



Release Notes for the SOHO 70 Series Routers for Cisco IOS Release 12.2(4)YG

May 28, 2002

These release notes for the SOHO 70 Series Routers describe the enhancements provided in Cisco IOS Release 12.2(4)YG. These release notes are updated as needed. Use these release notes with *Cross-Platform Release Notes for Cisco IOS Release 12.2 T* located on Cisco.com and the Documentation CD.

For a list of the software caveats that apply to Cisco IOS Release 12.2(4)YG, see the “[Caveats](#)” section on [page 4](#) and *Caveats for Cisco IOS Release 12.2 T*. The caveats document is updated for every maintenance release and is located on Cisco.com and the Documentation CD.

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System Requirements

This section describes the system requirements for Release 12.2(4)YG and includes the following sections:

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Memory Requirements

[Table 1](#) provides the memory requirements for the Cisco IOS feature sets supported by Cisco IOS Release 12.2(4)YG on the SOHO 76, SOHO 77, and SOHO 77H routers.

Table 1 Recommended Memory for the SOHO 76, SOHO 77, and SOHO 77H Routers

Platform	Image Name	Feature Set	Image	Flash Memory	DRAM Memory	Runs from
SOHO 76, SOHO 77, and SOHO 77H Routers	Cisco SOHO 70 Series IOS IP FW	IP FW	soho70-oy1-mz	8 MB	16 MB	RAM
	Cisco SOHO 70 Series IOS IP	IP	soho70-y1-mz	8 MB	16 MB	RAM

Hardware Supported

Cisco IOS Release 12.2(4)YG supports the following Cisco routers:

- SOHO 70 series routers:
 - SOHO 76 Routers
 - SOHO 77 Routers
 - SOHO 77H Routers

For descriptions of SOHO 70 series router hardware features and supported modules, see the hardware installation guides, configuration and command reference guides, and additional documents specific to SOHO 70 Series Routers, which are available on Cisco.com and the Documentation CD at the following location:

http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/index.htm

This URL is subject to change without notice. If it changes, point your web browser to Cisco.com, and click the following path:

Cisco Product Documentation: Access Servers and Access Routers: Fixed Configuration Access Routers: Cisco SOHO Series Routers

Determining the Software Version

To determine the version of Cisco IOS software running on your Cisco router, log in to the router and enter the **show version** EXEC command. The following sample displays command output from a SOHO 76 router running Release 12.2(4)YG:

```
Router> show version
Cisco Internetwork Operating System Software
IOS (tm) SOHO76 Software (soho70-oy1-mz), Version 12.2(4)YG, EARLY DEPLOYMENT RELEASE SOFTWARE
Synched to technology version 12.2(5.4)T
```

Upgrading to a New Software Release

For general information about upgrading to a new software release, see [Software Installation and Upgrade Procedures](#) located at: http://www.cisco.com/warp/public/130/upgrade_index.shtml.

Feature Sets

The Cisco IOS software is packaged in feature sets consisting of software images—depending on the platform. Each feature set contains a specific set of Cisco IOS features. Release 12.2(4)YG supports the same announced feature sets as Releases 12.2(4)T, but Release 12.2(4)YG includes the IP Firewall image and optimizes memory for the SOHO 70 Series Routers. Since Release 12.2(4)YG contains no new features or functionality, a feature-to-image-mapping table is not included in these Cisco IOS release notes. For a list of the images included in Release 12.2(4)YG, see the [“Memory Requirements” section on page 2](#).

New and Changed Information

Release 12.2(4)YG contains no new features or functionality. The soho70-y1-mz and soho70-oy1-mz images provide optimized memory for the SOHO 70 Series Routers.

