

Release Notes for Cisco IOS Release 15.6S

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Release: Cisco IOS Release 15.6(1)S4

Part Number: 0L-30834-08

Introduction

These release notes support Cisco IOS Release 15.6S up to and including Cisco IOS Release 15.6(1)S4 and are updated as needed to describe new features, bugs, and related documents. Cisco IOS Release 15.6S supports platforms within the following Cisco series:

- Cisco 7600 series routers
- Cisco ASR 901 router
- Cisco ASR 901 10G router
- Cisco ASR 901 S router
- Cisco ME 3600X switch
- Cisco ME 3600-24CX switch
- Cisco ME 3800X switch



System Requirements

This document describes the system requirements for Cisco IOS 15.6S releases and includes the following sections:

- Feature Support, page 3
- Memory Recommendations, page 5
- Supported Hardware, page 5
- Determining the Software Version, page 6
- Upgrading to a New Software Release, page 6

Feature Support

Cisco IOS software is packaged in feature sets that consist of software images that support specific platforms. The feature sets available for a specific platform depend on which Cisco IOS software images are included in a release. Each feature set contains specific Cisco IOS features.



Cisco IOS images with strong encryption (including, but not limited to 168-bit [3DES] data encryption feature sets) are subject to U.S. government export controls and have limited distribution. Strong encryption images to be installed outside the United States are likely to require an export license. Customer orders may be denied or subject to delay because of U.S. government regulations. When applicable, the purchaser/user must obtain local import and use authorizations for all encryption strengths. Please contact your sales representative or distributor for more information, or send an e-mail to export@cisco.com.

Feature-to-image mapping is available through 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). 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:

www.cisco.com/go/cfn

For help with Cisco Feature Navigator, see the help information at the following URL:

http://www.cisco.com/web/applicat/CFNTOOLS/Help_Docs/help/cfn_support.html

Determining the Software Images (Feature Sets) That Support a Specific Feature

To determine which software images (feature sets) in a Cisco IOS release support a specific feature, go to the Cisco Feature Navigator home page and perform the following steps.

- **Step 1** From the Cisco Feature Navigator home page, click **Research Features**.
- **Step 2** Select your software type or leave the field as "All".

- Step 3 To find a feature, you can search by either Feature or Technology (select the appropriate button). If you select Search by Feature, you can further filter your search by using the Filter By text box.
- Step 4 Choose a feature from the Available Features text box, and click the **Add** button to add the feature to the Selected Features text box.



To learn more about a feature in the list, click the **View Desc** button in the Available Features text box.

Repeat this step to add features. A maximum of 20 features can be chosen for a single search.

- **Step 5** Click **Continue** when you are finished choosing features.
- **Step 6** In the Release/Platform Tree area, select either your release (from the Train-Release list) or your platform (from the Platform list).
- **Step 7** The "Search Result" table will list all the software images (feature sets) that support the features that you chose.



You can download your results into an Excel spreadsheet by clicking on the Download Excel button.

Determining the Features Supported in a Specific Software Image (Feature Set)

To determine which features are supported in a specific software image (feature set), go to the Cisco Feature Navigator home page and perform the following steps.

- **Step 1** From the Cisco Feature Navigator home page, click **Research Software**.
- Step 2 Select your software type from the drop-down list and chose the Release button in the "Search By" area.
- **Step 3** From the Major Release drop-down list, chose the appropriate major release.
- **Step 4** From the Release drop-down list, choose the appropriate maintenance release.
- **Step 5** From the Platform drop-down list, choose the appropriate hardware platform.
- **Step 6** From the Feature Set drop-down list, choose the appropriate feature set. The Image Details area will provide details on the specific image. The Available Features area will list all the features that are supported by the feature set (software image) that you chose.



To learn more about a feature in the list, click the **View Desc** button in the Available Features text box.

Memory Recommendations

To determine memory recommendations for software images (feature sets) in your Cisco IOS release, go to the Cisco Feature Navigator home page and perform the following steps.

- **Step 1** From the Cisco Feature Navigator home page, click **Research Software**.
- **Step 2** Select your software type from the drop-down list and choose the **Release** button in the "Search By" area.
- **Step 3** From the Major Release drop-down list, choose the appropriate major release.
- **Step 4** From the Release drop-down list, choose the appropriate maintenance release.
- **Step 5** From the Platform drop-down list, choose the appropriate hardware platform.
- **Step 6** From the Feature Set drop-down list, choose the appropriate feature set.
- **Step 7** The Image Details area will provide details on the specific image including the DRAM and flash memory recommendations for each image. The Available Features area will list all the features that are supported by the feature set (software image) that you chose.

Supported Hardware

Cisco IOS Release 15.5S supports the following platforms, including the following models and supervisor engines:

- Cisco 7600 series routers
- Cisco ASR 901 router
- Cisco ASR 901 10G router
- Cisco ME 3600X switch
- Cisco ME 3600X-24CX switch
- Cisco ME 3800X switch

Cisco 7600 Series Routers

For extensive information about all supported hardware for Cisco 7600 series routers, see the *Guide to Supported Hardware for Cisco 7600 Series Routers with Cisco IOS Release 15S*:

http://www.cisco.com/en/US/docs/routers/7600/Hardware/15_0s/7600_hwd.html

Cisco ASR 901 Router

For detailed information about the Cisco ASR 901 router, see the documents at the following location: http://www.cisco.com/c/en/us/support/routers/asr-901-series-aggregation-services-routers/tsd-products-support-series-home.html

Cisco ASR 901 10G Router

For detailed information about the Cisco ASR 901 10G router, see the documents at the following location:

http://www.cisco.com/c/en/us/support/routers/asr-901-10g-series-aggregation-services-routers/tsd-products-support-series-home.html

Cisco ME 3600X Switch and ME 3800X Switch

For detailed information about the Cisco ME 3600X switch, see the documents at the following location:

http://www.cisco.com/c/en/us/products/switches/me-3600x-series-ethernet-access-switches/index.html

For detailed information about the Cisco ME 3800X switch, see the documents at the following location:

http://www.cisco.com/c/en/us/products/switches/me-3800x-series-carrier-ethernet-switch-routers/index.html

See the Cisco ME 3800X and ME 3600X Switch Hardware Installation Guide at http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/hardware/installation/guide/me3800x_hig.html

Cisco ME 3600X-24CX Switch

For detailed information about the Cisco ME 3600X-24CX switch, see the document at the following location:

 $http://www.cisco.com/c/en/us/products/collateral/switches/me-3600x-series-ethernet-access-switches/data_sheet_c78-708663.html$

Determining the Software Version

To determine the version of Cisco IOS software that is running on your Cisco router, log in to the router and enter the **show version** EXEC command:

Router# show version

Cisco IOS Software, s72033_rp Software (s72033_rp-ADVENTERPRISEK9_WBX_WAN-M), Version 15.6(1)S, EARLY DEPLOYMENT RELEASE SOFTWARE

Upgrading to a New Software Release

For information about choosing a new Cisco IOS software release, see *How to Choose a Cisco IOS Software Release* at the following location:

 $http://www.cisco.com/en/US/products/sw/iosswrel/ps1834/products_tech_note09186a00800fb9d9.shtml$

For information about upgrading the Cisco 7600 series routers, go to the following location:

http://www.cisco.com/c/en/us/support/routers/7600-series-routers/tsd-products-support-install-and-upg rade.html

For information about upgrading the Cisco ASR 901 router, go to the following location:

http://www.cisco.com/c/en/us/support/routers/asr-901-series-aggregation-services-routers/products-ins tallation-guides-list.html

For information about upgrading the Cisco ME 3600X switch, go to the following location:

 $http://www.cisco.com/c/en/us/support/switches/me-3600x-series-ethernet-access-switches/tsd-product\\s-support-install-and-upgrade.html$

For information about upgrading the Cisco ME 3600X-24CX switch, go to the following location:

http://www.cisco.com/c/en/us/support/switches/me-3600x-series-ethernet-access-switches/products-installation-guides-list.html

For information about upgrading the Cisco ME 3800X switch, go to the following location:

http://www.cisco.com/c/en/us/support/switches/me-3800x-series-carrier-ethernet-switch-routers/tsd-products-support-install-and-upgrade.html

Use Cisco Feature Navigator to find information about platform support and software image support. Cisco Feature Navigator enables you to determine which Cisco IOS software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to http://www.cisco.com/go/cfn. An account on Cisco.com is not required.

Upgrading to a New Software Release

Limitations and Restrictions

This chapter describes limitations and restrictions in Cisco IOS 15.6S releases.

• Limitations and Restrictions in Cisco IOS Release 15.6S, page 9

Limitations and Restrictions in Cisco IOS Release 15.6S

There are no new limitations and restrictions in Cisco IOS Release 15.6(1)S.

Limitations and Restrictions in Cisco IOS Release 15.6S





New Features and Important Notes

Features and Important Notes for Cisco IOS Release 15.6(2)S

These release notes describe the following topics:

- New Hardware Features in Cisco IOS Release 15.6(2)S, page 13
- New Software Features in Cisco IOS Release 15.6(2)S, page 13
- New Hardware and Software Features supported on Cisco 7600 Series Routers in Cisco IOS Release 15.6(2)S, page 13
- New Hardware and Software Features supported on Cisco ASR 901 Series Routers in Cisco IOS Release 15.6(2)S, page 13
- New Hardware and Software Features supported on Cisco ASR 901 S Series Routers in Cisco IOS Release 15.6(2)S, page 13
- New Hardware and Software Features supported on Cisco ME 3600x Ethernet Access Switches in Cisco IOS Release 15.6(2)S, page 14
- MIBs, page 14
- Important Notes, page 14

New Hardware Features in Cisco IOS Release 15.6(2)S

There are no new hardware features in Cisco IOS Release 15.6(2)S.

New Software Features in Cisco IOS Release 15.6(2)S

There are no new software features in Cisco IOS Release 15.6(2)S.

New Hardware and Software Features supported on Cisco 7600 Series Routers in Cisco IOS Release 15.6(2)S

For detailed information about hardware and software features supported on Cisco 7600 Series Routers in Cisco IOS Release 15.6(2)S, see the following document:

http://www.cisco.com/c/en/us/support/routers/7600-series-routers/products-release-notes-list.html

New Hardware and Software Features supported on Cisco ASR 901 Series Routers in Cisco IOS Release 15.6(2)S

For detailed information about hardware and software features supported on Cisco ASR 901 Series Routers in Cisco IOS Release 15.6(2)S, see the following document:

http://www.cisco.com/c/en/us/support/routers/asr-901-series-aggregation-services-routers/products-rel ease-notes-list.html

New Hardware and Software Features supported on Cisco ASR 901 S Series Routers in Cisco IOS Release 15.6(2)S

For detailed information about hardware and software features supported on Cisco ASR 901 S Series Routers in Cisco IOS Release 15.6(2)S, see the following document:

http://www.cisco.com/c/en/us/support/routers/asr-901s-series-aggregation-services-routers/products-release-notes-list.html

New Hardware and Software Features supported on Cisco ME 3600x Ethernet Access Switches in Cisco IOS Release 15.6(2)S

For detailed information about hardware and software features supported on Cisco ME 3600x Ethernet Switches in Cisco IOS Release 15.6(2)S, see the following document:

http://www.cisco.com/c/en/us/support/switches/me-3600x-series-ethernet-access-switches/products-release-notes-list.html

MIBs

To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use the Cisco MIB Locator found at the following URL:

http://tools.cisco.com/ITDIT/MIBS/servlet/index

If the Cisco MIB Locator does not support the MIB information that you need, you can obtain a list of supported MIBs and download MIBs from the Cisco MIBs page at the following URL:

http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

To access the Cisco MIB Locator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank email to cco-locksmith@cisco.com. An automatic check will verify that your email address is registered with Cisco.com. If the check is successful, account details with a new random password will be emailed to you. Qualified users can establish an account on Cisco.com by following the directions found at this URL:

http://tools.cisco.com/RPF/register/register.do

Important Notes

The following sections contain important notes about Cisco IOS Release 15.6S:

• Field Notices and Bulletins, page 14

Field Notices and Bulletins

- Field Notices—Cisco recommends 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.
- Bulletins—You can find bulletins at http://www.cisco.com/en/US/products/sw/iosswrel/ps5012/prod_literature.html.

Features and Important Notes for Cisco IOS Release 15.6(1)S

These release notes describe the following topics:

- New Hardware Features in Cisco IOS Release 15.6(1)S, page 15
- New Software Features in Cisco IOS Release 15.6(1)S, page 15
- New Hardware and Software Features supported on Cisco 7600 Series Routers in Cisco IOS Release 15.6(1)S, page 15
- New Hardware and Software Features supported on Cisco ASR 901 Series Routers in Cisco IOS Release 15.6(1)S, page 15
- New Hardware and Software Features supported on Cisco ASR 901 S Series Routers in Cisco IOS Release 15.6(1)S, page 16
- New Hardware and Software Features supported on Cisco ME 3600x Ethernet Access Switches in Cisco IOS Release 15.6(1)S, page 16
- MIBs, page 16
- Important Notes, page 16

New Hardware Features in Cisco IOS Release 15.6(1)S

There are no new hardware features in Cisco IOS Release 15.6(1)S.

