



New Features in Cisco IOS Release 12.4(20)T

The following features were introduced in Cisco IOS Release 12.4(20)T. Links to feature documentation are 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/products/ps6441/prod_release_notes_list.html

See the following sections for a list of features:

- [New Hardware Features in Cisco IOS Release 12.4\(20\)T, page 1](#)
- [New Software Features in Cisco IOS Release 12.4\(20\)T, page 3](#)

New Hardware Features in Cisco IOS Release 12.4(20)T

AIM-IPS-K9

<http://www.cisco.com/en/US/docs/security/ips/6.0/installation/guide/hwguide.html>

Cisco 1805 Cable Router

<http://www.cisco.com/en/US/docs/routers/access/1800/1805/hardware/installation/guide/1805hwgd.html>

Cisco 1860 Series Router

<http://www.cisco.com/en/US/docs/routers/access/1800/1861/hardware/quick/guide/1861qsg.html>

Cisco Secure Router 500 Series: Cisco SR520-FE-K9, Cisco SR520W-FE-K9, Cisco SR520-ADSL-K9, Cisco SR520W-ADSL-K9, Cisco SR520-ADSLI-K9, Cisco SR520W-ADSLI-K9

http://www.cisco.com/en/US/prod/collateral/routers/ps9305/qa_c67-485432.html

Cisco 800 Broadband Series Routers—Cisco 861, Cisco 881, Cisco 881G, Cisco 888, Cisco 888G, Cisco IAD881F, Cisco IAD881B, Cisco SRST881, Cisco IAD888F, Cisco IAD888B, Cisco SRST888

http://www.cisco.com/en/US/products/hw/routers/ps380/tsd_products_support_series_home.html

Enhanced IP Communications Foreign Exchange Station and E&M Voice Interface Card

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/2port_FXS_DID_VIC.html

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/2port_FXS_E_DID_VIC.html

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/4port_FXS_DID_VIC.html

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/2port_EM_VIC.html

HWIC-1B-U

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/ISDN_BRI_U_hwic.html

HWIC-1CE1T1-PRI, HWIC-2CE1T1-PRI, HWIC-4T1/E1, NM-8CE1T1-PRI

http://www.cisco.com/en/US/docs/ios/12_4/12_4x/12_4_11xw/fmt1e1ic.html

HWIC-4B-S/T

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/ISDN_BRI_ST_hwic.html

Network Capacity Expansion

https://www.cisco.com/en/US/docs/interfaces_modules/services_modules/cnce/1.0/installation/guide/NCE_Book.html

NME-APA

<http://www.cisco.com/en/US/docs/routers/access/interfaces/nm/hardware/installation/guide/apanme.html>

Sync/Async/T1DSU HWICS (HWIC-1T, HWIC-2T, HWIC-2A/S, HWIC-1DSU)

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/1_2T_2AS_HWIC.html

http://www.cisco.com/en/US/docs/routers/access/interfaces/ic/hardware/installation/guide/DSU_T1_HWIC.html

UC520

http://www.cisco.com/en/US/products/ps7293/prod_installation_guides_list.html

New Software Features in Cisco IOS Release 12.4(20)T

6PE Multipath

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

Ability to Generate a Busy After Remote End On-Hook

http://www.cisco.com/en/US/docs/ios/voice/command/reference/vr_book.html. See the **supervisory disconnect anyone** command.

Address CNEM Gap Analysis for ARTG Platforms Phase 2D

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

AMR-NB Codec Support for MGCP

http://www.cisco.com/en/US/docs/ios/12_4t/12_4t15/it_amrnb.html

Application Inspection and Control for SMTP

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_app_insp_ctrl_smtp.html

BGP Multicast Inter-AS (IAS) VPN

http://www.cisco.com/en/US/docs/ios/ipmulti/configuration/guide/imc_cfg_mc_vpn_sup.html

BGP Support for TCP Path MTU Discovery per Session

http://www.cisco.com/en/US/docs/ios/iproute/configuration/guide/irp_bgp_neighbor.html

Call Detail Records (CDR) Comma Separated Value Format with FTP and Flash Storage

