

New Features in Cisco IOS Release 12.2

This index lists the Cisco IOS 12.2 features that are new since Cisco IOS Release 12.1. To access configuration documentation for a feature, click on the page number following the feature name.

**A B C D E F G H I L M N
O P Q R S T U V W X**

A

AAA Broadcast Accounting SC-96
 AAA Resource Accounting for the Cisco AS5300 and Cisco AS5800 Universal Access Servers SC-94
 AAA Server Group Deadtimer SC-122
 Airline Product Set Enhancements BC-492
 ATM PVC Range and Routed Bridge Encapsulation Subinterface Grouping WC-146
 ATM Routed Bridge Encapsulation WC-143

B

Bidirectional PIM IPC-451
 Bridging Between IEEE 802.1Q VLANs XC-360

C

Call Tracker Plus ISDN and AAA Enhancements for the Cisco AS5300 and Cisco AS5800 DC-93, DC-95, DC-287, FC-324, IPC-428, SC-42, SC-123, SC-126, SC-132
 Circuit Interface Identification MIB FC-321

Cisco AAA Server MIB and Additional Enhancements for the Cisco AS5300 and Cisco AS5800 Universal Access Servers FC-323, SC-96
 Cisco AAA Session MIB FC-323, SC-96
 Cisco IOS DHCP Relay Agent Support for Unnumbered Interfaces IPC-65
 Cisco IOS Dynamic Host Configuration Protocol Client IPC-65
 Cisco MICA Modem Dial Modifiers for Cisco AS5300 and AS5800 Universal Access Servers DC-77
 Cisco Resource Pool Manager CLID/DNIS Call Discriminator DC-749
 Cisco Transaction Connection Keepalive Timer BC-576
 Cisco uBR7200 Series MPLS VPN Cable Enhancements XC-99
 Class-Based Packet Marking QC-6, QC-8, QC-21, QC-26, QC-63
 Class-Based Shaping QC-14, QC-205, QC-217, QC-231
 Closed User Group Selection Facility Suppress Option WC-316
 Configurable per-VC Hold Queue Support for ATM Adapters QC-11, QC-100, QC-113, QC-140
 Configuring Burst Size in Low Latency Queueing QC-100, QC-113, QC-139
 Configuring IKE Extended Authentication SC-402
 Configuring IKE Shared Secret Using AAA Server SC-400
 COPS for RSVP QC-15, QC-253
 CTunnel (IP over a CLNS Tunnel) P3C-103

D

Dialer Idle Timer Inbound Traffic Configuration DC-394, DC-401, DC-453, DC-460, DC-634
 Dialer Profiles DC-447

BC Cisco IOS Bridging and IBM Networking Configuration Guide
DC Cisco IOS Dial Technologies Configuration Guide
FC Cisco IOS Configuration Fundamentals Configuration Guide
IC Cisco IOS Interface Configuration Guide
IPC Cisco IOS IP Configuration Guide
MWC Cisco IOS Mobile Wireless Configuration Guide
P2C Cisco IOS AppleTalk and Novell IPX Configuration Guide

P3C Cisco IOS Apollo Domain, Banyan VINES, DECnet, ISO CLNS, and XNS Configuration Guide
QC Cisco IOS Quality of Service Solutions Configuration Guide
SC Cisco IOS Security Configuration Guide
TC Cisco IOS Terminal Services Configuration Guide
VC Cisco IOS Voice, Video, and Fax Configuration Guide
WC Cisco IOS Wide-Area Networking Configuration Guide
XC Cisco IOS Switching Services Configuration Guide

Dial-on-Demand Authentication Enhancements SC-133
 DiffServ Compliant Weighted Random Early Detection
 QC-12, QC-13, QC-185, QC-190, QC-198
 Disabling LANE FLUSH Process XC-393
 Distributed Class-Based Weighted Fair Queueing QC-8,
 QC-10, QC-79, QC-83, QC-84, QC-91, QC-113
 Distributed Compressed Real-Time Protocol QC-15,
 QC-313, QC-318, QC-339
 Distributed Low Latency Queueing QC-9, QC-11, QC-83,
 QC-133
 Distributed Traffic Shaping QC-13, QC-14, QC-205,
 QC-239
 Distributed Weighted Random Early Detection QC-12,
 QC-177
 Dynamic Packet Transport OC-12c Interface Processor for
 7500 IC-129
 Dynamic Packet Transport OC-12c Port Adapter for the
 7200 Router IC-129

E

E1 R2 and Channel-Associated Signaling Configuration
 DC-295, DC-304
 E1 R2 Signaling for the Cisco AS5800 Access Server
 DC-301, DC-302
 Ethernet-like Interfaces MIB FC-321
 Event MIB Support FC-322