New Software Features in Cisco IOS Release 15.6(1)S

IOS-XE IBGP local-as dual-as

For detailed information about this feature, see the following document:

 $http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_bgp/configuration/15-s/irg-15-s-book/bgp-supp-local-as-dual-as.html$

New Hardware and Software Features supported on Cisco 7600 Series Routers in Cisco IOS Release 15.6(1)S

For detailed information about hardware and software features supported on Cisco 7600 Series Routers in Cisco IOS Release 15.6(1)S, see the following document:

http://www.cisco.com/c/en/us/support/routers/7600-series-routers/products-release-notes-list.html

New Hardware and Software Features supported on Cisco ASR 901 Series Routers in Cisco IOS Release 15.6(1)S

For detailed information about hardware and software features supported on Cisco ASR 901 Series Routers in Cisco IOS Release 15.6(1)S, see the following document:

http://www.cisco.com/c/en/us/support/routers/asr-901-series-aggregation-services-routers/products-rel ease-notes-list.html

New Hardware and Software Features supported on Cisco ASR 901 S Series Routers in Cisco IOS Release 15.6(1)S

For detailed information about hardware and software features supported on Cisco ASR 901 S Series Routers in Cisco IOS Release 15.6(1)S, see the following document:

http://www.cisco.com/c/en/us/support/routers/asr-901s-series-aggregation-services-routers/products-release-notes-list.html

New Hardware and Software Features supported on Cisco ME 3600x Ethernet Access Switches in Cisco IOS Release 15.6(1)S

For detailed information about hardware and software features supported on Cisco ME 3600x Ethernet Switches in Cisco IOS Release 15.6(1)S, see the following document:

http://www.cisco.com/c/en/us/support/switches/me-3600x-series-ethernet-access-switches/products-rel ease-notes-list.html

MIBs

To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use the Cisco MIB Locator found at the following URL:

http://tools.cisco.com/ITDIT/MIBS/servlet/index

If the Cisco MIB Locator does not support the MIB information that you need, you can obtain a list of supported MIBs and download MIBs from the Cisco MIBs page at the following URL:

http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

To access the Cisco MIB Locator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank email to cco-locksmith@cisco.com. An automatic check will verify that your email address is registered with Cisco.com. If the check is successful, account details with a new random password will be emailed to you. Qualified users can establish an account on Cisco.com by following the directions found at this URL:

http://tools.cisco.com/RPF/register/register.do

Important Notes

The following sections contain important notes about Cisco IOS Release 15.6S:

• Field Notices and Bulletins, page 16

Field Notices and Bulletins

- Field Notices—Cisco recommends 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.
- Bulletins—You can find bulletins at http://www.cisco.com/en/US/products/sw/iosswrel/ps5012/prod_literature.html.





Bugs

Bugs for Cisco IOS Release 15.6(2)S

Resolved Bugs

Bugs describe unexpected behavior in Cisco IOS software releases. Severity 1 bugs are the most serious bugs; severity 2 bugs are less serious. Severity 3 bugs are moderate bugs, and only select severity 3 bugs are included in this section.

In this section, the following information is provided for each bug:

- Symptoms—A description of what is observed when the bug occurs.
- Conditions—The conditions under which the bug has been known to occur.
- Workaround—Solutions, if available, to counteract the bug.



If you have an account on Cisco.com, you can also use the Bug Toolkit to find select bugs of any severity. To reach the Bug Toolkit, log in to Cisco.com and go to

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. (If the defect that you have requested cannot be displayed, this may be due to one or more of the following reasons: the defect number does not exist, the defect does not have a customer-visible description yet, or the defect has been marked Cisco Confidential.)

This section consists of the following subsections:

- Using the Bug Search Tool, page 19
- Open Bugs—Cisco IOS Release 15.6(2)S, page 20
- Resolved Bugs—Cisco IOS Release 15.6(2)S, page 21

Using the Bug Search Tool

The Cisco Bug Search Tool enables you to filter the bugs so that you only see those in which you are interested. In addition to being able to search for a specific bug ID, or for all bugs in a product and release, you can filter the open and/or resolved bugs by one or more of the following criteria:

- · Last modified date
- Status, such as fixed (resolved) or open
- Severity
- Support cases

For more information about how to use the Cisco Bug Search Tool, including how to set email alerts for bugs and to save bugs and searches, see Bug Search Tool Help & FAQ.



You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. if you do not have one, you can register for an account.

To use the Cisco Bug Search Tool:

1. In your browser, navigate to the Cisco Bug Search Tool.

- 2. If you are redirected to a **Log In** page, enter your registered Cisco.com username and password and then, click **Log In**.
- 3. To search for a specific bug, enter the bug ID in the Search For field and press Enter.
- **4.** To search for bugs related to a specific software release, do the following:
 - **a.** In the **Product** field, choose **Series/Model** from the drop-down list and then enter the product name in the text field. If you begin to type the product name, the Cisco Bug Search Tool provides you with a drop-down list of the top ten matches. If you do not see this product listed, continue typing to narrow the search results.
 - **b.** In the Releases field, enter the release for which you want to see bugs.

The Cisco Bug Search Tool displays a preview of the results of your search below your search criteria. You can mouse over bugs to see more content about a specific bug.

- **5.** To see more content about a specific bug, you can do the following:
 - Mouse over a bug in the preview to display a pop-up with more information about that bug.
 - Click on the hyperlinked bug headline to open a page with the detailed bug information.
- **6.** To restrict the results of a search, choose from one or more of the following filters:

Filter	Description
Modified Date	A predefined date range, such as last week or last six months.
Status	A specific type of bug, such as open or fixed.
Severity	The bug severity level as defined by Cisco. For definitions of the bug severity levels, see Bug Search Tool Help & FAQ
Rating	The rating assigned to the bug by users of the Cisco Bug Search Tool.
Support Cases	Whether a support case has been opened or not.

Your search results update when you choose a filter.

All resolved bugs for a release are available in the Cisco Bug Search Tool through the fixed bug search.

This search uses the following search criteria and filters:

Field Name	Information
Product	Series/Model Cisco IOS and NX-OS Software => Cisco IOS
Release	Example:15.6(1)S
Status	Fixed
Severity	2 or higher

Open Bugs—Cisco IOS Release 15.6(2)S

This section lists the open bugs for Cisco IOS Release 15.6(1)S1. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 1 Cisco IOS Release 15.6(2)S Open Bugs

Identifier	Description
CSCuy17457	Memory leak with changing single encapsulation to range in TEFP in RSP2
CSCux85117	ASR920: Configured Isakmp policies doesnt populate as expected.
CSCuy55402	CPU HOG and bdomain_inform_port_deletion_from_bd traceback after SSO
CSCuy44515	l2vpn failed to set the PRC code under certain conditions
CSCux33019	Router may crash when loopbacks of its LDP neighbours are flapped
CSCuy16780	onep bypass until flow action is not woking with high traffic rate
CSCuy57683	OSPF TILFA: multiple post converg path exists with TI LFA in some cases.
CSCuy32709	R-LFA Tunnels not established on setting DS required attribute
CSCuy12969	TILFA: False failure in Per-Destination-Q-Space-Check (loop free check)
CSCuy40541	TILFA: tunnels not created when primary-path required tiebreak is in cfg
CSCuy07343	AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table
CSCux62496	VMAN: Not able to copy the files or log to backup HA RSP2 bootflash

Resolved Bugs—Cisco IOS Release 15.6(2)S

This section lists the resolved bugs for Cisco IOS Release 15.6(2)S. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 2 Cisco IOS Release 15.6(2)S Resolved Bugs

Identifier	Description
CSCux26195	"aaa accounting suppress null-username" not working as expected
CSCuw37292	ASR1k: 3.13.3 crashes due to segfault caused by aaa attributes
CSCuw38000	Password complexity implementation does not match DISA requirements
CSCtj75471	crash at port lookup from stp
CSCuw59193	BRI link fails to come UP after OIR on NT + platform reload on User
CSCuv79776	Router with Pfr feature crashed at cpp_free_exmem
CSCuv61799	ASR1000 power supplies require SW debounce of PWR_OK signal
CSCuu99672	False fan module missing alarm is raised
CSCuv87030	Clock recovery fails on 1gige interfaces of ASR1000-2T+20X1GE
CSCuw47720	ASR1001-X/ISR4k Mgmt port negotation issue with peer device
CSCuv25529	Remote MEPs 611/613/711/712 not found and unsuccessfull Traceroute
CSCuv84600	Netflow packets are dropped when EPC is enabled
CSCuv83742	ICFD errors in NP5c has to be accounted in show CLIs
CSCuu35042	CSR1000v Slow VRRP Failover to a BDI interface
CSCut62449	Disable HTTP AIC support
CSCuv91545	ESP continuous crash on ASR1013 using 03.13.03.S.154-3.S3-ext.bin

Identifier	Description
CSCux50997	IOS crashes on bootup without any startup configuration
CSCuw66262	ASR1k: Memory Leak in cpp_cp_svr Process
CSCuv76019	process mgr exiting: critical process fault, cpp_cp_svr, fp_0_0, rc=134
CSCuw12883	IPSec dummy packet feature does not work in VRF-aware IPsec
CSCuw21897	Traceback seen with ip cef accounting
CSCuv12943	Add cli support to enable cepThroughputNotif trap
CSCuv52997	/32 static route added without add-route enabled for outside dynamic nat
CSCuw39613	ASR1K fails to perform NAT when flow cache entries are disabled.
CSCus85112	CGN, QFP: Show cmd display incorrect NAT trans stats for per-host IP add
CSCuw41346	ESP packets discarded during re-key with static NAT on ASR1k
CSCuw95617	QFP crash in NAT ALG after ipv4_nat_destroy_session
CSCuw70220	IOSXE PACTRAC: cpp crash when packet trace enabled for MPLS and SSLVPN
CSCuv74763	ASR 1K - SSH Hangs on "Show Logging Count" When SBC Errors Flood Console
CSCup91567	ASR1001-X boot-loops with CMCC crash and XGM MAC10 block errors
CSCuv60858	SSL-GW doesn't listen to the new IP after SSL Port and IP addr change
CSCur33588	ipv6 cef not working when using ipv6 neighbor
CSCux32083	AN autoconfigured NTP server must support lower stratum
CSCux59168	AN: autonomic [optional commands] are not available under interface mode
CSCux15053	AN: Config server address not getting removed after withdrawing service
CSCuy42632	AN: DIKE session is not getting READY after shut/no shut
CSCuw65651	AN: Router crashes after defaulting interface with AN EFP
CSCuy08030	AN: sh an int output prints Probing for AN disabled int
CSCux75878	AN: UDI getting truncated in "show autonomic registrar devices accepted"
CSCuv87599	Manually entered IKEv2 crypto profile not NVgen-ed with AN active
CSCuw51767	FlexLSP: Show BFD Neighbors Output not stopping at term length
CSCuw66752	"SSM connection manager" high CPU if VAIs under scale have QOS applied
CSCuu79021	ASR1K: Aggr GEC QoS in Suspend state even after noshut the member link
CSCux70853	ISR - 4400 crash
CSCuv66776	MQC Policy-map counters do not update in T3/E3 SPA
CSCuu37662	Unexpected Reboot during CoA Updates
CSCuu21113	[MK21]: Crash seen on Terminator upon reload with FC4 image
CSCuy12658	Unexpected behavior and errors related to downstream voice flows on cBR8
CSCuv96688	Unexpected call-home msg truncate log
CSCuv99608	uprev dev18 fixes to re117
CSCuw61375	CME software not updating xmit info and destination call id
CSCux82311	Inconsistency result for mib docsIf3RxChStatusChIfIndex

Identifier	Description
CSCux89392	remote-query polling interval through snmp didn't sync to standby PRE
CSCux18010	Cisco Networking Services Sensitive Information Disclosure Vulnerability
CSCuw37313	IPsec crash at UNIX-EXT-SIGNAL: Aborted(6), Process = NIST rng proc
CSCuv66659	CSR1KV: csr1kv stops Responding to ARP Requests
CSCux90373	CSR1000V: V156_1_S_XE317 core dumps
CSCuv86049	isr4331 and isr4351 platforms crashed during GRE performance testing
CSCuu81130	CSR1000v KVM SR-IOV IPv6 Unsuccessful Ping Traffic
CSCuv44308	Crash Seen during OVA install when using ESXi6.0
CSCuw20432	CSR interfaces shows up DHCP/TFTP for Static IP configuration
CSCuw18669	VACS Activation not working in 3.16
CSCuw58071	CSR XE317: CSR crashes during IPSEC session bring up
CSCuw33169	CSR1000v: L2 133-136 bytes frame drop with ESP-null SHA384 and 512
CSCuw23857	Crash at CWS TUN WL process while running DSA script
CSCuv75489	CWS FPMAN_FP Crash when whitelisting is unconfigured.
CSCuw18990	CWS needs to be route lookup based on the source interface VRF scope
CSCuu43112	CWS OOB needs to be supported with VRF
CSCuv72847	CWS redirect-list should not accept an extended access-list
CSCuw15123	CWS tunnels needs to be deleted if FQDN fails during router reload
CSCuv72596	CWS Whitelisting ACL failed to download on dataplane
CSCuw53464	CWS: ISR crashed while modifying patterns under WL
CSCuw23345	CWS: Parameter-map primary tower configuration issue
CSCuv74034	Router reloads when the cws-tunnel is coming up
CSCux88022	ASR1K : Crash at dhcp_sip_get_config
CSCux02200	ASR1K seg fault crash on DHCP SIP process
CSCut95477	client-identifier disappears from running configuration
CSCux33385	DHCP binding deletes cash after getting unicast DHCP request
CSCus55821	DHCPv6 process crashes when receiving malformed packet
CSCuv39338	ISG: DHCP Server RADIUS Proxy Memory Leak
CSCuw73152	Standby RP Silent reset
CSCuw99105	DNS query is being sent with wrong interface IP instead of configured IP
CSCuw18886	Crash while removing whitelist with 1K entries in DSA DB
CSCuv61150	crash while removing whitelisting with 5k IP's in DSA DB
CSCuw90662	MODEMPASS usage does not show up in show call active voice brief output
CSCuw67294	4351 IOS MTP not relay T.30 messages
CSCux82241	\$\$TS: EIGRP SAF sequence not same for site-prefix and discovered site
CSCux41072	EIGRP sending hello messages with interface in passive mode.
CSCut37529	Several traceback @ intr_stat_snapshot_and_process about ACFE