<http://www.cisco.com/en/US/docs/ios/voice/cdr/developer/guide/cdrsv.html>

Caller ID on FXO for MGCP

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

CFM-2

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

Cisco Express Forwarding and MPLS Forwarding Infrastructure

http://www.cisco.com/en/US/docs/ios/ipswitch/configuration/guide/cef_port_to_t_train.html

http://www.cisco.com/en/US/docs/ios/ipswitch/configuration/guide/cef_command_changes.html

Cisco Express Forwarding—SNMP CEF-MIB Support

http://www.cisco.com/en/US/docs/ios/ipswitch/configuration/guide/cef_snmp_mib.html

Cisco Integrated 3G-324M Gateway

http://www.cisco.com/en/US/products/ps9671/prod_module_series_home.html

Cisco IOS Content Filtering

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_url_filtering.html

Cisco IOS Firewall—SIP Enhancements: ALG and AIC

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_sip_alg_aic.html

Cisco IOS-FW—H323 v3/v4 Support

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_fw_h323_supp.html

Cisco IOS-FW—Support for Skinny Local Traffic and CME

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_fw_skinny_local.html

Cisco Software Licensing

http://www.cisco.com/en/US/docs/ios/csa/configuration/guide/csa_commands.html

CISCO-DATA-COLLECTION-MIB

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_mib_collect_trans.html

CISCO-IP-URPF-MIB Support

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_urpf_mib.html

CISL—SNMP Support

http://www.cisco.com/en/US/docs/ios/csa/configuration/guide/csa_commands.html

CLI for Displaying Certificates in Cisco IOS (Manageability Enhancement)

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

CNEM 2.0 Phase 2A Baseline Compliance

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

CNEM 2.0 Phase 2B and 2C Baseline Compliance

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Commands for SNMP Diagnostics

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_cfg_snmp_sup.html

Communications Manager Express 7.0

http://www.cisco.com/en/US/docs/voice_ip_comm/cucme/admin/configuration/guide/cmeadm.html

Communications Manager Express Extension Mobility Enhancements

http://www.cisco.com/en/US/docs/voice_ip_comm/cucme/admin/configuration/guide/cmemobl.html

Cisco Unified Communications Manager Express 4.2 : Media Encryption (SRTP)

http://cisco.com/en/US/docs/voice_ip_comm/cucme/admin/configuration/guide/cmeauth.html

Config Change Tracking Identifier

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Configurable Bandwidth Parameters for SIP Calls

<http://www.cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-sipsip.html>

Configurable SIP Listening Port

<http://www.cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-sipsip.html>

Configurable SIP Parameter Modification

<http://www.cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-sipsip.html>

Configuration Rollback Confirmed Change

http://www.cisco.com/en/US/docs/ios/fundamentals/configuration/guide/cf_config-rollback.html

Control Media Cut-Through on SIP 18x Response

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

CTCP Support on Easy VPN Clients

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_easy_vpn_rem.html

Detecting Presence of Analog Phones

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Digital Modem Support and Modem Resource Pooling

http://www.cisco.com/en/US/docs/ios/12_4t/12_4t11/htpvd2.html

Disable Outbound SIP Proxy on a Per Dial-Peer Basis

http://www.cisco.com/en/US/docs/ios/voice/sip/configuration/guide/sip_cg-msg_tmr_rspns.html

Dynamic Frequency Selection (DFS) and IEEE 802.11h Transmit Power Control

<http://www.cisco.com/en/US/docs/routers/access/1800/wireless/configuration/guide/awg.html>

E-911 Services for CME

http://www.cisco.com/en/US/docs/voice_ip_comm/cucme/admin/configuration/guide/cme911.html

Embedded Event Manager (EEM) 2.4

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_eem_overview.html

Embedded Menu Manager

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_emm.html

Embedded Packet Capture

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_packet_capture.html

Enhanced ARQ and RRQ Security for Gatekeeper Registrations

<http://cisco.com/en/US/docs/ios/voice/cubegk/configuration/guide/ve-gk-config.html>