For information regarding the features supported in Cisco IOS Release 12.2(4)T, refer to the Cross-Platform Release Notes and New Feature Documentation links at the following location on Cisco.com and the Documentation CD:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios122/index.htm>

This URL is subject to change without notice. If it changes, point your web browser to Cisco.com, and click on the following path:

Service & Support: Technical Documents: Release 12.2 (from the **Cisco IOS Software** drop-down list)

Important Notes

Several virtual private dial-up network (VPDN) configuration, show, and debug commands that run from EXEC mode are no longer necessary for Point-to-Point Protocol over Ethernet (PPPoE). These commands are removed from the software and the show and debug commands are replaced by new commands as listed below:

- The following commands are no longer necessary for configuring a PPPoE client on the router:
 - **vpdn enable**
 - **vpdn group number**
- The command **clear pppoe** command replaces the command **clear vpdn tunnel pppoe**.
- The following VPDN show commands do not work for PPPoE client sessions and are replaced by the command **show pppoe session**:
 - **show vpdn tunnel**
 - **show vpdn session**
 - **show vpdn**
- The following VPDN debug commands do not work for PPPoE client sessions and are replaced by the command **debug pppoe**:
 - **debug vpdn pppoe-event**
 - **debug vpdn pppoe-error**
 - **debug vpdn pppoe-packet**
 - **debug vpdn pppoe-data**

For configuration information, see the *Configuration Note for the Cisco SOHO 76 and SOHO 77 Routers* publication at the following location on Cisco.com and the Documentation CD-ROM:

http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/soho/sciront.htm

This URL is subject to change without notice. If it changes, point your web browser to Cisco.com and click on the following path:

Product Documentation: Fixed Configuration Access Routers (under Access Servers & Routers):
Cisco SOHO Series Routers: Configuration Note for the Cisco SOHO 77 Routers

Caveats

Caveats describe unexpected behavior in Cisco IOS software releases. Severity 1 caveats are the most serious caveats, severity 2 caveats are less serious, and severity 3 caveats are the least serious of these three severity levels.

Caveats in Cisco IOS Releases 12.2 and 12.2 T are also in Cisco IOS Release 12.2(4)YG. For information on caveats in Cisco IOS Release 12.2, see *Caveats for Cisco IOS Release 12.2*. For information on caveats in Cisco IOS Release 12.2 T, see *Caveats for Cisco IOS Release 12.2 T*. These two documents list severity 1 and 2 caveats and are located on [Cisco.com](http://www.cisco.com) and the Documentation CD.

**Note**

If you have an account with Cisco.com, you can also use the Bug Toolkit to find select caveats of any severity. To reach the Bug Toolkit, log in to Cisco.com and click **Service & Support: Technical Assistance Center: Tool Index: Bug Toolkit**. Another option is to go to http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl.

Caveats for Release 12.2(4)YG

This section describes possibly unexpected behavior by Release 12.2(4)YG. Only severity 1 through 3 caveats are included.

Miscellaneous

CSCdu00267

When checking the firewall audit for TFTP, the TFTP data session responder log for the number of bytes transferred is not shown correctly. Note that the feature works—only logging is affected.

CSCdx52642

When PPPoE dial on demand is configured, a SOHO 76 or SOHO 77 router unexpectedly reloads while trying to remove the dialer interface from dialer pool 1.

CSCdx53134

The OAMF5 Segment CC feature does not work on SOHO 76 or SOHO 77 routers. Although the command seems to be accepted, it does not appear in the running configuration. No segment CC cells are sent and no debug output is displayed. When enabling segment CC on a peer, the router unexpectedly reloads after receiving the CC cell.

CSCdx66954

When you configure OAM loopback on a Cisco router using the command **oam-pvc manage**, the PVC goes down after receiving AIS/RDI cells from the peer, but does not come up again after receiving OAM loopback cells. To work around this problem and make the PVC come up, for the ATM interface enter the command **shutdown** followed by the command **no shutdown**.