Identifier	Description
CSCux15835	ISR4331/K9:Router fails to come online with No Service Password Recovery
CSCuw22338	ISR4xxx may report the incorrect power supply type in show inventory.
CSCux91894	ASR9xx iomd memory leak
CSCuw08174	ISR 43XX/44XX Limits Crypto IPsec Window-Size to 512 for No Reason
CSCux20098	erspan cannot support source port-channel,tunnel,multilink and serial.
CSCut79286	ASR1K QoS feature doesn't work fine with RP2/Rls3.x
CSCux15954	EEM : fatal condition error from operating system
CSCuw12720	MallocLite memory leak due to EEM when using "file open" action.
CSCuw43115	CSR1Kv XE 3.13.3S Crashed on clearing ip ospf process
CSCuw82081	LISP CEF: fwd-native routes gleaned for LISP not forwarded natively
CSCuu26303	Router crash triggered by service policy and ipv6 traffic
CSCuw05651	EzPM causes STACKLOW message and a subsequent crash
CSCuv27265	ENH: Enable support for TLSv1.1 & TLSv1.2 for http secure server/client
CSCuu66503	HTTPs: IOS HTTPS client not enforcing subject-name verification
CSCuv36677	IOS allows RC4-MD5 and RC4-SHA1 SSL ciphers to be negotiated by default
CSCut44432	Chunk Manager Leak due to PROTO_COUNTER
CSCux38417	IOS and IOS-XE IKEv2 Fragmentation DoS
CSCux69222	Truncated counters/names in the 'show proc mem platform' output
CSCuu75193	No shut on interface, deletes Rx SC of session on other live interface
CSCux80430	Archive command broken when files removed by tracelogs rotation
CSCuu66331	Battlestar:IPV6 Netflow on sub-bundle interfaces crashes both SUP's
CSCuv93130	Cisco IOS-XE 3S platforms Series Root Shell License Bypass Vulnerability
CSCux14860	ASR1K:Packet Tracing failed with FW,NAT&FW enabled.
CSCuw28179	CWS Whitelist download fails if UTD is enabled on cws-tunnel out intf
CSCup70353	IOS-XE router reload due to WebUI log file leak
CSCuw49406	"no ip routing protocol purge interface" delete with reload
CSCuu77403	%LINK-4-TOOBIG Messages Seen on ISR 3945 with L2TPv3
CSCuw48118	ASR920 - crash in bcopy called from 'addnew' during reassembly
CSCux46094	Crash while using ip unumbered with auto installZero touch deployment
CSCuw74179	CSR: static route via VTI fails to restore after Interface shut/no shut
CSCux29974	ISR4k:UnconfiguredIpv4Fia drop seen for pkts transit via PPPoE
CSCuv80943	MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs
CSCuv99758	Remove unnecessary packet debugs for UDP tunnels
CSCuw08398	Tunnel Tracebacks observed when changing the PFR loopback address
CSCuq64416	ASR-1004 Call Failures with TCP as Session Protocol towards CVP/CUCM
CSCuv79202	CUBE Crashed while handling Response for Unsupported INFO Request
CSCuw63102	CUBE OPTIONS keepalive profile busyout dial-peer when retry count is 1

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CSCuw34395	SIP Refer Doesnt Work After CUBE Failover
CSCuv97379	[ST-P] STBY router crashed on disconnecting call on ACTIVE
CSCut83406	IPSLA : PPE exception dump due to num_entries=0 in XR ISSU run phase
CSCux99250	ASR 903 IPv6 Multicast crashes
CSCus06318	SNMP IPv6 address discovery with ipAddressTable
CSCuw73532	ISIS multitopology not working if neighbor is sending IPv4 address
CSCuy02409	BDI not Passing VRRP Multicast Traffic
CSCuy19395	ASR1006 :crashes after running the "redundancy force-switchover" command
CSCux78294	Crash on router when removing L2VPN
CSCuw24741	EVPN: Ether serv inst shut not generating AC event
CSCus72718	L2TPv3 session pending between 2 devices
CSCux58640	LDP NSR: Label Mapping Messages Not Sent on RP SSO and VCs Re-bind
CSCux43298	show interface pseudowire displays invalid peer info
CSCuw67049	Traceback seen when standby is trying to BULK sync
CSCuv57459	ASR1K Kernel crash at pidns_get() - part 2
CSCuv23340	Core file not getting generated after kernel crash in crete platform
CSCuw96085	ASR920 crashes on NID Controller configuration commit of native vlan 1
CSCuv99903	ME3600 drops traffic thro' EVC port when EFPs for BD in 1G and 10G ports
CSCuw17403	xconnect not forwarding traffic with local SPAN on Attachment Circuit
CSCuv46139	DHCP relay does not remove Option82 in Offer forwarded to client
CSCuw10281	Traffic drop on mac movement when mac sec is enabled under EFP
CSCuw23745	ME 3600X / SVI VRF Routing problem with Access-Port
CSCuw79818	Incorrect interface counters for multicast
CSCuw39345	mVPN traffic is sent without dot1q header when SVI is core interface
CSCuw31489	ME3600 ciscoEnvMonSupplyState value is wrong after reload
CSCuw70546	ME3600 :: UDLD runs on internal ports
CSCuw93755	ME3800 crashing due to RPF Fail packets punting to the CPU
CSCuv18439	CPUHOGS in chunk corruption crashinfos distracts troubleshooting
CSCuw10271	Sending IMSI/MSISDN in PBU should be optional
CSCuu37200	SC install fails after link re-route
CSCux38250	ASR-903 crashes when configuring MPLS Explicit Null
CSCux47286	UMMT- ASR903 crashes at fib_chain_remove with periodic toggling of ports
CSCut63712	Router responds to MPLS traceroute with next hop IP 127.0.0.1
CSCuw70667	ASR1K crashes at command "show mpls traffic-engineering tunnel"
CSCuw20292	PFR v3.16 collector CLI has missing port number in PfR config
CSCuw75594	ISR4431: Unable to create vlan using WSMA
CSCuv56532	GS: Display inventory CLI is not showing expected output on DSLAM.

Identifier	Description
CSCuu75888	AN: Traceback while removing tunnels after "no autonomic" with NTP
CSCuu80205	Error Msgs on Satellite console when doing shut/no shut of host ICL port
CSCux20613	Bus error crash at oer_saa_mc_get_probe_stats_cbk
CSCuv22992	PFR router crashes due to watchdog when displaying config
CSCuw65212	Process watchdog crash on 2900 seen with oer_mc_cfg_command
CSCuw47521	Make changes to GRUB in MCP to boot CGE7 images
CSCuw24373	Called-station-id and NAS-ID via account profile satus query
CSCut64952	double access-request with same username with vpdn authen-before-forward
CSCux51271	Need to add the attributes 32 and 30 under all status-query related
CSCuu20167	Radius-Proxy Session-Restart fails after ISG idle-timout
CSCuw53543	Stale entries for unauthenticated user in ISG dont clear .
CSCuw91822	vISG not sending COA Response
CSCuw61282	ANCP process crash while sending scale port up messages
CSCux93045	ISG requests RADIUS although profile is configured locally - ppp changes
CSCuw49798	ASR1K: cpp_cp_svr core@cpp_qm_cmn_delete_queue
CSCuu92634	ASR1K:FP100: cpp_svr core file seen with uws_wan_xe311 profile
CSCuw94014	cpp_cp crashes with BB profile #6 48k PTA
CSCuw81487	Kahuna RP crash when bringing up PTA sessions with QoS
CSCuw73223	Polaris : cpp_cp_svr crash when the interface goes down
CSCux10321	ASR1000 CLI hangs on executing the "show platform hardware qfp xxx"
CSCuv56407	ASR1001-X crashed with "ip account mac output" config on interface
CSCuv36911	ASR1K active CGN ESP200 may crash when the CGN standby realoded
CSCuv90904	ASR1K B2B CGN NAT lost sync in standby IP NAT allocated addresses
CSCuv02537	ASR1K ESP200 reload in a B2B CGN NAT scenario with PAP+BPA
CSCuw79438	NAT64: MAP-T 1300-bytes packet drop at high traffic rate
CSCuu90605	CPP crash in cpp_qm_event_proc_parent_update
CSCuw40400	Router crashed at cpp_free_exmem
CSCtx83808	PPP: Traceback when changing police to shaper on LNS
CSCuv19528	CPU Spikes 99% for 32k scale with common acl and per user ace download
CSCuw26070	%SYS-4-CHUNKSIBLINGSEXCEED:No. of siblings in chunk gone above threshold
CSCuv70649	P2MPTE FRR: Traffic not flowing after moving to backup Tunnel
CSCux05439	RSVP host sender not chkptd when doing path change (baseline issue)
CSCuv30117	ISR4000 routers lose SRST COR list config after reload
CSCuu74719	ISR 4331 - SRST - Router crash with PSTN conferencing (LocalSoft)
CSCux61417	Memory leak in IPPM Server due multiple timer registrations
CSCsw96293	Reload in SNMP Proxy Forwarder after IOS upgrade
CSCuu78845	IOS 15.5 SSH auth does not progress to next method

Identifier	Description
CSCuv62376	aaa_coa_request_set_error_reply AAA related Crash
CSCuv56698	ASR1k standby-hot RP crash at SSS Bad root chunk pointer
CSCuv94697	checkpointing of CSUN message
CSCux38847	CSUN sent with M bit set
CSCux36567	DT CPOC bugs
CSCuw53706	LAC does not carry the correct circuit-id in ICRQ message to the LNS
CSCuw82928	Peruser ACL definition needs to be displaced in show CLI same as common
CSCux77926	RFC 5515 : Interim record is triggered when the same ANCP port
CSCux81900	RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's
CSCux01316	RP crashes when show command for common acl is executed
CSCuw47130	STCAPP commands gets removed after reloading 43XX/44XX routers
CSCuv96640	Traceback seen when BPDU received on BPDU guard enabled NIM-ES2 port
CSCuv31270	Issues with E1 unframed mode when we use back to back ISR4451s
CSCux03041	LDP NSR: Session Flaps on Standby RP Due to MD5 Authentication Failure
CSCuv28196	TCP MSS option in SYN may be ignored
CSCuw21000	Netconf:Unable to install OVA from USB0, neither throw an error message
CSCsq06282	Need ability to specify source address for HTTP messages from VXML GW
CSCuv80214	Router crash on removing dial peer
CSCuw60540	Invalid Input: Trailing space accepted on voice-card x/y command
CSCux07364	QoS settings on Cisco ISR-4K VG for TDM to IP
CSCus84696	Voice gateway not sending ISDN USER_INFO for SIP Info to update number
CSCux29793	2 extra Interim Accounting messages sent after SRL service activation
CSCuv63373	DNS value received from 4G EHWIC not populated correctly in IOS

Resolved Bugs

Bugs for Cisco IOS Release 15.6(1)S

Resolved Bugs

Bugs describe unexpected behavior in Cisco IOS software releases. Severity 1 bugs are the most serious bugs; severity 2 bugs are less serious. Severity 3 bugs are moderate bugs, and only select severity 3 bugs are included in this section.

In this section, the following information is provided for each bug:

- Symptoms—A description of what is observed when the bug occurs.
- Conditions—The conditions under which the bug has been known to occur.
- Workaround—Solutions, if available, to counteract the bug.



If you have an account on Cisco.com, you can also use the Bug Toolkit to find select bugs of any severity. To reach the Bug Toolkit, log in to Cisco.com and go to

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl. (If the defect that you have requested cannot be displayed, this may be due to one or more of the following reasons: the defect number does not exist, the defect does not have a customer-visible description yet, or the defect has been marked Cisco Confidential.)