F

Fast EtherChannel Enhancements on Cisco 7200 Series
 Routers IC-46
 Frame Relay ELMI Address Registration WC-177
 Frame Relay Fragmentation with Hardware Compression
 WC-203

Frame Relay Header Compression Compatibility
 Enhancements IPC-414
 Frame Relay IP RTP Priority QC-11, QC-83, QC-96,
 QC-113, QC-128, QC-151
 Frame Relay PVC Interface Priority Queueing QC-82,
 QC-83, QC-112, QC-113, QC-129, QC-152
 Frame Relay Switching Diagnostics WC-189
 Frame Relay Switching Enhancements WC-181
 Frame Relay-to-ATM Network Interworking (FRF.5)
 WC-239
 Frame Relay-to-ATM Service Interworking (FRF.8)
 WC-243
 FRF.12 Support on Additional Platforms WC-201
 FRF.12 Support on Switched Frame Relay PVCs WC-187

G

General Packet Radio Service Release 1.4 MWC-11

H

HSRP Support for ICMP Redirects IPC-99
 HSRP Support for MPLS VPNs IPC-97, XC-109

I

IGMP Version 3 IPC-394
 Implementing DiffServ for End-to-End Quality of Service
 QC-5, QC-17, QC-375
 Individual SNMP Trap Support FC-318
 Interautonomous Systems for MPLS VPNs XC-102
 Interface Index Persistence FC-322
 Interfaces Group MIB Enhancements FC-322

BC Cisco IOS Bridging and IBM Networking Configuration Guide
DC Cisco IOS Dial Technologies Configuration Guide
FC Cisco IOS Configuration Fundamentals Configuration Guide
IC Cisco IOS Interface Configuration Guide
IPC Cisco IOS IP Configuration Guide
MWC Cisco IOS Mobile Wireless Configuration Guide
P2C Cisco IOS AppleTalk and Novell IPX Configuration Guide

P3C Cisco IOS Apollo Domain, Banyan VINES, DECnet,
 ISO CLNS, and XNS Configuration Guide
QC Cisco IOS Quality of Service Solutions Configuration Guide
SC Cisco IOS Security Configuration Guide
TC Cisco IOS Terminal Services Configuration Guide
VC Cisco IOS Voice, Video, and Fax Configuration Guide
WC Cisco IOS Wide-Area Networking Configuration Guide
XC Cisco IOS Switching Services Configuration Guide

Internetworking Signaling Enhancements for H.323 and SIP VoIP DC-353

IOS Server Load Balancing IPC-125

IP over a CLNS Tunnel IC-179

L

Link Fragmentation and Interleaving for Frame Relay and ATM Virtual Circuits QC-313, QC-325

Low Latency Queueing for Frame Relay QC-9, QC-11, QC-104, QC-135, QC-157

M

Managing Port Services on the Cisco AS5400 Universal Access Server DC-132, DC-134

Managing Port Services on the Cisco AS5800 Universal Access Server DC-133

Modular QoS Command-Line Interface QC-5, QC-399, QC-403

Monitoring Resource Availability on Cisco AS5300 Universal Access Servers FC-324

Monitoring Resource Availability on Cisco AS5300, AS5400, and AS5800 Universal Access Servers DC-115

MPLS Egress NetFlow Accounting XC-138

MPLS Label Switch Controller and Enhancements XC-112

MPLS Quality of Service Enhancements XC-109

MPLS Traffic Engineering and Enhancements XC-84

MSDP MIB FC-325

Multiple ISDN Switch Types DC-289

Multipoint T1/E1 ATM Port Adapters with Inverse Multiplexing over ATM WC-56

Multiprotocol Label Switching on Cisco Routers XC-84

N

NAT--Support of IP Phone to Cisco CallManager IPC-45

NetFlow Minimum Prefix Mask for Router-Based Aggregation XC-72

Network Services Engine XC-35

Network Side ISDN PRI Signalling, Trunking, and Switching DC-351

Network-Based Application Recognition (NBAR) QC-6, QC-8, QC-21, QC-30, QC-73

NTP MIB FC-325

NTT PRI NFAS DC-341

O

OC-3/STM-1 ATM Circuit Emulation Service Network Module WC-80

Outbound Circuit-Switched X.25 Support DC-248

P

Parser Cache FC-165

PGM Host IPC-473

PIM Dense Mode State Refresh IPC-388

PPP over ATM SVCs WC-131

PPPoE on Ethernet WC-137

PPPoE over ATM WC-133

PPPoE over IEEE 802.1Q VLANs WC-139

PPPoE RADIUS Port Identification WC-141

PPTP with MPPE DC-531, DC-554

BC Cisco IOS Bridging and IBM Networking Configuration Guide

DC Cisco IOS Dial Technologies Configuration Guide

FC Cisco IOS Configuration Fundamentals Configuration Guide

IC Cisco IOS Interface Configuration Guide

IPC Cisco IOS IP Configuration Guide

MWC Cisco IOS Mobile Wireless Configuration Guide

P2C Cisco IOS AppleTalk and Novell IPX Configuration Guide

P3C Cisco IOS Apollo Domain, Banyan VINES, DECnet, ISO CLNS, and XNS Configuration Guide

