



Features and Important Notes for Cisco IOS Release 15.6(3)M

These release notes describe the following topics:

- [New and Changed Information, on page 1](#)
- [MIBs, on page 3](#)
- [Important Notes, on page 4](#)

New and Changed Information

This section lists the new hardware and software features supported by Cisco IOS Release 15.6(3)M and contains the following subsections:

New Hardware Features Supported in Cisco IOS Release 15.6(3)M

This section describes new and changed hardware features in Cisco IOS Release 15.6(3)M. Some features may be new to Cisco IOS Release 15.6(3)M 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 15.6(3)M. 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.

Re-spin of C86xVAEW to create new Non-WiFi SKUs - C86x7VAE

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

<http://www.cisco.com/c/en/us/td/docs/routers/access/800/hardware/installation/guide/800HIG/prodoverview.html>

New Software Features Supported in Cisco IOS Release 15.6(3)M

This section describes new and changed features in Cisco IOS Release 15.6(3)M. Some features may be new to Cisco IOS Release 15.6(3)M 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 15.6(3)M. 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.

Consumption of Forked 18x Responses with SDP for CUBE

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

<http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/voice/cube/configuration/cube-book/voi-cube-forked-18x-responses.html>

CWA URL Redirect Support on C891FW

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

http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_usr_aaa/configuration/15-mt/sec-usr-aaa-15-mt-book/sec-cwa-url-redirect.html

Digital Alarm Output Support

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

<http://www.cisco.com/c/en/us/support/routers/1000-series-connected-grid-routers/products-installation-and-configuration-guides-list.html>

iOAMv6

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

http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipv6_nman/configuration/15-mt/ip6n-15-mt-book/ip6-ioamv6.html

LoRa Interface Manager

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

<http://www.cisco.com/c/en/us/td/docs/routers/access/800/829/15-6-3M-Release-Notes.html>

Mesh Security Enhancement

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

<http://www.cisco.com/c/en/us/support/routers/1000-series-connected-grid-routers/products-installation-and-configuration-guides-list.html>

Multitenancy Call Routing and Scaling Enhancements for CUBE

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

<http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/voice/cube/configuration/cube-book/voi-cube-multi-vrf.html>

NAT Box-to-Box HA Support

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

http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr_nat/configuration/15-mt/nat-15-mt-book/iadnat-b2b-ha.html

Night Service support for SIP Phones

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

http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucme/admin/configuration/guide/cmeadm/cmecover.html

PfRv3 Probe Reduction

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

<http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/pfirv3/configuration/15-mt/pfirv3-15-mt-book/pfi-probe-reduction.html>

Re-spin of C86xVAEW to create new Non-WiFi SKUs - C86x7VAE

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

http://www.cisco.com/c/en/us/td/docs/routers/access/800/software/configuration/guide/SCG800Guide/SCG800_Guide_BookMap_chapter_01.html

Support copper SFP GLC-T

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

<http://www.cisco.com/c/en/us/td/docs/routers/access/800/829/software/configuration/guide/IR800config.html>

Support CPU Module on CGR1000

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

<http://www.cisco.com/c/en/us/support/routers/1000-series-connected-grid-routers/products-installation-and-configuration-guides-list.html>

Support for Auto Registration of SIP Phones

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

http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucme/admin/configuration/guide/cmeadm/cmebasic.html

Support for BACD with Voice Hunt Group

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

http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucme/bacd/configuration/guide/cme40tcl/40bacd.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 15.6M&T:

Field Notices and Bulletins

- Field Notices—We recommend 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/c/en/us/products/ios-nx-os-software/ios-software-releases-listing.html>

ADSL/VDSL Embedded Firmware and SDK Change with Cisco IOS Release 15.6(3)M

The ISR800 and ISR G2 which run the IOS release 15M/T is integrated with the DSL Firmware 35J for DSL Annex(es) A/M and 35J for Annex B/J. With Cisco IOS Release 15.6(3)M, the plan is to change the embedded BRCM Firmware in IOS to 39T for Annex A/M and 38r1 for Annex B/J. This change will affect only the 880/890 and ISR G2+EHWIC SKUs which carry the BRCM6368 chipset. There is also a plan to upgrade the current SDK version, which is used to compile the Firmware. The SDK version for bootloader and embedded LINUX must be 4.14L.04A. If you plan to migrate to Cisco IOS Release 15.6(3)M or later releases, you must use the embedded 39T FW version or later, compiled with the newer SDK. You can continue to use the available Firmware versions if you are on Cisco IOS Release 15.6(2)T or earlier releases.

Logging into the Embedded AP and Etherswitch Modules

Starting from Cisco IOS Release 15.6(03)M03, you have to configure 'transport input all' under the 'line config' to log in to the embedded AP and Etherswitch modules.