This section consists of the following subsections:

- Using the Bug Search Tool, page 29
- Resolved Bugs—Cisco IOS Release 15.6(1)S4, page 31
- Resolved Bugs—Cisco IOS Release 15.6(1)S3, page 32
- Open Bugs—Cisco IOS Release 15.6(1)S2, page 34
- Resolved Bugs—Cisco IOS Release 15.6(1)S2, page 36
- Open Bugs—Cisco IOS Release 15.6(1)S1, page 42
- Resolved Bugs—Cisco IOS Release 15.6(1)S1, page 43
- Resolved Bugs—Cisco IOS Release 15.6(1)S, page 44

Using the Bug Search Tool

The Cisco Bug Search Tool enables you to filter the bugs so that you only see those in which you are interested. In addition to being able to search for a specific bug ID, or for all bugs in a product and release, you can filter the open and/or resolved bugs by one or more of the following criteria:

- Last modified date
- Status, such as fixed (resolved) or open
- Severity
- Support cases

For more information about how to use the Cisco Bug Search Tool, including how to set email alerts for bugs and to save bugs and searches, see Bug Search Tool Help & FAQ.



You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. if you do not have one, you can register for an account.

To use the Cisco Bug Search Tool:

- 1. In your browser, navigate to the Cisco Bug Search Tool.
- 2. If you are redirected to a **Log In** page, enter your registered Cisco.com username and password and then, click **Log In**.
- 3. To search for a specific bug, enter the bug ID in the Search For field and press Enter.
- 4. To search for bugs related to a specific software release, do the following:
 - **a.** In the **Product** field, choose **Series/Model** from the drop-down list and then enter the product name in the text field. If you begin to type the product name, the Cisco Bug Search Tool provides you with a drop-down list of the top ten matches. If you do not see this product listed, continue typing to narrow the search results.
 - **b.** In the Releases field, enter the release for which you want to see bugs.

The Cisco Bug Search Tool displays a preview of the results of your search below your search criteria. You can mouse over bugs to see more content about a specific bug.

- **5.** To see more content about a specific bug, you can do the following:
 - Mouse over a bug in the preview to display a pop-up with more information about that bug.
 - Click on the hyperlinked bug headline to open a page with the detailed bug information.
- **6.** To restrict the results of a search, choose from one or more of the following filters:

Filter	Description
Modified Date	A predefined date range, such as last week or last six months.
Status	A specific type of bug, such as open or fixed.
Severity	The bug severity level as defined by Cisco. For definitions of the bug severity levels, see Bug Search Tool Help & FAQ
Rating	The rating assigned to the bug by users of the Cisco Bug Search Tool.
Support Cases	Whether a support case has been opened or not.

Your search results update when you choose a filter.

All resolved bugs for a release are available in the Cisco Bug Search Tool through the fixed bug search. This search uses the following search criteria and filters:

Field Name	Information
Product	Series/Model Cisco IOS and NX-OS Software => Cisco IOS
Release	Example:15.6(1)S
Status	Fixed
Severity	2 or higher

Resolved Bugs—Cisco IOS Release 15.6(1)S4

This section lists the resolved bugs for Cisco IOS Release 15.6(1)S4. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 1 Cisco IOS Release 15.6(1)S4 Resolved Bugs

Caveat ID Number	Description
CSCve54313	Crash in ALPS SNMP code
CSCvc42729	Autonomic Networking Infrastructure Adjacency Discovery DoS Vulnerability
CSCvc42717	Autonomic Networking Infrastructure Registrar Device Reload
CSCvc89965	After reload route policy processing not re-evaluate with route-map using match RPKI
CSCuw35828	crash w/BGP show advertised-routes when route-server is on vrf
CSCvd09584	eVPN PMSI VNI decoding / encoding as MPLS label
CSCvc31517	Router crashes using BGP commands for long cost extended community string
CSCve57697	Crash in Bstun SNMP code
CSCuw77959	1801M - %DATACORRUPTION-1-DATAINCONSISTENCY: copy error
CSCvc16650	IOS secure conferencing leads to SRTP bandwidth and tunnels usage to exceed the license limits
CSCup70353	Cisco IOS XE Software Web User Interface Denial of Service Vulnerability
CSCuz30491	High CPU Utilization with RIP Timers
CSCvb70426	GETVPN: crash due to unexpected exception to CPU during Reg/Rekey policies from KS
CSCve10917	IPSec crash on ASR1k router while processing KMI
CSCvd40880	Modifying crypto ACL leads to a removal of crypto map config
CSCvc27005	Stateless IPSec HA doesn't work when HSRP packets are being recirculated on VASI link
CSCvc59750	IKEv2 Aggregate-auth Timing Issue
CSCvc99738	IKEv2 tunnel fails to come up b/w Cisco routers post upgrading one router to 15.5(3)S5, 15.5(3)M5
CSCvc12306	Limit ike-init queue to improve performance in scaled scenarios
CSCvd47757	csr1000v is not able to poll CISCO-IPSEC-FLOW-MONITOR-MIB
CSCve62464	Locally generated traffic may be dropped in a GETVPN over DMVPN setup
CSCvb25357	NHRP registration requests failed after ipv6 tunnel source change
CSCvb66239	Willr noL3 tunnel MTU is not signalled properly for locally-originated packets
CSCvb41889	NTP leap second inserted every day after leap second occurs
CSCuy32325	DMVPN: NHRP route-watch does not delete NHO route after route change
CSCvb92697	High CPU due to NHRP when NHRP cache entry for remote spoke's tunnel address is deleted

Caveat ID Number	Description
CSCvc12485	ASR1006 crash in ospfv2_print_db_simple on cmd "sh ip ospf retransmission-list"
CSCvb84388	Auth and CRL download fails with "There is another request in progress"
CSCuz22162	Digital certificates does not sync to standby
CSCuv44053	PKI Rollover: rollover cert is being added as active id cert
CSCvb73018	PKI: Cannot import RSA SubCA signed by ECDSA
CSCuw42556	retry does not work in one scenario after renewal fail
CSCvc22184	BQS Interrupt QSM_CSR32_QSM_LOGIC_ERR_LEAF_INTINT_INCORRECT_POP_STATU S_ERR1
CSCvb44207	CTS/SGT across GRE p2p tunnel broken when doing inline tagging
CSCvb92562	Evaluation of all for Openssl 1.0.1 September 2016
CSCve66658	Crash in TN3270E-RT-MIB code
CSCve21448	multiple ISR4K VGW's crashed with Segmentation fault(11), Process = DSMP

Resolved Bugs—Cisco IOS Release 15.6(1)S3

This section lists the resolved bugs for Cisco IOS Release 15.6(1)S3. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 2 Cisco IOS Release 15.6(1)S3 Resolved Bugs

Caveat ID Number	Description
CSCva92726	AN: AN memory holding grows during longevity test
CSCva29933	AN: ASR901 hangs after AN aborts setup dialogue
CSCuz76841	AN: ISR-G3 crashes after disabling autonomic
CSCva49849	AN: Nbr/ACP flap continuously when a rouge device tried to join
CSCuz88340	AN: ULA is configured on ANI & same ANI used for multiple neighbors
CSCva87987	ASR 902 crash onbe_bfd_fib_nh_change_cb
CSCuz58682	Incorrect VPN withdraw with overlapping RT on multiple RT Filter
CSCva86436	no export ipv4 unicast map triggered router to crash
CSCva24325	NSF/SSO feature not honouring TCP MSS
CSCuz21061	router crashes after %BGP-6-BIGCHUNK + SNMP query.
CSCuz81585	CEF adjacency breaks with intervrf traffic in ASR920
CSCuy64522	dhcp process crashed on ISSU when the relay configured on BDI over TEFP
CSCva16353	Fnf related tracebacks and fnf config issues during ISSU process
CSCva15828	AN: Router crash during ACP flap pointing to ikev2
CSCva95795	(RC)ISR 4451 PfR Due to FP Route-Map (Modification of CSCva79279 fix)

Caveat ID Number	Description
CSCuz12967	Crash after show ip protocols vrf with RIP enabled
CSCuz41999	Optimizing the EoGRE endpoint creation/deletion
CSCuz47777	DTMF issue on ISR G3/ASR during the prompt using TCL Script
CSCuy33804	Traceback seen @resolve_sig_ip_address_to_bind during SRTP calls
CSCvb29204	BenignCertain on IOS and IOS-XE
CSCuy14032	IPv6 loopback address not being advertised in isis
CSCuz25240	ISIS not installing back to RIB neighbors loopback when interface flaps
CSCva15526	PW down after clear mpls ldp neighbor followed by RSP SSO
CSCva18067	CPU HOG and Crash by MFIB_rate
CSCuz28618	sup2t: sup crashed after MFIB errors
CSCva43443	DNA/SA,Upon Quad SUP SSO,Mcast decap traffic black holing for ~50 sec
CSCuy45804	MCAST: PIM issue tracking RP source address
CSCva59927	UCI,On QuadS6T Second SSO,PIM joins are not encapsulating over VRF LISP
CSCuz01454	DMVPN: Implicit NHRP Entry Persists if Crypto Fails to Build
CSCva40110	QoS Policy flap with every registration when NAT is involved
CSCva35619	Cisco IOS Software Crafted NTP Packets Denial of Service Vulnerability
CSCvb00978	OSPF SR SID Conflict: when OSPF is shut, conflict resolution not handled
CSCuz49651	AN: PKI crash during boostrap and certificate renewal
CSCva17234	roll over to new certificate triggers "Crypto CA" to crash
CSCuz62115	Router crash due to PKI process
CSCva72564	Nike-PoC: Autoinstall obtained IP overrides USB bootstrap config
CSCva15013	AAA/RADIUS memory leak on IOS-XE
CSCuz87179	Crash observed while bringing up PTA sessions in SSS Manager
CSCur10056	Memory leak in SSS Manager
CSCuz57124	Tracebacks *MSG 00001 TRUNCATED* on standby, after PTA Sess brought up
CSCuz77746	16.3 throttle: serial interface goes down after enabling ppp
CSCuo76385	Router crashes at ic_dp_classify when Serial link flaps
CSCuw50415	Crash seen @ hwidb_iftype_unlist while doing unconifg of channel-group
CSCuz76821	tableid_ha: Memleak @ eobc_pool_getbuffer
CSCva29311	AN: RPL crash during ACP flap & in scale setup
CSCva46459	SSH session hangs if its not closed properly
CSCux86075	Unexpected crash during SSH operation
CSCuz52528	Evaluation of all for OpenSSL May 2016
CSCuy14110	CPU Hike seen in XE 316 due to VTEMPLATE BKG OW Process
CSCuy38157	Router crash during handling L2 and L3 subscribers at the same time
CSCuz62915	ISR4451 crash under load due to Segmentation fault(11), Process = DSMP
CSCva22751	Router crashing due to a watchdog in the ISDN process

Caveat ID Number	Description
CSCva00551	Cisco Router may crash on SIP MA Process Due to sstrncpy()
CSCuz72665	DATACORRUPTION-1-DATAINCONSISTENCY error when copying from PAI header
CSCvb24266	ISR 4K Crashes When Running "Debug Voice Translation"

Open Bugs—Cisco IOS Release 15.6(1)S2

This section lists the open bugs for Cisco IOS Release 15.6(1)S2. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 3 Cisco IOS Release 15.6(1)S2 Open Bugs

Identifier	Description
CSCux26195	"aaa accounting suppress null-username" not working as expected
CSCuz44459	Account-stop sent without input output fields
CSCuz77105	ISG: multiple corruption in different code
CSCuz22430	Router reload unexpectedly when received anomaly from TACACS+ server
CSCuz52901	ASR crash while removing crypto key from DMVPN tunnel
CSCuz27907	IOS-XE: Issues with GETVPN and mGRE packet classification
CSCuw94493	Octeon core hang causing F1/F0 offline
CSCuw97842	Standby RP crash at be_ancp_get_dsl_line_attrs
CSCuy24258	Bulk sync failure with "bgp ha-mode sso prefer"
CSCuy64509	CUCME enabled on 4321 supports 42 users only
CSCux79855	TPS Server failure in crypto_engine_pk_decrypt breaking https post sso.
CSCuy01341	Crash on processing packet on cws-tunnel in
CSCur72967	43xx/44xx "show platform software cerm-information" not accounting pkts
CSCuz52857	ISR 4K - Crash Due to Stuck Thread in Crypto IPC processing
CSCuz62911	ISR4K Stop Decrypting due to CERM Error - IN_PKT_CERM_DROP
CSCuw48857	UP23n : USD platforms crashes for "sh plat hard crypto-device util" cli
CSCuz50434	ISSU:XE314<->XE316 : IOSd Core@cfm_ha_issu_db_to_msg_pre_mpdb_transport
CSCut57456	copy run http command crash
CSCuy96461	IOS-XE EPC does not work on port-channel subinterfaces
CSCuy50298	Empty object-group permitting all traffic 4331
CSCuv86229	Interrupt stack overrun and crash due to recursive tunnel lookup, Part 2
CSCux25412	Crash with SIP subscribe notify enabled
CSCuz45207	Cube crash at skinny_codec_supported
CSCuu12283	CUBE failed to create DP session on STBY for Webex flow

