



Release Notes for Cisco 800 Series Integrated Services Routers with Cisco IOS Release 12.4(20)YA

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These release notes describe new features and significant software components for the Cisco 800 series Integrated Services Routers (ISRs) that support Cisco IOS Release 12.4(20)YA. 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](#), and see the online [Caveats for Cisco IOS Release 12.4\(15\)T](#) document. The caveats document is updated for every 12.4T maintenance release.

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System Requirements

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

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Memory Requirements

lists the memory requirements for the Cisco IOS feature sets that are supported by Cisco IOS Release 12.4(20)YA on the Cisco 800 series routers.

Memory Requirements for the Cisco 880 Series ISRs

Platform	Feature Sets	Image Name	Flash (MB)	DRAM (MB)
Cisco 860	Advsecurityk9	c860-universalk9-mz	128	256
Cisco 880 Data	Advsecurityk9, Advipservicesk9	c880data-universalk9-mz	128	256
Cisco 851, Cisco 857	Cisco 850 Series IOS Advanced Security	c850-advsecurityk9-mz	20	64
Cisco 861	Cisco 860 Series IOS Universal	c860-universalk9-mz	128	256
Cisco 871, Cisco 876, Cisco 877, Cisco 878	Cisco 870 Series IOS Advanced IP Services	c870-advipservicesk9-mz	24	128
	Cisco 870 Series IOS Advanced Security	c870-advsecurityk9-mz	24	128
Cisco 881 Cisco 888	Cisco 880 Series IOS Universal Data	c880data-universalk9-mz	128	256

Hardware Supported

Cisco IOS Release 12.4(20)YA supports the following routers:

- Cisco 851
- Cisco 857
- Cisco 861
- Cisco 876
- Cisco 871
- Cisco 877
- Cisco 878
- Cisco 881
- Cisco 888

For detailed descriptions of new hardware features and which features are supported on each router, see the “[New and Changed Information](#)” section on page 3.

Determining the Software Version

To determine the version of Cisco IOS software currently running on your Cisco 800 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

- [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 4
- [New Features in Release 12.4T](#), page 4

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

Embedded Access Point HTML GUI

The Cisco 800 Series ISRs provide HTML GUI access and configuration for the wireless device. First, establish a wireless configuration session to the access wireless device, and then you can access the HTML GUI through a browser using the IP address of the BVI interface. This HTML GUI is based on Cisco Aironet 1250 Access Point's GUI and reflects the same features and functionality. Differences in feature support are noted below:

- Repeater mode is not supported, therefore 'Repeater' has been removed from the GUI.
- WLSE is not supported, therefore the appearance of 'SWAN architecture' on the Wireless Services page, under 'AP' config is removed from the GUI.
- The GigabitEthernet0 interface is internal and can not be shut down, therefore the 'shut down' option for the GigabitEthernet0 interface is removed from the GUI.



Note

There is an exception with the 'External Antenna Configuration' settings. The Cisco 800 series ISRs have fixed antennas, however the enable option for 'External Antenna Configuration' remains in the GUI, so no action will occur if this option is chosen.

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 5](#)

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.

Limitations and Restrictions

There are no known limitations or restrictions in this release.

Additional References

Use this release note with the documents and websites in this release note and the documents listed in the section [Release-Specific Documents, page 6](#).

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 12.4\)T](#)
- [Cisco IOS Software Releases 12.4 Special and Early Deployments](#)
- [Caveats for Cisco IOS Release 12.4\(15\)T](#)

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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