

Features and Important Notes for Cisco IOS Release 15.3(2)S

These release notes describe the following topics:

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New and Changed Information

This section lists the new hardware and software features supported by Cisco IOS Release 15.3(2)S and contains the following subsections:

- [New Hardware Features in Cisco IOS Release 15.3\(2\)S2, page 19](#)
- [New Software Features in Cisco IOS Release 15.3\(2\)S2, page 19](#)
- [New Hardware Features in Cisco IOS Release 15.3\(2\)S1, page 19](#)
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New Hardware Features in Cisco IOS Release 15.3(2)S2

There are no new hardware features in Cisco IOS Release 15.3(2)S2.

New Software Features in Cisco IOS Release 15.3(2)S2

There are no new software features in Cisco IOS Release 15.3(2)S2.

New Hardware Features in Cisco IOS Release 15.3(2)S1

There are no new hardware features in Cisco IOS Release 15.3(2)S1.

New Software Features in Cisco IOS Release 15.3(2)S1

There are no new software features in Cisco IOS Release 15.3(2)S1.

New Hardware Features in Cisco IOS Release 15.3(2)S

There are no new hardware features in Cisco IOS Release 15.3(2)S.

New Software Features in Cisco IOS Release 15.3(2)S

This section describes new and changed features in Cisco IOS Release 15.3(2)S. Some features may be new to Cisco IOS Release 15.3(2)S but were released in earlier Cisco IOS software releases. Some features may have been released in earlier Cisco IOS software releases and have been changed in Cisco IOS Release 15.3(2)S. Links to feature modules are included. If a feature listed does not have a link to a feature module, that feature is documented only in the release notes.

AES-CTR Support for SSHV2

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/sec_usr_ssh/configuration/15-s/sec-secure-shell-v2.html

BFD Multihop Support for IPv4 Static Routes

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_bfd/configuration/15-s/irb-bfd-mhop-ip4-static.html

BFD Support for Multicast (PIM)

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/ipmulti_pim/configuration/15-s/imc_bfdpim.html

BGP—local-AS allow-policy

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_bgp/configuration/15-s/irg-local-as-policy.html

BGP—RT/VPN-ID Attribute Rewrite Wildcard

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_bgp/configuration/15-s/irg-rtp-vpn-distinguisher.html

BGP—VRF Aware Conditional Announcement

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_bgp/configuration/15-s/irg-vrf-conditional-adv.html

Disable MAC Learning Over Bridge-Domain

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/swevc.html

DOSFS Support for Secure Digital Card

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/15.3_2_S/configuration/guide/swsdf-flash.html

EIGRP Support for 6PE/6VPE

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_eigrp/configuration/15-s/ire-15-s-book_chapter_010000.html

Enabling Bandwidth Guarantee for Ingress in SIP-400

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/interfaces_modules/shared_port_adapters/configuration/7600series/76cfsip.html

E-OAM: Multi UNI MEP in the Same VPN

Platform: Cisco ASR 901

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

<http://www.cisco.com/en/US/docs/ios-xml/ios/cether/configuration/15-s/multi-uni-mep.html>

ERSPAN over EVC

Platform: Cisco7600

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

http://www.cisco.com/en/US/docs/routers/7600/install_config/ES40_config_guide/es40_chap4.html

Ethernet Data Plan Loopback

Platform: Cisco7600

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

http://www.cisco.com/en/US/docs/routers/7600/install_config/ES40_config_guide/es40_chap4.html#wpref9500879

EVC Default Encapsulation for QinQ and Xconnect

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/oam.html

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/swevc.html

EVC Local Connect

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/15.3_2_S/configuration/guide/swevc.html

Hot Standby Pseudowire Support for ATM and TDM Access Circuits

Platform: ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/pseudowire.html

IP FRR/Remote LFA FRR with L2VPN and VPLS

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/ios-xml/ios/mp_12_vpns/configuration/15-s/mp-l2vpn-lfa-frr.html

IP Tunneling—6RD IPv6 Rapid Deployment

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/routers/7600/install_config/ES40_config_guide/es40_chap13.html#wpxref50691

IP SLA—Service Performance Testing Infrastructure

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

http://www.cisco.com/en/US/docs/ios-xml/ios/ipsla/configuration/15-s/sla_y1564.html

IPSLA Support for Ethernet Synthetic Loss Measurement in Y1731

Platform: ASR 901

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

http://www.cisco.com/en/US/docs/ios-xml/ios/ipsla/configuration/15-s/sla_mether3_y1731.html

IPv6: RIPng VRF Aware Support

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_rip/configuration/15s/irr-ipv6-ripng.html

IS-IS—Inbound Filtering

Platform: 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_isis/configuration/15-s/irs-15-s-book.html

IS-IS IPv4 Remote Loop Free Alternate Fast ReRoute

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/remote_lfa-frr.html

L2VPN Protocol Base CLIs

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/15.3_2_S/configuration/guide/swl2vpn_prot_based.html

Microwave ACM Signaling and EEM Integration

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/mw_acm.html

OSPF IPv4 Remote Loop Free Alternate IP Fast-Reroute

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/remote_lfa-frr.html

OSPFv2 Loop Free Alternate Fast ReRoute

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/remote_lfa-frr.html

OSPFv3 MIB

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/mib/reference/asr_mib.html

QoS Support for Dataplane Loopback for EFP

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/15.3_2_S/configuration/guide/swedpl.html

Recursive Static Route

Platform: Cisco 7600

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_pi/configuration/15-s/iri-15-s-book_chapter_01101.html

RMON Full

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/15.3_2_S/configuration/guide/swrmon.html

Simple Network Time Protocol Version 4

Platform: Cisco 7600

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

<http://www.cisco.com/en/US/docs/ios-xml/ios/bsm/configuration/15-s/bsm-sntp4.html>

Subsec Link OAM Timers

Platform: Cisco ASR 901

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/oam.html

Support for MPLS Labels with PTP Traffic (PTPoMPLS)

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX

This release introduces support for time stamping and processing of MPLS labelled PTP traffic. The following encapsulation types are supported:

- VPN
- BGP IPv4
- LDP

- FRR

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

http://www.cisco.com/en/US/docs/switches/metro/me3600x_3800x/software/release/15.3_2_S/chassis/configuration/guide/swclocking.html

VPLS BGP Signaling

Platform: Cisco ME 3600X, Cisco ME 3600X-24CX, Cisco ME 3800X

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

http://www.cisco.com/en/US/docs/ios-xml/ios/iproute_bgp/configuration/15-s/irg-vpls-bgp-sig.html

Y.1731 Performance Monitoring

Platform: Cisco ASR 901

Y.1731 Performance Monitoring feature provides standards-based Ethernet performance monitoring as outlined in the ITU-T Y-1731 specification and interpreted by the Metro Ethernet Forum (MEF).

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

http://www.cisco.com/en/US/docs/wireless/asr_901/Configuration/Guide/y1731pm.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 e-mail to cco-locksmith@cisco.com. An automatic check will verify that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password will be e-mailed 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 15.3S:

- [Field Notices and Bulletins, page 25](#)

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.