ldentifier	Description
CSCuz47777	DTMF issue on ISR G3/ASR during the prompt using TCL Script
CSCux05980	IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error
CSCuz71250	Router crashes when parsing ack for mid call
CSCuz69975	Under load crash is seen in CVP REFER_PASSTHRU scenario
CSCuy72671	Traffic drops on ASR1K with RRI gateway option.
CSCuz39721	ASR1K/RP2/SW 15.4(3)S4 crash
CSCux50799	Virtual-PPP source interface is removed adter reload
CSCuy32696	Traceback after cmd 'redistribute lisp'
CSCuu57942	MLDP:Met is inncorectly programmed on root node failure-traffic loss
CSCux10171	[3.17] KinPin Crashed when configuring custom HTTP
CSCuy74032	No value is returned for an SNMP Query from Hierarchical DMVPN HUB
CSCux65145	ASR1K-REST API-ACL: Portnumbers in access-lists are returned incorrectly
CSCuz61339	BGP task crashed with common regular expression in run-configure
CSCuz62898	Crash in BGP due to regular expressions
CSCuz74592	OSPFv3H-2500/6/4 crashed with watchdog due to INValid Key- INVALIDSADATA
CSCum19502	Inconsistent behavior between telnet and ssh in low memory conditions
CSCuz49651	AN: PKI crash during boostrap and certificate renewal
CSCuy72304	expired or corrupted certificate caused router to crash
CSCuz62115	Router crash due to PKI process
CSCuw79412	%SYS-6-STACKLOW: Stack for process PPP SIP running low, 0/6000
CSCuy08412	ASR1K fman_fp_image crash with ACL changes
CSCuy41164	ISR 4351 crashed while IWAN app was pushing configs
CSCuz10855	ASR1002x crash in crypto_pstate_dequeueue
CSCuz01052	ISR4K: PPE crash from hal_abort with ice_tx_open_slots_thd_matched
CSCux47830	ASRNAT: Pool leak in PAP mode leading to %NAT-6-ADDR_ALLOC_FAILURE
CSCuw95297	ESP200 crash with 550K translations with cablevision config
CSCuw97834	Mismatch in Drop and post policy counters pertaining to CLI and SNMP
CSCuw50415	Crash seen @ hwidb_iftype_unlist while doing unconifg of channel-group
CSCuz72951	Conditional default originate broken for IPv6 BGP
CSCux86075	Unexpected crash during SSH operation
CSCuy38157	Router crash during handling L2 and L3 subscribers at the same time
CSCuy74990	BGP not forming neighborship on ASR1k with dual RP
CSCue25168	TPM reserves UDP/4500 for no apparent reason
CSCuz23329	Many inactive sccp sessions in show sccp connections
CSCuy85653	One way audio via ISR 4K after call is resumed from IP phone after SNR
CSCuz52693	ISR 4K Memory Holding in CCSIP_SPI_CONTROL
CSCux20199	Re-Invite with (main m line) dead audio stream (port 0) cause FPI hung.

Identifier	Description
CSCuz17364	DTMF Type ahead buffer on GW with Nuance not working
CSCux16650	SHA-2 support on ISR G2

Resolved Bugs—Cisco IOS Release 15.6(1)S2

This section lists the resolved bugs for Cisco IOS Release 15.6(1)S2. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 4 Cisco IOS Release 15.6(1)S2 Resolved Bugs

Identifier	Description
CSCuy21675	Crash@username_command with service pwd-encryption & common-criteria cfg
CSCuy46133	IOS-XE unable to parse automate-tester cmd after save, gone after reload
CSCux69225	Mac filtering option "None" sends blank password
CSCuy01051	MPLS VPN over mGRE Routing issue after reload
CSCuz04324	radius-server vsa send authentication lost after reload
CSCuy92938	Traceback is seen on cpp_cp during the router bootup
CSCuy77986	Traceback seen on configuring sgt-caching
CSCuz21435	IOS-XE: 'ACE event' process watchdog crash.
CSCux91300	Polaris 16.2: Traceback@be_ace_send_ikea with gre configs
CSCuy86812	Router crash when share tunnel protection with MGRE and GRE tunnels.
CSCuw95900	Throughput license breaks Dynamic NAT
CSCux86297	show tech-support take long time due to "show crypto ssl stats"
CSCux32083	AN autoconfigured NTP server must support lower stratum
CSCuy04454	AN: "autonomic connect" interface is not in AN VRF after int reconf.
CSCuy02477	AN: AN creating channel in autonomic connect interface
CSCuu12394	AN: Config download is not triggered when reloaded without saving conifg
CSCux15053	AN: Config server address not getting removed after withdrawing service
CSCuy87056	AN: Device receives & keeps multiple certificates
CSCuy41049	AN: Multiple CD channels getting created on same int for same neighbor
CSCuw81472	AN: Need to increase max NTP association for scale setups
CSCuy86757	AN: NTP not syncing in recent images
CSCux21920	AN: Registrar does not retry bootstrap once it fails during re-bootstrap
CSCuy08030	AN: sh an int output prints Probing for AN disabled int
CSCuw47904	Registrar should validate configured domain-id while unshutting.
CSCuy03054	ASR1K IOSd may crash in BGP Accepter process due to segmentation fault
CSCuw92735	BGP multicast signalling is not working properly, Error: c-route type 7
CSCuz05346	BGP needs to recognize 4-byte private ASN
CSCuy20481	Crash due to stale pointer after removing vrf command export AF map
CSCux76332	Deleting a statement in export map, removes other statement
CSCux91976	gateway route with AIGP metric only works for host route without supernet
CSCuy03504	Incorrect prefix count upon clearing bgp peering
CSCux62094	Routes are not exported from vrf to global due to incorrect export limit
CSCuw99632	SUP crash @process bgp router when configure ng-mvpn
CSCuy40894	VPN routes may miss withdraws with RTC post route to peer disturbance
CSCuy12658	Unexpected behavior and errors related to downstream voice flows on cBR8
CSCuy90036	Hostname not allowed beginning with numbers

Identifier	Description
CSCuy53662	SIP CME is not updating busy-trigger-per-button value
CSCux75400	TDOS and silent-discard are impacting SIP SRST Phone Registration
CSCuw02624	IOS:Cannot periodically establish SSL connection
CSCux47123	Polaris: In FIPS mode, router should crash if it can not get HW entropy
CSCuw58071	CSR XE317: CSR crashes during IPSEC session bring up
CSCuy01341	Crash on processing packet on cws-tunnel in
CSCuw43560	crash while running uid script.
CSCux77377	Traceback on Idle system with one lite session on continuous churn
CSCuv91777	VPN suboptions are never removed.
CSCuz49548	MLPPP over dialer broken for all platforms
CSCuy46981	"no ip domain lookup" always in "sh run all"
CSCuw21120	Crash on router due to authentication
CSCuv46710	Segmentation Fault in Auth Manager
CSCuy96753	Sup7E crashes when executing "no authentication port-control auto"
CSCuy04058	ISR-4K IOS CFB resources get into hung state (inactive)
CSCuw90662	MODEMPASS usage does not show up in show call active voice brief output
CSCuz62786	ISR4K sccp based transcoding hanging dsp-session_leg on data-plane
CSCuv50743	MAC stuck on 'PRE Event Handling' - needs reload for recover
CSCux82241	\$\$TS: EIGRP SAF sequence not same for site-prefix and discovered site
CSCux92391	\$\$TS: SAF service 5 is not seen on 3945e branch after HUB MC reload
CSCux41072	EIGRP sending hello messages with interface in passive mode.
CSCuv85472	SR 635576687 6500 EIGRP VRF MD5 AUTHENTICATION ERROR AFTER RELOAD
CSCuv74256	IOS: HMAC key miscalculated with DH Group 21 and IPSec PFS enabled
CSCuw42626	ISR4451(overlord): Packet drop with AH Algorithm SHA384 and 512
CSCuw48857	UP23n: USD platforms crashes for "sh plat hard crypto-device util" cli
CSCuv40225	G8032 ring stuck on protection State
CSCuz50434	ISSU:XE314<->XE316 : IOSd Core@cfm_ha_issu_db_to_msg_pre_mpdb_transport
CSCux99594	EEM Policies May Not Be Able To Send Email
CSCux68976	Crash in fib_fib_get_fib_tableid
CSCux06777	Device crash with RPF configured.
CSCux91174	FNF: add show tech fnf
CSCuy38707	After RSP switchover, BFD hangs for up to 10 minutes before converging
CSCuz07185	CDR field 71 (remote-media-address string) is 0.0.0.0
CSCuy21885	Changing "no monitor event-trace voip ccsip limit" to default limit
CSCut92547	Crash at pp_delete_socket
CSCuy48358	Crash during SIP subscribe notify ACK