Event MIB and Expression MIB Enhancements

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_cfg_snmp_sup.html

FHRP—EOT Deprecation of rtr Keyword

http://www.cisco.com/en/US/docs/ios/ipapp/configuration/guide/ipapp_eot.html

FIB Data Consistency Checking

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWFW.html

Flexible NetFlow—IPv6 Unicast Flows

http://www.cisco.com/en/US/docs/ios/fnetflow/configuration/guide/12_4t/fnf_12_4t_book.html

Flexible NetFlow—Output Features on Data Export

http://www.cisco.com/en/US/docs/ios/fnetflow/configuration/guide/12_4t/fnf_12_4t_book.html

Frame Relay QoS Reatures with Hierarchical Queuing Framework (HQF)

http://www.cisco.com/en/US/docs/ios/qos/configuration/guide/qos_frhqf_support.html

FXO Delayed Caller ID Delivery

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

G.722-64K Support on CME; G.722 and iLBC Transcoding, Conferencing Support on CME

http://www.cisco.com/en/US/docs/ios/12_4/12_4_mainline/jtg722atg_gold.html

G.729br8 Codec as a Superset of G.729r8 and G.729br8 Codecs

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Gatekeeper Enhancement: Support for Extended Interzone Clear Token

<http://cisco.com/en/US/docs/ios/voice/cubegk/configuration/guide/ve-gk-config.html>

H.320 Video—ISO/IEC-13871 Bonding

http://cisco.com/en/US/products/ps9671/prod_module_series_home.html

H.323 Name Display

<http://www.cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-cm.html>

HFC RIP Relay

http://www.cisco.com/en/US/docs/ios/iproute/configuration/guide/irp_rip_hfc.html

HTTP Cookie Support per RFC 2965

http://www.cisco.com/en/US/docs/ios/bbds1/configuration/guide/bba_tr069_agent.html

HTTP Digest Authentication Support

http://www.cisco.com/en/US/docs/ios/bbds1/configuration/guide/bba_tr069_agent.html

IM Blocking Support in IOS Firewall for ICQ and Windows Messenger

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_zone_policy_firew.html

IP SLAs for Metro-Ethernet

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

IP SLAs Responder

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

IP SLAs VRF Aware 2.0

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

IPsec Usability Enhancements

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ipsec_vpn_status_monitoring.html

IP-TUNNEL-MIB

http://www.cisco.com/en/US/docs/ios/interface/configuration/guide/ir_impl_tun.html

IPv6—CNS Agents

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

IPv6—Config Logger

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

IPv6—HTTP(S)

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

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

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

IPv6—Netconf

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

IPv6—SOAP

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

IPv6—TCL

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

IPv6 ACL Extensions for IPsec Authentication Header

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

IPv6 over DMVPN

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

IPv6 VPN over MPLS (6VPE)

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-ov_mpls_6vpe.html

ISDN FACILITY and NOTIFY Mapping to SIP INFO

http://www.cisco.com/en/US/docs/ios/voice/sip/configuration/guide/tunneling_qsig.html

ISDN Q.931 Tunneling over SIP TDM Gateway

http://www.cisco.com/en/US/docs/ios/voice/sip/configuration/guide/tunneling_qsip.html

Land Mobile Radio (LMR) over IP—RFC 2833 Tone Remote Control Support

http://www.cisco.com/en/US/docs/ios/12_3t/12_3t7/feature/guide/gtImrip.html

License Call Home

http://www.cisco.com/en/US/docs/ios/csa/configuration/guide/csa_callhome.html

Licensing Storage

http://www.cisco.com/en/US/docs/ios/csa/configuration/guide/csa_expand.html

Malicious Call Identification on the VG224s and Cisco Voice Gateways with Cisco Unified Communications Manager

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Media and Signaling Encryption (SRTP/TLS) on DSP Conferencing Farm

http://www.cisco.com/en/US/docs/ios/12_4t/12_4t15/itsdsp.html

Mobile IP—Mobile Networks v6—Basic NEMO

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

MPLS—Multilink PPP Support

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_mppp_support.html

MPLS EM—MPLS FRR MIB (IETF Draft v01)

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_fast_rr_mib.html

MPLS EM—MPLS Multipath (ECMP) LSP Tree Trace

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_em_multipath_tree.html

MPLS Infrastructure Changes: Introduction of MFI and Removal of MPLS LSC and LC-ATM Features

