Cisco Catalyst 6000/Cisco 7600 MWAM is not supported in Cisco IOS Release 12.4(15)T1 and later releases.
13. The Cisco 1700 series routers are not supported in Cisco IOS Release 12.4(20)T and later releases.
14. The Cisco CAT6000-CMM and Cisco 7600-CMM are not supported in Cisco IOS Release 12.4(20)T and later releases.
15. The Cisco 1861 router is supported in Cisco IOS Release 12.4(20)T and later releases.
16. The Cisco 7200-NPE-G2 is supported in Cisco IOS Release 12.4(11)T. The Cisco 7201 router is supported in Cisco IOS Release 12.4(15)T. The Cisco 7000 series routers are not supported in Cisco IOS Release 12.4(15)T but are supported again in Cisco IOS Release 12.4(15)T1 except for the Cisco 7200 series router. The Cisco 7400 series routers are not supported in Cisco IOS Release 12.4(20)T and later releases.
17. The Cisco 1805 cable router is supported in Cisco IOS Release 12.4(20)T and later releases.
18. The Cisco 7600-SAMI is supported in Cisco IOS Release 12.4(22)T and later releases.
19. The Cisco IAD2435 is supported in Cisco IOS Release 12.4(22)T and later releases.
20. The Cisco IGX 8400 series URM is not supported in Cisco IOS Release 12.4(4)T and later releases.
21. The Cisco 2600XM series routers and Cisco 2691 router are not supported in Cisco IOS Release 12.4(20)T and later releases.
22. The Cisco 8850 RPM-XF images are not supported in Cisco IOS Release 12.4(11)T and Release 12.4(15)T but are supported again in Cisco IOS Release 12.4(15)T1 and later releases.

For detailed descriptions of the new hardware features, see the [“New and Changed Information” section on page 101](#).

Determining Your Software Version

To determine the version of Cisco IOS software that is 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) 12.4T Software (c2430-is-mz), Version 12.4(22)T, 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/en/US/products/sw/iosswrel/ps1834/products_tech_note09186a00800fb9d9.shtml

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

- Cisco 800 Series Routers
http://www.cisco.com/en/US/products/hw/routers/ps380/tsd_products_support_install_and_upgrade.html
- Cisco 1800 Series Routers (fixed configuration and modular)
http://www.cisco.com/en/US/products/ps5853/tsd_products_support_install_and_upgrade.html
- Cisco IAD2430 Integrated Access Device
http://www.cisco.com/en/US/docs/routers/access/iad2400/2430/software/configuration/guide/sw_conf.html
- Cisco 2600 Series Multiservice Platforms
http://www.cisco.com/en/US/partner/products/hw/routers/ps259/tsd_products_support_install_and_upgrade.html
- Cisco 3200 Series Mobile Access Routers
http://www.cisco.com/en/US/products/hw/routers/ps272/tsd_products_support_install_and_upgrade.html
- Cisco 3600 Series Multiservice Platforms
http://www.cisco.com/en/US/partner/products/hw/routers/ps274/tsd_products_support_install_and_upgrade.html
- Cisco 3700 Series Multiservice Access Routers
http://www.cisco.com/en/US/partner/products/hw/routers/ps282/tsd_products_support_install_and_upgrade.html
- Cisco 3800 Series Integrated Services Routers
http://www.cisco.com/en/US/partner/products/ps5855/tsd_products_support_install_and_upgrade.html
- Cisco AS5350 Series Universal Gateways
http://www.cisco.com/en/US/products/hw/univgate/ps505/products_tech_note09186a00800949f4.shtml
- Cisco AS5400 Series Universal Gateways
http://www.cisco.com/en/US/products/hw/univgate/ps505/products_tech_note09186a00800949f4.shtml
- Cisco AS5850 Series Universal Gateways
http://www.cisco.com/en/US/products/hw/univgate/ps509/tsd_products_support_install_and_upgrade.html
- Cisco Catalyst 6500/Cisco 7600 Communication Media Module
http://www.cisco.com/en/US/products/hw/switches/ps708/prod_installation_guides_list.html

- Cisco 7200 Series, 7300 Series, 7400 Series, and 7500 Series Routers

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

For *Cisco IOS Upgrade Ordering Instructions*, refer to the document at the following location:

<http://www.cisco.com/public/sw-center/index.shtml>

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.