CSCuy36064 Crash seen under load in CVP REFER_MIDCALL BLOCK scenario CSCux25412 Crash with SIP subscribe notify enabled CSCux01773 CUBE Anti-Tromboning C-Line Transition not properly handled. CSCux73693 Cube doesn't handle notify 200 ok if it is received after the bye CSCuy3237 CUBE anti-Tromboning C-Line Transition not properly handled. CSCuy34872 IOS Fails to correctly populate RTCP SSRC Field CSCuy19807 IOS-XE CUBE Hold/Resume Fails when negotiating video CSCux14861 IOS-XE Fails to correctly populate RTCP SSRC Field CSCuy05980 IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuy19738 ROC update for CUBE session refresh dspware and IOS code commit sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw17287 IP128 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume After flapping mid router interface more than 1 child SAs are removed CSCux10166 After flapping mid router interface more than 1 child SAs are removed For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw49748 CSCuw494118 CSCuw4940 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 GSCuy01778 GETVPN KS reload after split and merge CSCux14830 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 GSCuy14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux24499 Secudotime not being synchronized between GETVPN Key Servers Diffie Hellman computation fails due to leak in crypto engine ikev2 2nd time rekey fails when rekey request packet is fragmented IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux26691 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux26691 ISIS not installing back to RIB neighbors loopback when interface flaps SCSCux2640 ISIS not installing back to RIB neighbors loopback when interface flaps SCSCux307025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. SC</id>	Identifier	Description
CSCux73693 Cube doesn't handle notify 200 ok if it is received after the bye CSCux73693 Cube doesn't handle notify 200 ok if it is received after the bye CSCux13827 CUBE not triggering reinvite during call resume CSCux14872 IOS Fails to correctly populate RTCP SSRC Field CSCuy19807 IOS-XE CUBE Hold/Resume Fails when negotiating video CSCux14861 IOS-XE Fails to correctly populate RTCP SSRC Field CSCux05980 IOS-XE Fouter has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuy19738 ROC update for CUBE session refresh dspware and IOS code commit CSCuy19738 sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw12287 [P128 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCux0979748 Cannot ping own tunnel interface CSCuy39957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexypn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux35208 Diffie Hellman computation fails due to leak in crypto engine ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 ISIS authentication problem even 'send-only' is configured CSCux31818 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux25240 ISIS not installing back to RIB neighbors loopback when interface, even though it not advertised. CSCuy300947 ASRIK: GTP PDP context stuck in deleting state CSCuy30409 BDI not Passing VRRP Mul</id>	CSCuy96064	Crash seen under load in CVP REFER_MIDCALL BLOCK scenario
CSCuy33237 Cube doesn't handle notify 200 ok if it is received after the bye CSCuy33237 CUBE not triggering reinvite during call resume CSCuz14872 IOS Fails to correctly populate RTCP SSRC Field CSCuy19807 IOS-XE CUBE Hold/Resume Fails when negotiating video CSCuz14861 IOS-XE Fails to correctly populate RTCP SSRC Field CSCux05980 IOS-XE Fails to correctly populate RTCP SSRC Field CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuy19738 ROC update for CUBE session refresh dspware and IOS code commit CSCuy19738 sh dspfarm profile <id>shows active dsp resource even after call disconnect CSCuy19738 reproductive Under GDOI Fail-Close Disappears on Reboot CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuy9748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCuy44118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCuy44492 flexyn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCux17480 IKEv2 Irietime resets to default after reboot CSCux66591 vrf specific name-server / host entries gets deleted on flexypn client CSCux31981 ISR Router Crashes When Trying to Delete a Freed SA CSCux31981 ISR Router Crashes When Trying to Delete a Freed SA CSCux32806 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux3307025 ISIS show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy3300409 BDI not Passing VRRP Multicast Traffic</id>	CSCux25412	Crash with SIP subscribe notify enabled
CSCuy14872 CUBE not triggering reinvite during call resume CSCuy19807 IOS-XE CUBE Hold/Resume Fails when negotiating video CSCuy19807 IOS-XE CUBE Hold/Resume Fails when negotiating video CSCux14861 IOS-XE Fails to correctly populate RTCP SSRC Field CSCux05980 IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuy19738 ROC update for CUBE session refresh dspware and IOS code commit CSCuy19738 sh dspfarm profile <id><id><id><id><id><id><id><id><id><id></id></id></id></id></id></id></id></id></id></id>	CSCux01773	CUBE Anti-Tromboning C-Line Transition not properly handled.
CSCuz14872 IOS Fails to correctly populate RTCP SSRC Field CSCuy19807 IOS-XE CUBE Hold/Resume Fails when negotiating video CSCux14861 IOS-XE Fails to correctly populate RTCP SSRC Field CSCux05980 IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0," error CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuz25416 ROC update for CUBE session refresh dspware and IOS code commit sh dspfarm profile <id>shows active dsp resource even after call disconnect CSCuw19738 ib dspfarm profile <id>shows active dsp resource even after call disconnect CSCuw10287 [PI28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuw79748 Cannot ping own tunnel interface CSCuw49718 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCux44910 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy011778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux24782 Diffie Hellman computation fails due to leak in crypto engine CSCuy11990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 iffetime resets to default after reboot CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 iffetime resets to default after reboot CSCux26529 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux25200 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux25201 ISIS how ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy02409 BDI</id></id>	CSCux73693	Cube doesn't handle notify 200 ok if it is received after the bye
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CSCuz14861 IOS-XE Fails to correctly populate RTCP SSRC Field CSCux05980 IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuz25416 ROC update for CUBE session refresh dspware and IOS code commit CSCuy19738 sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw17287 [PI28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuw79748 Cannot ping own tunnel interface CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCuv44912 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 lifetime resets to default after reboot CSCux17348 IKEv2 lifetime resets to default after reboot CSCux31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCux252240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux252906 ISIS not installing back to RIB neighbors loopback when interface flaps CSCuy39091 Total side form is isdatabase CSCuy39094 ASR1K: GTP PDP context stuck in deleting state CSCuy39094 ASR1K: GTP PDP context stuck in deleting state CSCuy34090 BDI not Passing VRRP Multicast Traffic</id>	CSCuz14872	IOS Fails to correctly populate RTCP SSRC Field
CSCux05980 IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuz25416 ROC update for CUBE session refresh dspware and IOS code commit CSCuy19738 sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw17287 [Pl28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GctVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz47488 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy3787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy390947 ASR1K: GTP PDP context stuck in deleting state CSCuy34090 BDI not Passing VRRP Multicast Traffic</id>	CSCuy19807	IOS-XE CUBE Hold/Resume Fails when negotiating video
CSCuw70011 NanoCUBE stale registration entries with options keepalive CSCuz25416 ROC update for CUBE session refresh dspware and IOS code commit ScSuy19738 sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw17287 [PI28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IkEv2 lifetime resets to default after reboot CSCuw76420 IkEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCux31981 ISR Router Crashes When Trying to Delete a Freed SA CSCux33787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux2502806 ISIS routes are not not installed in the routing table from isisdatabase CSCux37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy37026 SSM connection manager crash during VFI pseudowire bind CSCuy04090 BDI not Passing VRRP Multicast Traffic</id>	CSCuz14861	IOS-XE Fails to correctly populate RTCP SSRC Field
CSCuz25416 ROC update for CUBE session refresh dspware and IOS code commit CSCuy19738 sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw17287 [PI28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCux25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy290947 ASR1K: GTP PDP context stuck in deleting state CSCuy235203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic</id>	CSCux05980	IOS-XE router has "[dsp] (ERR): TABLE DB LOOKUP: Invalid ID 0." error
CSCuw17287 sh dspfarm profile <id> shows active dsp resource even after call disconnect CSCuw17287 [PI28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux7348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy33787 ISIS authentication problem even 'send-only' is configured CSCux25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy290947 ASR1K: GTP PDP context stuck in deleting state CSCuy235203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic</id>	CSCuw70011	NanoCUBE stale registration entries with options keepalive
CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux214788 New reg invoke PKI function breaks the GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy117348 IKEv2 lifetime resets to default after reboot CSCux76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCux31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy37025 ISIS sot installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy390947 ASR1K: GTP PDP context stuck in deleting state CSCuy235203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuz25416	ROC update for CUBE session refresh dspware and IOS code commit
CSCux10166 After flapping mid router interface more than 1 child SAs are removed CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy33787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy19738	sh dspfarm profile <id> shows active dsp resource even after call disconnect</id>
CSCuy30957 For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy37025 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuw17287	[PI28 HARD]CUBE is sending wrong codec in 2000K resp ED UPDATE consume
CSCuw79748 Cannot ping own tunnel interface CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCux17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuy32503 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCux10166	After flapping mid router interface more than 1 child SAs are removed
CSCuy43118 XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile CSCtw74492 flexvpn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuy33203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy30957	For IPv6:Activate Under GDOI Fail-Close Disappears on Reboot
CSCtw74492 flexypn: user authorization should work with local AAA CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCux25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy99947 ASR1K: GTP PDP context stuck in deleting state CSCuy325203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuw79748	Cannot ping own tunnel interface
CSCuw48400 GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1 CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy43118	XE316: HubBR might be crashed@tunnel_protection_validate_shared_profile
CSCuy01778 GETVPN KS reload after split and merge CSCuz14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCtw74492	flexvpn: user authorization should work with local AAA
CSCux14788 New reg invoke PKI function breaks the GETVPN CRL Checking feature CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuw48400	GetVPN GM unable to register or rekey fails - sig-hash > default SHA-1
CSCux83732 Pseudotime not being synchronized between GETVPN Key Servers CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuy35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy01778	GETVPN KS reload after split and merge
CSCux25628 Diffie Hellman computation fails due to leak in crypto engine CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuz14788	New reg invoke PKI function breaks the GETVPN CRL Checking feature
CSCuy41990 ikev2 2nd time rekey fails when rekey request packet is fragmented CSCuz17348 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCux83732	Pseudotime not being synchronized between GETVPN Key Servers
CSCux76420 IKEv2 lifetime resets to default after reboot CSCuw76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCux25628	Diffie Hellman computation fails due to leak in crypto engine
CSCuv76420 IKEv2 rsa-sig failed with certificate lifetime beyond 2035 CSCux66591 vrf specific name-server / host entries gets deleted on flexvpn client CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy41990	ikev2 2nd time rekey fails when rekey request packet is fragmented
CSCuv31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuz17348	IKEv2 lifetime resets to default after reboot
CSCuy31981 ISR Router Crashes When Trying to Delete a Freed SA CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuw76420	IKEv2 rsa-sig failed with certificate lifetime beyond 2035
CSCuy83787 ISIS authentication problem even 'send-only' is configured CSCuz25240 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCux66591	vrf specific name-server / host entries gets deleted on flexvpn client
CSCux29806 ISIS not installing back to RIB neighbors loopback when interface flaps CSCux29806 ISIS routes are not not installed in the routing table from isisdatabase CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuv31981	ISR Router Crashes When Trying to Delete a Freed SA
CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy83787	ISIS authentication problem even 'send-only' is configured
CSCuy37025 ISIS: Show ip route shows deleted route as still being advertised, even though it not advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuz25240	ISIS not installing back to RIB neighbors loopback when interface flaps
advertised. CSCuy81301 mpls forwarding table holds info even after config replace with base cfg CSCuy90947 ASR1K: GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCux29806	ISIS routes are not not installed in the routing table from isisdatabase
CSCuy90947 ASR1K : GTP PDP context stuck in deleting state CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy37025	
CSCuz35203 SSM connection manager crash during VFI pseudowire bind CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy81301	mpls forwarding table holds info even after config replace with base cfg
CSCuy02409 BDI not Passing VRRP Multicast Traffic	CSCuy90947	ASR1K: GTP PDP context stuck in deleting state
	CSCuz35203	SSM connection manager crash during VFI pseudowire bind
CSCuy60338 12tp crashes during failover preceded by a kernel panic	CSCuy02409	BDI not Passing VRRP Multicast Traffic
	CSCuy60338	12tp crashes during failover preceded by a kernel panic

Identifier	Description
CSCux78294	Crash on router when removing L2VPN
CSCux58640	LDP NSR: Label Mapping Messages Not Sent on RP SSO and VCs Re-bind
CSCuz33024	standby RSP failed to syncup if mix of manual and auto-discovered PW
CSCuz34243	the AC segment remains unprovisioned when 'no shut' is done
CSCux73439	ASR - hpet2 increasing min_delta_ns to 33750 nsec
CSCuz18772	ASR1004:RP1 : Clock reset to 1 January, 1970 after reload
CSCux05579	IPCentral: Systemtap 1.4
CSCuy65618	LISP may put incorrect UDP checksum into control messages
CSCuy03680	V3Lite IGMP packets sent instead of V3 when UDP based feature is present
CSCuy51474	In-band signaling: mLDP database inconsistency causes RPF failures
CSCux21746	NTT: CPU hog post SSO for 30K/50K scale
CSCux23839	MAG flaps bindings and tunnel for every mobile network update
CSCux34430	Traffic not flowing through for MAG MNP's with PBR
CSCuy87734	ASR1K RP crashes LCON Main process when heavily loaded
CSCuw37452	ASR1K: Traceback seen @ uncofiguring LDP configurations
CSCuy81441	Router may crash due to LDP bindings
CSCuz04378	ICMP Time exceed dropped due to uRPF on the MPLS PE (per-ce label)
CSCuy05549	MPLS: ping mpls failed with no FEC mapping
CSCuz13646	Crash seen on ISR c2951
CSCuy51013	ESP crash on upgrade from XE3.11 to XE3.16.1a
CSCuy71712	FlexVPN: Spoke spawns a virtual access to connect to the hub
CSCuw92679	IOS-XE crash at nhrp_iprib_lost_route when running "debug nhrp routing"
CSCut61985	MPLSoDMVPN; Ping to spoke int. fails if dest. mask is /32
CSCux80450	%REGISTRY-3-STUB_CHK_OVERWRITE: error seen during boot up
CSCuu75888	AN: Traceback while removing tunnels after "no autonomic" with NTP
CSCuy20654	ASR1k reply to NTP broadcast
CSCux99025	Evaluation of Cisco IOS and IOS-XEl for NTP January 2016
CSCuz24233	NTP process is getting stopped & not able to create server relationship
CSCux47463	RestAPI: rate-limit is trigger due to one request with wrong user/paswd
CSCuz42995	CSCus79699 broke top allocators in crashinfo
CSCuy68037	Crash due to IOS watchdog when deleting persistent logging files
CSCuy44377	Syslog: Source-Interface address change doesn't take effect in IPv6
CSCuy04757	Crash@ospfv3_router_process_mgd_timers on shut/no shut of sub-intf
CSCuy32709	R-LFA Tunnels not established on setting DS required attribute
CSCux19034	XE3.16 crashes when conf "distribute-list" under router ospf and sh run
CSCux82630	show version: system restart time changes by a second periodically
CSCuu25580	VTY0-4 settings are modified if switch is accessed via WebUI

CSCuy85870 Wrong TD next-hop for overlapping prefixes CSCuy85870 Wrong TD next-hop for overlapping prefixes CSCuy83119 AN: Disabling AN is not removing crypto pki trust point created by AN CSCuy33129 G2 routers not able to download Trustpool due to nvram space CSCuy13701 IOS PKI: Crash while editing a VRF aware TP with enrollment profile CSCuy71719 Calling-station-id missing in web logon access-request CSCuy40731 Not updated parameters when session is renewed in unauth state CSCuy40721 Not updated parameters when session is renewed in unauth state CSCuy040721 Not updated parameters when session is renewed in unauth state CSCuy040721 ASR1K fman_fp_image crash with ACL changes CSCuy16555 ASR1002x crash in crypto_pstate_dequeueue CSCux68096 ucode crash abort called from ipv4_nat_create_inside_addrport_bind CSCuy16530 Crash after member link re-added to port-channel and clear counters CMD CSCux89723 Error when service-policy at sub-interface/pvc/service-group is applied CSCux504155 Crash seen @ hwidb_iftype_unlist while doing unconifg of channel-group CSCux55849 RTR installs the ISIStor OSPF) route with Higher Metric in the RIB CSCuy07343 AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table CSCux81424 AN: Router crashes in scale hub & spoke setup CSCux81424 AN: Router crashes in scale hub & spoke setup CSCux81424 AN: SBH to AN ULA though ACP fails, if access list is configure on VTY CSCux97104 Car3750 stack switch memory leak in MallocLite and Dead memory CSCux87667 Crash due to Block overrun by AAA banner CSCux87667 Crash due to Block overrun by AAA banner CSCux94630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy34630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy34630 ISSH to AN ULA though ACP fails, if access list is configure on VTY CSCux87124 Cash of out the when wing bank circuit-id and incorrectly formatted AVP's CSCuy34630 ISSH to AN ULA though acceptan	Identifier	Description
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CSCux89723 Error when service-policy at sub-interface/pvc/service-group is applied CSCuw50415 Crash seen @ hwidb_iftype_unlist while doing unconifg of channel-group CSCuw55717 Memleak @ pak_pool_cache_item_get: Scaled TFEX CSCuy55849 RTR installs the ISIS(or OSPF) route with Higher Metric in the RIB CSCuy07343 AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table CSCuw81424 AN: Router crashes in scale hub & spoke setup CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy38709 Memory leak with watcher_create_common. CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuw35544	CGE7,SysBuff exhaust due to conf/unconf qlimit causing fairq qlimit go wild
CSCuw55717 Memleak @ pak_pool_cache_item_get: Scaled TFEX CSCuy55849 RTR installs the ISIS(or OSPF) route with Higher Metric in the RIB CSCuy07343 AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCuy90880 ASR1004 memory leak due to SSS Manager CSCuy94413 RFC 5515: CSUN is triggered when IPBSA service is applied CSCuy94842 Crash on router when using stcapp CSCuy94842 Crash on router when using stcapp CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy16530	Crash after member link re-added to port-channel and clear counters CMD
CSCuy55849 RTR installs the ISIS(or OSPF) route with Higher Metric in the RIB CSCuy07343 AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table CSCuw81424 AN: Router crashes in scale hub & spoke setup CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy9440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCux89723	Error when service-policy at sub-interface/pvc/service-group is applied
CSCuy55849 RTR installs the ISIS(or OSPF) route with Higher Metric in the RIB CSCuy07343 AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table CSCuw81424 AN: Router crashes in scale hub & spoke setup CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuw50415	Crash seen @ hwidb_iftype_unlist while doing unconifg of channel-group
CSCuy07343 AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table CSCuw81424 AN: Router crashes in scale hub & spoke setup CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCux03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuw55717	Memleak @ pak_pool_cache_item_get : Scaled TFEX
CSCuw81424 AN: Router crashes in scale hub & spoke setup CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuy07720 Commit libQsig for both 64bit and 32bit	CSCuy55849	RTR installs the ISIS(or OSPF) route with Higher Metric in the RIB
CSCuy39110 ESRST voice gateway crash when SCCP phone goes off-hook CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy07343	AN: ipv6 global prefixes are seen in the cisco_autonomic vrf table
CSCuy86782 AN: SSH to AN ULA though ACP fails, if access list is configure on VTY CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuw81424	AN: Router crashes in scale hub & spoke setup
CSCuw57124 Cat3750 stack switch memory leak in MallocLite and Dead memory CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy39110	ESRST voice gateway crash when SCCP phone goes off-hook
CSCuy87667 Crash due to Block overrun by AAA banner CSCuw09694 Device crash when "ip host" used by an SSH sourced from CLI is removed CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy86782	AN: SSH to AN ULA though ACP fails, if access list is configure on VTY
CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuw57124	Cat3750 stack switch memory leak in MallocLite and Dead memory
CSCuy45630 IOS SSH client incorrectly interprets version string and terminates sess CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy87667	Crash due to Block overrun by AAA banner
CSCuy38709 Memory leak with watcher_create_common. CSCuy54623 Evaluation of all for OpenSSL March 2016 CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuw09694	Device crash when "ip host" used by an SSH sourced from CLI is removed
CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy45630	IOS SSH client incorrectly interprets version string and terminates sess
CSCux82377 ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB CSCux90880 ASR1004 memory leak due to SSS Manager CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515 : CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy38709	Memory leak with watcher_create_common.
CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515: CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy54623	Evaluation of all for OpenSSL March 2016
CSCuy69440 ISG Critical Exception and crashing with SSS-Manager holding memory CSCuy14138 RFC 5515 : CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCux82377	ASR 1K ISG Router Crashes When Polling "csubSessionEntry" MIB
CSCuy14138 RFC 5515 : CSUN is triggered when IPBSA service is applied CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCux90880	ASR1004 memory leak due to SSS Manager
CSCux81900 RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy69440	ISG Critical Exception and crashing with SSS-Manager holding memory
CSCuy94842 Crash on router when using stcapp CSCuz03079 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy14138	RFC 5515 : CSUN is triggered when IPBSA service is applied
CSCuy87720 ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE" CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCux81900	RFC 5515:ICRQ having Blank circuit-id and incorrectly formatted AVP's
CSCuy87720 Commit libQsig for both 64bit and 32bit	CSCuy94842	
	CSCuz03079	ISR-4K Processing Error: H323 Setup parameter "mediaWaitForConnect TRUE"
CSCuz23329 Many inactive sccp sessions in show sccp connections	CSCuy87720	Commit libQsig for both 64bit and 32bit
	CSCuz23329	Many inactive sccp sessions in show sccp connections