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_lsc_removed.html

MPLS LDP—Lossless MD5 Session Authentication

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_ldp_lossless_md5.html

MPLS LDP—MD5 Global Configuration

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_ldp_md5_global.html

MPLS TE—Fast Reroute over ATM

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_frr_node_prot.html

MPLS TE—Fast Tunnel Interface Down Detection

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_link_node_prot.html

MPLS TE—Node Protection Desired Bit

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_link_node_prot.html

MPLS Traffic Engineering—Autotunnel Mesh Groups

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_autotun_mesh.html

MPLS Traffic Engineering (TE)—Autotunnel Primary and Backup

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_autotunnel.html

MPLS Traffic Engineering (TE)—Class-based Tunnel Selection

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_tun_select.html

MPLS Traffic Engineering (TE)—Configurable Path Calculation Metric for Tunnels

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_cfg_path_calc.html

MPLS Traffic Engineering (TE)—Fast Reroute (FRR) Link and Node Protection

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_frr_node_prot.html

MPLS Traffic Engineering (TE)—Interarea Tunnels

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_interarea_tun.html

MPLS Traffic Engineering—Inter-AS TE

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_inter_as_te.html

MPLS Traffic Engineering—LSP Attributes

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_lsp_attr.html

MPLS Traffic Engineering—Path Protection

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_path_prot.html

MPLS Traffic Engineering—Policy Routing onto MPLS TE Tunnels

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWf.html

MPLS Traffic Engineering (TE)—RSVP Graceful Restart

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_rsvp_graceful.html

MPLS Traffic Engineering (TE)—RSVP Hello State Timer

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_rsvp_hello.html

MPLS Traffic Engineering (TE)—Scalability Enhancements

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_scale_enhance.html

MPLS Traffic Engineering (TE): Verbatim Path Support

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_verbatim_path.html

MPLS Traffic Engineering Forwarding Adjacency

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_fwd_adjacency.html

MPLS Traffic Engineering: Shared Risk Link Groups (SRLG)

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_te_shared_risk.html

MPLS VPN—Load Balancing Support for Inter-AS and CSC VPNs

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_load_share_vpn.html

MPLS VPN—Multipath Support for Inter-AS VPNs

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_load_share_vpn.html

MPLS VPN—Route Target Rewrite

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_vpn_rte_target_rw.html

MPLS VPN—Show Running VRF

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_vpn_show_run_vrf.html

MPLS VPN—VPN Aware LDP MIB

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_vpn_mib_supp.html

MPLS VPN—VRF CLI for IPv4 and IPv6 VPNs

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_vpn_ipv4_ipv6.html

MPLS VPN Half Duplex VRF (HDVRF)

http://www.cisco.com/en/US/docs/ios/mpls/configuration/guide/mp_vpn_half_dup_vrf.html

Multicast VPN Inter-AS Support

http://www.cisco.com/en/US/docs/ios/ipmulti/configuration/guide/imc_cfg_mc_vpn_sup.html

NetFlow: Removal of IPv6 NetFlow

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

NHRP MIB for DMVPN Networks

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_dmvpn_nhrp_mib.html

Object Groups for ACLs

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_object_group_acl.html

Pass Data in SIP REFER to Triggered INVITE

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Performance Routing with NBAR/CCE Application Recognition

<http://www.cisco.com/en/US/docs/ios/oer/configuration/guide/pfr-profile.html>

Per-VRF Assignment of BGP Router-ID

http://www.cisco.com/en/US/docs/ios/iproute/configuration/guide/bgp_router_id.html

PKI—CLI to Control Certificate Revocation List (CRL) Cache

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

PPPoEoA over ATM AAL5Mux

http://www.cisco.com/en/US/docs/ios/bbds1/configuration/guide/bba_pppoeoa_aal5mux.html

QoS—Hierarchical Queuing Framework (HQF)

http://www.cisco.com/en/US/docs/ios/qos/configuration/guide/qos_frhqf_support.html

RSVP—Previous Hop Overwrite

http://www.cisco.com/en/US/docs/ios/qos/configuration/guide/qos_rsvp_phop_ovrite.html