Related Documentation

The following sections describe the documentation available for the SOHO 70 series routers. Typically, these documents consist of hardware and software installation guides, Cisco IOS configuration and command references, system error messages, feature modules, and other documents. Documentation is available as printed manuals or electronic documents, except for feature modules and the Cisco IOS release notes, which are available online on Cisco.com and the Documentation CD.

Release-Specific Documents

The following documents are specific to Release 12.2 and apply to Release 12.2(4)YG. They are located on Cisco.com and the Documentation CD (under the heading **Service & Support**):

- To reach the *Release Notes for the SOHO 70 Series Routers for Cisco IOS Release 12.2(4)YG*, click this path:

Technical Documents: Cisco IOS Software: Release 12.2: Release Notes: SOHO 70 Series Routers: SOHO 70 Series - Release Notes for Release 12.2(4)YG

- To reach the *Cross-Platform Release Notes for Cisco IOS Release 12.2 T*, click this path:

Technical Documents: Cisco IOS Software: Release 12.2: Release Notes: Cisco IOS Release 12.2 T

- To reach product bulletins, field notices, and other release-specific documents, click this path:

Technical Documents: Product Bulletins

- The *Caveats for Cisco IOS Release 12.2* and *Caveats for Cisco IOS Release 12.2 T* documents contain caveats applicable to all platforms for all maintenance releases of Release 12.2. To reach the caveats documents, click this path:

Technical Documents: Cisco IOS Software: Release 12.2: Caveats



Note

If you have an account with Cisco.com, you can also use the Bug Toolkit to find select caveats of any severity. To reach the Bug Toolkit, log in to Cisco.com and click **Service & Support: Technical Assistance Center: Tool Index: Bug Toolkit**. Another option is to go to http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl.

Platform-Specific Documents

Hardware installation guides, configuration and command reference guides, and additional documents are available for the SOHO 70 series routers on Cisco.com and the Documentation CD.

SOHO 70 Series Routers

Documentation specific to the SOHO 70 Series Routers is available at the following location:

http://www.cisco.com/univercd/cc/td/doc/product/access/acs_fix/soho/index.htm

This URL is subject to change without notice. If it changes, point your web browser to Cisco.com or the Documentation CD, and click the following path:

Cisco Product Documentation: Access Servers and Access Routers: Fixed Configuration Access Routers: Cisco SOHO Series Routers

Software Configuration

The document *Cisco Router Web Setup User Guide* is available for the SOHO 70 series routers at the following location:

<http://www.cisco.com/univercd/cc/td/doc/clckstr/crws/ugcrws30.htm>

This URL is subject to change without notice. If it changes, point your web browser to Cisco.com or the Documentation CD, and click the following path:

Technical Documents: Router Configuration Tools: Cisco Router Web Setup

Obtaining Documentation and Technical Assistance

The *Cross-Platform Release Notes for Cisco IOS Release 12.2 T* contains the latest descriptions and locations of the following sources for obtaining documentation and technical assistance from Cisco Systems. See the section “[Release-Specific Documents](#)” for the location of the *Cross-Platform Release Notes for Cisco IOS Release 12.2 T*.

Additional sources of documentation and technical assistance are listed below:

- World Wide Web, Cisco.com—Cisco Systems website: <http://www.cisco.com>.
- Documentation CD—Cisco documentation and additional literature are available in a CD package, which ships with your product.
- Ordering documentation—Methods for ordering documentation include Networking Products MarketPlace, the online Subscription Store, and calling a local account representative using the Cisco corporate headquarters or North America phone numbers.
- Documentation feedback—When using the World Wide Web, you can submit technical comments electronically. You can also send e-mail, mail in the response card that is behind the front cover of many documents, or send correspondence to Cisco Systems. We appreciate your comments.
- Technical Assistance Center (TAC)—The Cisco TAC website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract. You can contact the TAC using Cisco.com or by phone. Toll-free numbers are available for many countries.

This document is to be used in conjunction with the documents listed in the [“Related Documentation”](#) section.

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