Identifier	Description
CSCuy85653	One way audio via ISR 4K after call is resumed from IP phone after SNR
CSCuy79096	show call active voice brief crashed router with FLEX DSPRM MAIN
CSCuy65330	RSVP Reservation Failure Causes Call Drop on Voice to Video Calls
CSCuy43633	Voice Gateways - SCCP Early Offer fails with IPv6 enabled.
CSCuz58660	FXO port stuck with "Connection plar opx immediate" under CUCM
CSCuz42755	FXS Ports on VG320 registered on CUCM via MGCP stop working after reset
CSCuz20065	needs to discard voip packet for lmr half duplex case in isr4k
CSCuy80902	VG320 - voice-port power alarms and loud noise when call is answered
CSCuy15638	Voice ports are stuck in EM_PARK state in e&m-melcas-delay
CSCuv87098	Connected number not populated in RPID correctly
CSCuy68921	Crash seen when forwarding of SIP MWI as qsig MWI on ISR4k and ISRG2
CSCuz22409	SIP UPDATE/Re-INVITE not passed to one of the recording legs by CUBE
CSCus03761	Stack overflow crash @ ip_epm_proxy_slow_check.
CSCuz60446	TDM to SIP - Gateway views outgoing SDP content-length size inaccurately
CSCum05146	NAT SIP ALG removes certain media attributes
CSCuz17364	DTMF Type ahead buffer on GW with Nuance not working

Open Bugs—Cisco IOS Release 15.6(1)S1

This section lists the open bugs for Cisco IOS Release 15.6(1)S1. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 5 Cisco IOS Release 15.6(1)S1 Open Bugs

Identifier	Description
CSCuw81424	AN: Router crashes in scale hub & spoke setup
CSCuy03054	ASR1K IOSd may crash in BGP Accepter process due to segmentation fault
CSCuy01341	Crash on processing packet on cws-tunnel in
CSCuw75695	Router crash due to Process = SSS Manager
CSCux96341	3945 crash on flapping tunnels with traffic
CSCuy08412	ASR1K fman_fp_image crash with ACL changes
CSCuy20489	ASR experiences ucode crashes on 15.6(1)S due to sipvicious
CSCuy16530	Crash after member link re-added to port-channel and clear counters CMD
CSCuy39110	ESRST voice gateway crash when SCCP phone goes off-hook
CSCuy38157	Router crash during handling L2 and L3 subscribers at the same time

Resolved Bugs—Cisco IOS Release 15.6(1)S1

This section lists the resolved bugs for Cisco IOS Release 15.6(1)S1. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 6 Cisco IOS Release 15.6(1)S1 Resolved Bugs

Identifier	Description
CSCuw38000	Password complexity implementation does not match DISA requirements
CSCux44780	ASR1K/ISR4K crashes after removing tunnel interface
CSCuw66787	Clear ip nat translation vrf X impacts vrf Y
CSCuw79036	AN: Device id/address is not getting populated properly beyond 127
CSCux80195	AN: Manual tunnel creation fails after few ACP flap
CSCux75878	AN: UDI getting truncated in "show autonomic registrar devices accepted"
CSCux70853	ISR - 4400 crash
CSCux88022	ASR1K: Crash at dhcp_sip_get_config
CSCux33385	DHCP binding deletes cash after getting unicast DHCP request
CSCuw99105	DNS query is being sent with wrong interface IP instead of configured IP
CSCuy04058	ISR-4K IOS CFB resources get into hung state (inactive)
CSCux70821	HSRP crashed after changed serial int encaps from frame-relay to DHCP
CSCux11291	OTV adjacency does not come-up with VRF
CSCuw48118	ASR920 - crash in bcopy called from 'addnew' during reassembly
CSCuw74179	CSR: static route via VTI fails to restore after Interface shut/no shut
CSCux29974	ISR4k:UnconfiguredIpv4Fia drop seen for pkts transit via PPPoE
CSCuw90105	Found multiple sessions in MF multiple recording server scenario
CSCux09048	flow restrict on backup crypto map causes traffic to fail
CSCux99250	ASR 903 IPv6 Multicast crashes
CSCuy19395	ASR1006 :crashes after running the "redundancy force-switchover" command
CSCus72718	L2TPv3 session pending between 2 devices
CSCux05779	LISP possible segmentation fault with DDT enabled
CSCuu75176	Multiple AN values for Rx SA observed in show macsec status
CSCux38250	ASR-903 crashes when configuring MPLS Explicit Null
CSCuu30930	ENH IOS PKI: Client should accept content-type x-x509-next-ca-cert
CSCuw24373	Called-station-id and NAS-ID via account profile satus query
CSCuu20167	Radius-Proxy Session-Restart fails after ISG idle-timout
CSCuw91822	vISG not sending COA Response
CSCuw61282	ANCP process crash while sending scale port up messages
CSCuw70580	csr 1000v reboot when configuring firewall
CSCux52451	VRF Domain half open counter increments when aggressive aging occurs

Identifier	Description
CSCux35719	ASR1K QFP crash with SSLVPN
CSCuv19528	CPU Spikes 99% for 32k scale with common acl and per user ace download
CSCuu74719	ISR 4331 - SRST - Router crash with PSTN conferencing (LocalSoft)
CSCuw51653	SIP SRST router in eSRST mode reject phone registration due to + DN
CSCux03041	LDP NSR: Session Flaps on Standby RP Due to MD5 Authentication Failure
CSCux07364	QoS settings on Cisco ISR-4K VG for TDM to IP
CSCuy16501	After IOS upgrade users hear static during external calls
CSCux88265	DSP errors seen and audio fails for MGCP-FXO to IP Phone call
CSCux22874	On demand PCM captures needs to be available on ISR4k routers
CSCux29793	2 extra Interim Accounting messages sent after SRL service activation

Resolved Bugs—Cisco IOS Release 15.6(1)S

This section lists the resolved bugs for Cisco IOS Release 15.6(1)S. All the bugs have a link to the Bug Search Tool where you can find details of the specific bug. This section describes only severity 1, severity 2, and select severity 3 bugs.

Table 7 Cisco IOS Release 15.6(1)S Resolved Bugs

Identifier	Description
CSCuw59839	ASR903-200G: Associated sensors are not populated for 200G RSP.
CSCuv30861	ATM auto-vc VCs unable to activate, stuck in deleted state
CSCul15273	AN Link local Tunels not deleted after no autonomic is issued
CSCuv87599	Manually entered IKEv2 crypto profile not NVgen-ed with AN active
CSCut74192	bfd session not coming up after interface in vrf shut and no shut
CSCuv66776	MQC Policy-map counters do not update in T3/E3 SPA
CSCuw37313	IPsec crash at UNIX-EXT-SIGNAL: Aborted(6), Process = NIST rng proc
CSCuu41817	3850 cts assigning multicast traffic to sgt default (65535)
CSCuw23857	Crash at CWS TUN WL process while running DSA script
CSCuv72590	CWS-Tunnel adjacency not formed even though tunnel is UP
CSCuw23345	CWS: Parameter-map primary tower configuration issue
CSCut40756	ISR Crashing when upgrading image
CSCuo91040	ENH: Add "ip dhcp support tunnel unicast" command to IOS-XE
CSCuv39338	ISG: DHCP Server RADIUS Proxy Memory Leak
CSCuw18886	Crash while removing whitelist with 1K entries in DSA DB
CSCuv61150	crash while removing whitelisting with 5k IP's in DSA DB
CSCut37527	MDC: mc origin not found rejecting the channel addition on branch master
CSCut98730	EIGRP authentication fail with key config-key password encryptionenabled
CSCuq78983	RIPv2 key-chain CLI disappears when doing config replace

