



Release Notes for Cisco Secure Router 500 Series with Cisco IOS Release 12.4(20)YA

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Cisco IOS Release 12.4(20)YA3
OL-19220-01 First Release

These release notes describe new features and significant software components for the Cisco Secure Router 500 series that support the Cisco IOS Release 12.4(20)YA releases. These release notes are updated as needed. Use these release notes with the [Cross-Platform Release Notes for Cisco IOS Release 12.4T and About Cisco IOS Release Notes](#).

For a list of the software caveats that apply to the Release 12.4(20)YA releases, see the “[Caveats](#)” section on [page 4](#). See also [Caveats for Cisco IOS Release 12.4\(15\)T](#). The online caveats document is updated for every maintenance release.

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System Requirements

This section describes the system requirements for Release 12.4(20)YA and includes the following sections:

- [Memory Requirements, page 2](#)
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Memory Requirements

[Table 1](#) describes the memory requirements for the Cisco IOS feature sets supported by Cisco IOS Release 12.4(20)YA on the Cisco Secure Router 500 series.

Table 1 *Required Memory for the Cisco Secure Router 500 series with Cisco IOS Release 12.4(20)YA*

Platform	Image Name	Feature Set	Image	Flash Memory (MB)	DRAM (MB)
Cisco SR520	Cisco SR520 Advanced IP Services	Advanced IP Services	sr520-advipservicesk9-mz	32	128

Hardware Supported

Cisco IOS Release 12.4(20)YA supports the following Cisco Secure Router 500 series routers:

- Cisco SR520 Ethernet-to-Ethernet Routers
 - SR520-FE-K9: Cisco Secure Router 520 Ethernet-to-Ethernet
 - SR520W-FE-K9: Cisco Secure Router 520 Ethernet-to-Ethernet Wireless
- Cisco SR520 ADSL-over-POTS Routers
 - SR520-ADSL-K9: Cisco Secure Router 520 ADSL-over-POTS
 - SR520W-ADSL-K9: Cisco Secure Router 520 ADSL-over-POTS Wireless
- Cisco SR520 ADSL-over-ISDN Routers
 - SR520-ADSLI-K9: Cisco Secure Router 520 ADSL-over-ISDN
 - SR520W-ADSLI-K9: Cisco Secure Router 520 ADSL-over-ISDN Wireless

The wireless router versions support 802.11 b/g WiFi with single antenna.

For descriptions of existing hardware features and supported modules, see the hardware installation guides, configuration and command reference guides, and additional documents specific to the Cisco Secure Router 500 series routers, which are available at:

http://www.cisco.com/en/US/products/ps9305/tsd_products_support_series_home.html

Determining the Software Version

To determine the version of Cisco IOS software currently running on your Cisco Secure Router 500 Series router, see *About Cisco IOS Release Notes* located at http://www.cisco.com/en/US/docs/ios/12_4/12_4x/12_4xy15/ReleaseNote.html

Upgrading to a New Software Release

For general information about upgrading to a new software release, see *About Cisco IOS Release Notes* located at http://www.cisco.com/en/US/docs/ios/12_4/12_4x/12_4xy15/ReleaseNote.html

Feature Set Tables

For information about Feature Set tables, see *About Cisco IOS Release Notes* located at http://www.cisco.com/en/US/docs/ios/12_4/12_4x/12_4xy15/ReleaseNote.html.

New and Changed Information

This section contains the following information:

- [New Hardware Features in Cisco IOS Release 12.4\(20\)YA3, page 3](#)
- [New Software Features in Cisco IOS Release 12.4\(20\)YA3, page 3](#)

New Hardware Features in Cisco IOS Release 12.4(20)YA3

There are no new hardware features in this release.

New Software Features in Cisco IOS Release 12.4(20)YA3

There are no new software features in this release.

New Features in Release 12.4T

For information regarding the features supported in Cisco IOS Release 12.4T, see the Cross-Platform Release Notes links at:

http://www.cisco.com/en/US/products/ps6441/prod_release_notes_list.html

Caveats

For general information on caveats and the bug toolkit, see *About Cisco IOS Release Notes* located at http://www.cisco.com/en/US/docs/ios/12_4/12_4x/12_4xy15/ReleaseNote.html.

This section contains the following caveat information:

- [Open Caveats - Release 12.4\(20\)YA3, page 4](#)
- [Resolved Caveats - Release 12.4\(20\)YA3, page 4](#)

Open Caveats - Release 12.4(20)YA3

There are no open caveats in this release.

Resolved Caveats - Release 12.4(20)YA3

CSCsu84868 c3845: Error mesg %SYS-2-BADSHARE: Bad refcount in datagram_done.

Symptom Cisco 3845 experiences traceback error:

```
Aug 14 12:34:55.960: %SYS-2-BADSHARE: Bad refcount in datagram_done, ptr=7006C010,
count=0, -Traceback= 0x61816650 0x60641BD0 0x60C27A80 Aug 17 16:51:45.739:
%SYS-2-BADSHARE: Bad refcount in datagram_done, ptr=705985A4, count=0, -Traceback=
0x61816650 0x60641BD0 0x60C27A80
```

Conditions The error message occurs on a router running the c3845-adventerprisek9_ivs_li-mz.124-15.T5 image.

Workaround None.

CSCsy22826 VG224 sending incorrect ssType in 1+ node CUCM cluster.

Symptom VG224 endpoint does not connect to callback destination, once the callback destination is idle.

Conditions Multi node cluster and VG224 endpoint is registered with node other than the first node in the cluster.

Workaround Have VG224 endpoints registered with first node.

Further Problem Description: The activation of the callback is successful. What fails is when the callback destination becomes idle again and the VG224 endpoint gets notified (ring). After the VG224 endpoint goes offhook, the system should automatically connect to the Callback destination. This does not happen and VG224 endpoint gets silence.

Additional References

Use this release note with the documents and websites in this release note and the documents listed in the following sections:

- [Release-Specific Documents](#)
- [Platform-Specific Documents](#)

Release-Specific Documents

The following documents are specific to Release 12.4 and apply to Release 12.4(20)YA.

- [Cross-Platform Release Notes for Cisco IOS Release 12.4T](#)
- [Cisco IOS Software Releases 12.4 Special and Early Deployments](#)
- [Caveats for Cisco IOS Release 12.4\(20\)T](#)

Platform-Specific Documents

Hardware installation guides, configuration and command reference guides, and additional documents specific to the Cisco Secure Router 500 Series routers are available at:

http://www.cisco.com/en/US/products/ps9305/tsd_products_support_series_home.html

Cisco IOS Software Documentation Set

The Cisco IOS software documentation set consists of the Cisco IOS configuration guides, Cisco IOS command references, and several other supporting documents.

Documentation Modules

Each module in the Cisco IOS documentation set consists of one or more configuration guides and one or more corresponding command references. Chapters in a configuration guide describe protocols, configuration tasks, and Cisco IOS software functionality, and contain comprehensive configuration examples. Chapters in a command reference provide complete command syntax information. Use each configuration guide with its corresponding command reference. [Cisco IOS Software Documentation](#) is available in html or pdf form.

Select your release and click the command references, configuration guides, or any other Cisco IOS documentation you need.

Notices

See the “[Notices](#)” section in *About Cisco IOS Release Notes* located at:
http://www.cisco.com/en/US/docs/ios/12_4/12_4x/12_4xy15/ReleaseNote.html.

Use this document in conjunction with the documents listed in the [“Additional References”](#) section.

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