



New Features in Cisco IOS Release 12.2(33)SCB

The following features were introduced in Cisco IOS Release 12.2(33)SCB. Links to feature documentation are also included.

Feature guides may contain information about more than one feature. To find information about a specific feature within a feature guide, see the Feature Information table at the end of the guide.

Feature guides document features that are supported on many different software releases and platforms. Your Cisco IOS software release or platform may not support all the features documented in a feature guide. See the Feature Information table at the end of the feature guide for information about which features in that guide are supported in your software release. Use Cisco Feature Navigator to find information about platform support and Cisco IOS and Catalyst OS software image support. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.

For the latest feature information and caveats, see the release notes for your platform and software release at the following URL:

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

See the following sections for a list of features:

- [New Hardware Features in Cisco IOS Release 12.2\(33\)SCB, page 1](#)
- [New Software Features in Cisco IOS Release 12.2\(33\)SCB, page 2](#)

New Hardware Features in Cisco IOS Release 12.2(33)SCB

Cisco 5-port Gigabit Ethernet SPA (SPA-5x1GE-V2)

http://www.cisco.com/en/US/docs/interfaces_modules/shared_port_adapters/install_upgrade/uBR10012/hwsipspa.html

Cisco 1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics (SPA-1x10GE-L-V2)

http://www.cisco.com/en/US/docs/interfaces_modules/shared_port_adapters/install_upgrade/uBR10012/hwsipspa.html



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Cisco 10000 Series Performance Routing Engine 4

http://www.cisco.com/en/US/docs/interfaces_modules/cable/performance_routing_engine/installation/guide/pre5096.html

Cisco 10000 Series SPA Interface Processor-600

http://www.cisco.com/en/US/docs/interfaces_modules/shared_port_adapters/install_upgrade/uBR10012/hwsipspa.html

Cisco uBR10012 Universal Broadband Router DTCC Card

http://www.cisco.com/en/US/docs/interaces_modules/cable/installation/dtcccard.html

Copper SFP Support for HHGE on the Cisco uBR10012 Router

http://www.cisco.com/en/US/docs/interfaces_modules/cable/line_cards/ubr_hh_ge/quick/start/ubr_hhge.html

NPE-G2 Network Processing Engine on the Cisco uBR7225VXR Universal Broadband Router

http://www.cisco.com/en/US/docs/cable/cmts/ubr7200/ubr7225vxr/installation/guide/uBR7225VXR_HIG.html

New Software Features in Cisco IOS Release 12.2(33)SCB**Bypass the 24 Hour Timer for WB CM Use of Failed RF Channels**

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

CISCO-RF-MIB

<http://www.cisco.com/en/US/docs/cable/cmts/mib/reference/guide/ubrmibv5.html>

CM Steering

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_cm_steer.html

CMTS IPDR/SP

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ipdr_feature.html

DOCSIS 3.0 Downstream Bonding for Bronze Certification

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_ds_bonding.html

DOCSIS 2.0 MIBS

<http://www.cisco.com/en/US/docs/cable/cmts/mib/reference/guide/ubrmibv5.html>

DOCSIS 3.0 Multicast Support

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_d30_mcast_support.html

DOCSIS 3.0 OSS SNMP for Bronze Certification

<http://www.cisco.com/en/US/docs/cable/cmts/mib/reference/guide/ubrmibv5.html>

DOCSIS WFQ Scheduler

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_docsis_wfq_sch.html

Dynamic Bandwidth Sharing

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/cmts_dyn_bw_sharing.html

Dynamic Service Transaction ID Allocation

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/cmts_pktcable_mm.html

IGMP-Triggered VDOC Broadcast Support

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/VDOC_dbc_feature.html

IP SLA Features

IP SLAs Additional Threshold Traps

http://www.cisco.com/en/US/docs/ios/ipsla/command/reference/sla_book.html

IP SLAs CLI Phase 3

http://www.cisco.com/en/US/docs/ios/ipsla/command/reference/sla_book.html

IP SLAs - DHCP Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_dhcp.html

IP SLAs - Distribution of Statistics

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_dns.html

IP SLAs - DNS Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_dns.html

IP SLAs - FTP Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_ftp.html

IP SLAs - HTTP Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_http.html

IP SLAs - ICMP Echo Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_icmp_pathecho.html

IP SLAs - ICMP Path Echo Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_icmp_pathecho.html

IP SLAs for IPv6 (UDP Jitter, UDP Echo, ICMP Echo, TCP Connect)

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IP SLAs - MPLS VPN Awareness

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_overview.html

IP SLAs - Multi Operation Scheduler

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_multi_scheduler.html

IP SLAs - One Way Measurement

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_overview.html

IP SLAs - Path Jitter Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_icmp_pathjitter.html

IP SLAs Random Scheduler

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_multi_scheduler.html

IP SLAs - Reaction Threshold

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_threshold_mon.html

IP SLAs - Scheduler

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_overview.html

IP SLAs - TCP Connect Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_tcp.html

IP SLAs-- UDP Jitter Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_udp_jitter.html

IP SLAs - UDP Based VoIP Operation

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_udp_jitter_voip.html

IP SLAs--VoIP Threshold Traps

http://www.cisco.com/en/US/docs/ios/ipsla/configuration/guide/sla_threshold_mon.html

IPv6 MIBs

<http://www.cisco.com/en/US/docs/cable/cmts/mib/reference/guide/ubrmibv5.html>

ISSU - Cisco uBR10012 Router

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/cmts_issu.html

LB Prohibition Based on Group Policy ID

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_load-bal_dcc.html

Line Card High Availability Support for WB Cable Modems

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

MOC QoS on the Cisco CMTS Routers

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_mqc_qos.html

MxN MAC Domain DS Load Balancing

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

Onboard Failure Logging

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

PXF Divert Rate Limit Enhancements

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_pxf_drl_limit_enhance.html

RFC 4293 IP-MIB (IPv6 Only)

<http://www.cisco.com/en/US/docs/cable/cmts/mib/reference/guide/ubrmibv5.html>

RSVP-Based Video on Demand Support Over DOCSIS

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/VDOC_rsvp_feature.html

Subscriber ID Support for Packetcable

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/cmts_pktcable_mm.html

Subscriber Management Packet Filtering for DOCSIS 2.0

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/SMPF_feature.html

Subscriber Traffic Management Version 1.2

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/cmts_sbsbr_tfmgt.html

Upstream Utilization Optimization

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/cmts_upstream_rate_adapt.html

VoIP SFID Mapping

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

Voice Support on WB Modems

http://www.cisco.com/en/US/docs/cable/cmts/release/notes/12_2sc/122sc_cmts_rn.html

Wideband Modem Resiliency

http://www.cisco.com/en/US/docs/ios/cable/configuration/guide/ubr_wm_resiliency.html

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