RSVP Agent

http://www.cisco.com/en/US/docs/ios/12_3/vvf_c/interop/int_rsvp.html

SCTP Redundancy Phase 2

http://www.cisco.com/en/US/docs/ios/ipapp/configuration/guide/ipapp_sctp.html

Secure Device Provisioning (SDP) Connect Template

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_setup_SDP_piki.html

Session Border Controller Enhancements for H.323-SIP and SIP-SIP Supplementary Services, Transcoding Optimization, and Firewall Integration

http://www.cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb_book/vb_book.html

SIP—Support for SESSION REFRESH with reINVITEs

<http://cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-sipsip.html>

SIP—Support for SIP Video Calls with Flow Around Media

<http://cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-sipsip.html>

SIP Delayed Offer to Early Offer for Video Calls

<http://cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-sipsip.html>

SIP SRTP Fallback to Non-secure RTP

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

SRST: Survivable Remote Site Telephony 7.0

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

SSHv2 Enhancements

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_secure_shell_v2.html

SSLVPN—Access Control Enhancements

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ssl_vpn.html

SSLVPN—AnyConnect Client Support

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ssl_vpn.html

SSLVPN—Back End HTTP Proxy

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ssl_vpn.html

SSLVPN—Full-Tunnel CEF Support

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ssl_vpn.html

SSL VPN—Stateless High Availability with HSRP

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ssl_vpn.html

SSLVPN—URL Rewrite Splitter

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_ssl_vpn.html

SRST: Survivable Remote Site Telephony 7.0

http://www.cisco.com/en/US/partner/docs/voice_ip_comm/cucme/admin/configuration/guide/cmeadm.html

SW 128ms ECAN

http://www.cisco.com/en/US/docs/ios/12_4t/12_4t11/vfc_dsp.html

System Accounting Record Generation for Server Addition/Deletion Made VRF Aware

http://www.cisco.com/en/US/docs/ios/12_4t/release/notes/124TNEWF.html

Throttling of AAA (RADIUS) Records

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_throtl_aaa.html

TR-069—Support for Ethernet LAN Profile, Time Profile, ATM Loopback Profile, and TraceRoute Profile

http://www.cisco.com/en/US/docs/ios/bbds1/configuration/guide/bba_tr069_agent.html

TR-069 Agent

http://www.cisco.com/en/US/docs/ios/bbds1/configuration/guide/bba_tr069_agent.html

Transparent Tunneling of QSIG and Q.931 over SIP—SIP Cisco Unified Border Element (CUBE)

http://www.cisco.com/en/US/docs/ios/voice/sip/configuration/guide/tunneling_qsig.html

Transparent Tunneling of QSIG over SIP TDM Gateway

http://www.cisco.com/en/US/docs/ios/voice/sip/configuration/guide/tunneling_qsig.html

Unified Communications Manager Express 4.2

http://www.cisco.com/en/US/docs/voice_ip_comm/cucme/admin/configuration/guide/cmeadm.html

Universal Voice Transcoding Support for the IP-to-IP GW

http://www.cisco.com/en/US/docs/ios/12_4t/12_4t15/it_unitr.html

User Based Firewall Support

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_user_fw_supp.html

Voice Quality Enhancements

http://www.cisco.com/en/US/docs/ios/12_4t/12_4t15/vqmetric.html

VPDN—Group Selection Based on VRF and Destination IP

http://www.cisco.com/en/US/docs/ios/vpdn/configuration/guide/additional_vpdn_feat.html

VRF Aware IOS IPS

http://www.cisco.com/en/US/docs/ios/security/configuration/guide/sec_vrf_aware_ips.html

WCCP L2 Return

http://www.cisco.com/en/US/docs/ios/ipapp/configuration/guide/ipapp_wccp.html

WCCP Layer 2 Redirection/Forwarding

http://www.cisco.com/en/US/docs/ios/ipapp/configuration/guide/ipapp_wccp.html

WCCP Mask Assignment

http://www.cisco.com/en/US/docs/ios/ipapp/configuration/guide/ipapp_wccp.html

XML-PI

http://www.cisco.com/en/US/docs/ios/netmgmt/configuration/guide/nm_xmlpi_v1.html

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