QC Cisco IOS Quality of Service Solutions Configuration Guide

SC Cisco IOS Security Configuration Guide

TC Cisco IOS Terminal Services Configuration Guide

VC Cisco IOS Voice, Video, and Fax Configuration Guide

WC Cisco IOS Wide-Area Networking Configuration Guide

XC Cisco IOS Switching Services Configuration Guide

Preauthentication Enhancements for Callback SC-128
 Preauthentication with ISDN PRI DC-287, SC-125
 Preauthentication with ISDN PRI and Channel-Associated Signalling DC-750, SC-125
 Preauthentication with ISDN PRI and Channel-Associated Signalling Enhancements SC-130

Q

Quality of Service Device Manager QC-17, QC-417
 Quality of Service for Virtual Private Networks QC-6, QC-8, QC-21, QC-29, QC-69

R

RADIUS Attribute 44 (Accounting Session ID) in Access Requests SC-31
 RADIUS Attribute 8 (Framed-IP-Address) in Access Requests SC-28
 RADIUS Tunnel Attribute Extensions SC-134
 Router-Port Group Management Protocol IPC-505
 RSVP Support for Frame Relay QC-15, QC-249, QC-281
 RSVP Support for Low Latency Queueing QC-15, QC-247, QC-275

S

SDLC SNRM Timer and Window Size Enhancements BC-401
 Secure Shell Version 1 Integrated Client SC-458
 Secure Shell Version 1 Support SC-458
 Service Assurance Agent Enhancements FC-340
 Single Line Card Reload for the Cisco 7500 Series FC-431

SIP (Session Initiation Protocol) for VoIP VC-399
 SNMP Support for VLAN Subinterfaces XC-317

T

TCP Clear Performance Optimization DC-174
 TN3270 Server Connectivity Enhancements BC-772, BC-773, BC-779
 Traffic Matrix Statistics XC-26
 traffic policing QC-13, QC-14, QC-205, QC-211, QC-221
 Trimble Palisade NTP Synchronization Driver for the Cisco 7200 Series FC-271
 Trusted Root Certification Authority SC-373

U

UDLR Tunnel ARP and IGMP Proxy IPC-484
 Unicast Reverse Path Forwarding Enhancements SC-440

V

V.110 Support for Cisco 3600 Series Digital Modems DC-67
 Virtual Private Network Configuration for the Cisco 1700 Routers SC-347
 Virtual Profile Cisco Express Forwarding XC-35

W

WCCP Redirection on Inbound Interfaces FC-379
 Wildcard Pre-Shared Key Enhancements SC-399

BC Cisco IOS Bridging and IBM Networking Configuration Guide
DC Cisco IOS Dial Technologies Configuration Guide
FC Cisco IOS Configuration Fundamentals Configuration Guide
IC Cisco IOS Interface Configuration Guide
IPC Cisco IOS IP Configuration Guide
MWC Cisco IOS Mobile Wireless Configuration Guide
P2C Cisco IOS AppleTalk and Novell IPX Configuration Guide

P3C Cisco IOS Apollo Domain, Banyan VINES, DECnet, ISO CLNS, and XNS Configuration Guide
QC Cisco IOS Quality of Service Solutions Configuration Guide
SC Cisco IOS Security Configuration Guide
TC Cisco IOS Terminal Services Configuration Guide
VC Cisco IOS Voice, Video, and Fax Configuration Guide
WC Cisco IOS Wide-Area Networking Configuration Guide
XC Cisco IOS Switching Services Configuration Guide

X

X.25 Failover WC-279

BC	Cisco IOS Bridging and IBM Networking Configuration Guide	P3C	Cisco IOS Apollo Domain, Banyan VINES, DECnet, ISO CLNS, and XNS Configuration Guide
DC	Cisco IOS Dial Technologies Configuration Guide	QC	Cisco IOS Quality of Service Solutions Configuration Guide
FC	Cisco IOS Configuration Fundamentals Configuration Guide	SC	Cisco IOS Security Configuration Guide
IC	Cisco IOS Interface Configuration Guide	TC	Cisco IOS Terminal Services Configuration Guide
IPC	Cisco IOS IP Configuration Guide	VC	Cisco IOS Voice, Video, and Fax Configuration Guide
MWC	Cisco IOS Mobile Wireless Configuration Guide	WC	Cisco IOS Wide-Area Networking Configuration Guide
P2C	Cisco IOS AppleTalk and Novell IPX Configuration Guide	XC	Cisco IOS Switching Services Configuration Guide