CSCu12738 [ASR1K QoS feature doesn't work fine with RP2/Rls3.x CSCu12738 [ASR1K HSRP] Physical Link Failure Causes HSRP to Fail CSCuw45996 DM on EVC BD Up mep, reload inactive SLA session showing wrong values. CSCuw12720 MallocLite memory leak due to EEM when using "file open" action. CSCuw22720 MallocLite memory leak due to EEM when using "file open" action. CSCuw26844 Interrupt stack overrun and crash caused by MPLS recursive tunnel lookup CSCuw26303 Router crash triggered by service policy and ipv6 traffic CSCuw05651 EzPM causes STACKLOW message and a subsequent crash CSCuw180144 Beni MR1: Debug(network-rf) enabled by default on Mingla CSCuw46432 Chunk Manager Leak due to PROTO_COUNTER CSCuw26939 ISR4k: MAC address for STCAPP FXS ports will show as 0000000000 CSCuv19154 After upgrade of IOS-XE software, appnav functionality maybe impacted. CSCuw83793 AppNav-XE drop packets when traffic from WAAS has wrong ID CSCuw82763 Evaluation of ciscoss1 in binos for OpenSSL June 2015 vulnerabilities CSCu772779 XE314: B2B NAT: Stale NAT translations observed on Active rtr CSCu399756 EFP crash with vxlan meast core and unicast traffic 1400 size Vxlan source port calculated based on src and dest IP/port of payload interface IP address change cause leaked routes in exported vrfs CSCu80048 interface IP address change cause leaked routes in exported vrfs CSCu40903 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCu209037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCu41440 Old active not coming up after first sso also seeing a traceback. CSCu208199 [Amur-MR3][IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCu40833 [PSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCu708036 [PSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCu708041 [PSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCu708041 [PSEC key engine process leaks /w dynamic crypto map in scaled	Identifier	Description
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CSCuv45996 DM on EVC BD Up mep, reload inactive SLA session showing wrong values. CSCuw12720 MallocLite memory leak due to EEM when using "file open" action. CSCus26844 Interrupt stack overrun and crash caused by MPLS recursive tunnel lookup CSCuu03778 ISSU:XE313< ->XE314 Traceback@fib_subtree_context_lc_unpack_xdr after RV CSCuu26303 Router crash triggered by service policy and ipv6 traffic CSCuw05651 EzPM causes STACKLOW message and a subsequent crash Beni MR1: Debug(network-rf) enabled by default on Mingla CSCut44432 Chunk Manager Leak due to PROTO_COUNTER CSCuu26939 ISR4k: MAC address for STCAPP FXS ports will show as 0000000000 CSCuv19154 After upgrade of IOS-XE software, appnar functionality maybe impacted. CSCuv83793 AppNav-XE drop packets when traffic from WAAS has wrong ID CSCuu82763 Evaluation of ciscossl in binos for OpenSSL June 2015 vulnerabilities CSCur72779 XE314: B2B NAT: Stale NAT translations observed on Active rtr CSCuv39756 EFP crash with vxlan meast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload interface IP address change cause leaked routes in exported vrfs CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv29037 Remove unnecessary packet debugs for UDP tunnels CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv29036 Remove unnecessary packet debugs for UDP tunnels CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv29038 ISS	CSCut12738	[ASR1K HSRP] Physical Link Failure Causes HSRP to Fail
CSCuw12720 MallocLite memory leak due to EEM when using "file open" action. CSCus26844 Interrupt stack overrun and crash caused by MPLS recursive tunnel lookup CSCuu03778 ISSU:XE313<->XE314 Traceback@fib_subtree_context_lc_unpack_xdr after RV CSCuw05651 EzPM causes STACKLOW message and a subsequent crash CSCuw05651 EzPM causes STACKLOW message and a subsequent crash CSCut801144 Beni MR1: Debug(network-rf) enabled by default on Mingla CSCut44432 Chunk Manager Leak due to PROTO_COUNTER CSCuw26939 ISR4k: MAC address for STCAPP FXS ports will show as 0000000000 CSCuv19154 After upgrade of IOS-XE software, appnav functionality maybe impacted. CSCuw83793 AppNav-XE drop packets when traffic from WAAS has wrong ID CSCuw82763 Evaluation of ciscossl in binos for OpenSSL June 2015 vulnerabilities CSCur72779 XE314: B2B NAT: Stale NAT translations observed on Active rtr CSCuv39756 EFP crash with vxlan meast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload interface IP address change cause leaked routes in exported vrfs CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuv90943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv189835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv28199 [As 4K Crash during Keychain Config w/ "Pass enc AES" Enabled MCCV26780 Memory leak when qos pre-classify is configured with Crypto ipv6 bgp neighborship does not come up CSCuv14149 ISR 63 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv39714 CSML After config/UNCONFIG MPLS, can NOT config OTV. MPLS stil	CSCuu87276	Link-protection group config is removed from interface after IM_OIR
CSCus26844 Interrupt stack overrun and crash caused by MPLS recursive tunnel lookup CSCuu03778 ISSU:XE313<->XE314 Traceback@fib_subtree_context_lc_unpack_xdr after RV CSCuu26303 Router crash triggered by service policy and ipv6 traffic CSCuw05651 EzPM causes STACKLOW message and a subsequent crash CSCut80144 Beni MR1: Debug(network-rf) enabled by default on Mingla CSCut44432 Chunk Manager Leak due to PROTO_COUNTER CSCuu26939 ISR4k: MAC address for STCAPP FXS ports will show as 0000000000 CSCuv19154 After upgrade of IOS-XE software, appnav functionality maybe impacted. CSCuv83793 AppNav-XE drop packets when traffic from WAAS has wrong ID CSCuv82763 Evaluation of ciscossl in binos for OpenSSL June 2015 vulnerabilities CSCur72779 XE314: B2B NAT: Stale NAT translations observed on Active rtr CSCuv39756 EFP crash with vxlan meast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload CSCuv80048 interface IP address change cause leaked routes in exported vrfs CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuv19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv8835 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv28036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv23024 high Cyb ps neighborship does not come up CSCuv1419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv24140 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv26754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv45996	DM on EVC BD Up mep, reload inactive SLA session showing wrong values.
CSCuu03778 ISSU:XE313<->XE314 Traceback@fib_subtree_context_lc_unpack_xdr after RV CSCuu26303 Router crash triggered by service policy and ipv6 traffic CSCuw05651 EzPM causes STACKLOW message and a subsequent crash CSCut80144 Beni MR1: Debug(network-rf) enabled by default on Mingla CSCut44432 Chunk Manager Leak due to PROTO_COUNTER CSCuu26939 ISR4k: MAC address for STCAPP EXS ports will show as 0000000000 CSCuv19154 After upgrade of IOS-XE software, appnav functionality maybe impacted. CSCuv83793 AppNav-XE drop packets when traffic from WAAS has wrong ID CSCuu82763 Evaluation of ciscossl in binos for OpenSSL June 2015 vulnerabilities CSCur72779 XE314: B2B NAT: Stale NAT translations observed on Active rtr CSCuv39756 EFP crash with vxlan meast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload CSCuu80048 interface IP address change cause leaked routes in exported vrfs CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuv19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv299758 Remove unnecessary packet debugs for UDP tunnels CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCuv80930 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv23024 [High CPU in FNF Cache Ager P CSCuv23024 [PSE K 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv23024 [PSE K 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv23024 [PSE Gas is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv7441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuw12720	MallocLite memory leak due to EEM when using "file open" action.
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CSCuu82763 Evaluation of ciscossl in binos for OpenSSL June 2015 vulnerabilities CSCur72779 XE314 : B2B NAT : Stale NAT translations observed on Active rtr CSCuv39756 EFP crash with vxlan mcast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload CSCuu80048 interface IP address change cause leaked routes in exported vrfs CSCue68124 PBR not work with null0 default route CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASRIk OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv19154	After upgrade of IOS-XE software, appnav functionality maybe impacted.
CSCur72779 XE314: B2B NAT: Stale NAT translations observed on Active rtr CSCuv39756 EFP crash with vxlan meast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload CSCuu80048 interface IP address change cause leaked routes in exported vrfs CSCue68124 PBR not work with null0 default route CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv83793	AppNav-XE drop packets when traffic from WAAS has wrong ID
CSCuv39756 EFP crash with vxlan meast core and unicast traffic 1400 size CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload CSCuu80048 interface IP address change cause leaked routes in exported vrfs CSCue68124 PBR not work with null0 default route CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuv28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuu82763	Evaluation of ciscossl in binos for OpenSSL June 2015 vulnerabilities
CSCuv14905 vxlan source port calculated based on src and dest IP/port of payload CSCuu80048 interface IP address change cause leaked routes in exported vrfs CSCue68124 PBR not work with null0 default route CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuu28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCur72779	XE314 : B2B NAT : Stale NAT translations observed on Active rtr
CSCuu80048 interface IP address change cause leaked routes in exported vrfs CSCue68124 PBR not work with null0 default route CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuu28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv39756	EFP crash with vxlan mcast core and unicast traffic 1400 size
CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuu28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv14905	vxlan source port calculated based on src and dest IP/port of payload
CSCuv80943 MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs CSCuw19340 Mixed Mode: Tunnel changes for mixed mode support for VTI. CSCuu29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuu28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuu80048	interface IP address change cause leaked routes in exported vrfs
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CSCuv29037 MPLS VPN OVER MGRE fails if physical interface used instead of loopback. CSCuv99758 Remove unnecessary packet debugs for UDP tunnels CSCut24140 Old active not coming up after first sso also seeing a traceback. CSCuu28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv80943	MCP_DEV:Packet drops@Ipv6NoRoute with ipv6gre configs
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CSCuu28199 [Amur-MR3]IOSD crash reported@spi_iosd_ipc_process_inbound_mts_msg CSCuv08835 [PSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 [ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 [ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuu29037	MPLS VPN OVER MGRE fails if physical interface used instead of loopback.
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CSCuv08835 IPSEC key engine process leaks /w dynamic crypto map in scaled scenario CSCun57148 High CPU in FNF Cache Ager P CSCut98036 ISR 4K Crash during Keychain Config w/ "Pass enc AES" Enabled CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCut24140	Old active not coming up after first sso also seeing a traceback.
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CSCuv26780 Memory leak when qos pre-classify is configured with Crypto CSCut23024 ipv6 bgp neighborship does not come up CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCun57148	High CPU in FNF Cache Ager P
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CSCuv11419 ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message. CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv26780	Memory leak when qos pre-classify is configured with Crypto
CSCuv07441 ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCut23024	ipv6 bgp neighborship does not come up
CSCuv39712 asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there. CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv11419	ISR G3 is rejecting the incoming ISDN call setup (SEGMENT) message.
CSCuv56754 EoMPLS xconnect remains "RECOVERING" after RP SSO on egress CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv07441	ASR1k OTV FHRP packets are blocked even with 'no fhrp filter' CLI
CSCuv29418 Router is continuously switching between active and standby EoMPLS PW	CSCuv39712	asr1k After config/UNCONFIG MPLS, can NOT config OTV. MPLS still there.
	CSCuv56754	EoMPLS xconnect remains "RECOVERING" after RP SSO on egress
CSCuu50269 RSP2: MSPW sessions down on S-PE after SSO	CSCuv29418	Router is continuously switching between active and standby EoMPLS PW
	CSCuu50269	RSP2: MSPW sessions down on S-PE after SSO

Identifier	Description
CSCuu92194	RSP3:HSPW PW-Group Switchover results in traffic blackhole with no scale
CSCut24465	Static VFI went down after PTF reset
CSCuv34896	VPLS autodiscovery PW failed to comeup when BGP recovers from failure
CSCuu36041	VPLS BGP AD resignalling time takes ~20-40s for multi-homing scenario
CSCuu88964	ASR1K Kernel crash at pidns_get()
CSCuv57459	ASR1K Kernel crash at pidns_get() - part 2
CSCuv23340	Core file not getting generated after kernel crash in crete platform
CSCuu90695	DM/SM boundary (S,G) are not repopulated: Multicast Missing Registration
CSCuu30091	MCP_DEV:Packet drops@Ipv4NoAdj with V6MVPN configs
CSCuv18439	CPUHOGS in chunk corruption crashinfos distracts troubleshooting
CSCuu37200	SC install fails after link re-route
CSCuv61750	ASR903 MCP_DEV: Mismatch in VC label programming, EoMPLS scenario
CSCuv65370	Avoid any action on Leap SEcond indictor flag for non-leap second months
CSCut64845	Crashdump does not work on PPC Platform
CSCuv22992	PFR router crashes due to watchdog when displaying config
CSCuu97977	Pfrv2 load-balance not working with passive mode.
CSCuv30857	Crash observed in SSS Manager - 16K PM testing
CSCuv31586	Crash on stby RP while Oversubscription
CSCuu28688	Oversubscription not working with "shaper average percent" config
CSCut22660	Session in attempting state on standby when method list is default
CSCur88124	default throttling require other defaults in some cases
CSCut68925	Crash seen in QOS when policy-map without child or turbo svc is used
CSCuv21984	Fair-queue queue-limit force adjust after change queue-limit.
CSCuu68862	SUP crash @ Process = SNMP ENGINE
CSCuv74171	crash on command "show snmp view"
CSCuu06215	AAA sends garbage value to SSH and causes RP crash
CSCuu78845	IOS 15.5 SSH auth does not progress to next method
CSCuv56698	ASR1k standby-hot RP crash at SSS Bad root chunk pointer
CSCut65242	ISG passing traffic while configured default drop should be used
CSCuu75354	ISG: Dedicated session provisioning failure post lite session conversion
CSCut87425	CPU hog in "EEM TCL Proc" after TCL script termination with long runtime
CSCuv51901	ASR1K BGP send UPDATE don't observe the TCP OPTION

Related Documentation

The following sections describe the documentation available for Cisco IOS Release 15.5S. These documents include hardware and software installation guides, Cisco IOS configuration and command reference publications, system error messages, and feature modules.

Documentation is available online on Cisco.com.

Use these release notes with the resources described in the following sections:

- Platform-Specific Documents, page 47
- Cisco Feature Navigator, page 47
- Cisco IOS Software Documentation Set, page 48
- Notices, page 48
- Obtaining Documentation and Submitting a Service Request, page 50

Platform-Specific Documents

Cisco 7600 Series Routers

http://www.cisco.com/en/US/products/hw/routers/ps368/tsd_products_support_series_home.html

Cisco ASR 901 Router

http://www.cisco.com/en/US/products/ps12077/index.html

Cisco ME 3600X Switch

http://www.cisco.com/en/US/products/ps10956/index.html

Cisco ME 3600X-24CX Switch

http://www.cisco.com/en/US/prod/collateral/switches/ps6568/ps10956/data_sheet_c78-708663.html

Cisco ME 3800X Switch

http://www.cisco.com/en/US/products/ps10965/index.html

Cisco Feature Navigator

Cisco IOS software is packaged in feature sets that are supported on specific platforms. To get updated information regarding platform support for this feature, access Cisco Feature Navigator. Cisco Feature Navigator dynamically updates the list of supported platforms as new platform support is added for the feature.

Cisco Feature Navigator is a web-based tool that enables you to quickly determine which Cisco IOS and Catalyst OS 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 release. Under the release section, you can compare releases side by side to display both the features unique to each software release and the features in common.

Cisco Feature Navigator is updated regularly and 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

Cisco IOS Software Documentation Set

The Cisco IOS Release 15.6S documentation set consists of configuration guides, command references, and other supporting documents and resources. For the most current documentation, go to the following URL:

http://www.cisco.com/en/US/products/ps13594/tsd_products_support_series_home.html

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This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

This product includes software written by Tim Hudson (tjh@cryptsoft.com).

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The implementation was written so as to conform with Netscapes SSL.

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