Feature Not Available

		ADVANCED
CISCO IOS VERSION 12.4(9)T2	BASE IP	SECURITY
AAA Broadcast Accounting	Х	Х
AAA CLI Stop Record Enhancement	Х	X
AAA DNIS Map for Authorization	Х	X
AAA Double Authentication Secured by Absolute Timeout	Х	X
AAA Resource Accounting	Х	X
AAA Server Group	Х	X
AAA Server Group Deadtimer	Х	X
AAA Server Group Enhancements	Х	X
AAA Server Groups Based on DNIS	Х	X
AAA Support for MSCHAPv2 Password Aging	Х	X
AAA-PPP-VPDN Non-Blocking	Х	Х
AAA-SERVER-MIB Set Operation	Х	Х
AAL1 CES on AIM-ATM	Х	X
Ability to Disable Xauth for Static IPsec Peers		X
Accounting of VPDN Disconnect Cause	Х	X
ACL - Ability to Filter on the TTL Value	X	X
ACL - Support for Non-Contiguous Port Ranges on an ACE	X	Х
ACL - TCP Flags Filtering	X	X
ACL Authentication of Incoming RSH and RCP	X	Х
ACL Default Direction	X	X
ACL IP Options Selective Drop	X	X
ACL Manageability	X	X
ACL Sequence Numbering	X	X
ACL Support for Filtering IP Options	X	X
Active Probe Source Address		X
Adaptive Frame Relay Traffic Shaping for Interface Congestion	Х	X
Additional Vendor-Proprietary RADIUS Attributes	X	X
Address Resolution Protocol (ARP)	Х	X
ADSL - Asymmetric Digital Subscriber Line Support	X	X
ADSL over ISDN	X	X
ADSL over POTS with Dying Gasp	Х	X
Advanced Encryption Standard (AES)		Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
Always On Dynamic ISDN (AO/DI)	Х	Х
Always On Dynamic ISDN (AO/DI) Enhancements	X	Х
Application Inspection And Control for HTTP - Phase 2		Х
ARP Optimization	X	Х
ARP-Auto Logoff	X	Х
Asynchronous Call Queueing by Role	X	Х
Asynchronous Line Monitoring	X	Х
Asynchronous Rotary Line Queuing	X	Х
Asynchronous Serial Traffic Over UDP	X	Х
ATM Cell Loss Priority (CLP) Bit Marking	X	Х
ATM Cell Loss Priority (CLP) Setting	X	Х
ATM Cell Switching for Voice/Data Traffic Over ATM	Χ	Х
ATM Mode for Four-Wire SHDSL	Χ	Х
ATM Mode for Two-Wire SHDSL	X	Х
ATM Multilink PPP Support on Multiple VCs	Х	Х
ATM Oversubscription for DSL	Χ	Х
ATM Routed Bridge Encapsulation (RBE)	Χ	Х
ATM Subinterface MIB/Traps	X	Х
Attribute Filtering Per-Domain and VRF Aware Framed-Routes	Χ	Х
Attribute Screening For Access Requests	Χ	Х
Authentication Proxy Accounting for HTTP		Х
Authorization for Protocol Translation	Х	Х
Auto Secure Manageability	Χ	Х
AutoInstall over Frame Relay-ATM Interworking Connections	X	Х
AutoInstall Using DHCP for LAN Interfaces	X	Х
Automatic modem configuration	X	Х
AutoRP Enhancement	Χ	Х
AutoSecure	X	Х
AutoSecure Customization and Audit Trail Enhancements	Χ	Х
Bandwidth Allocation Control Protocol (BACP)	Χ	Х
BGP		Х
BGP 4		Х
BGP 4 Multipath Support		Х
BGP 4 Prefix Filter and In-bound Route Maps		Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
BGP 4 Soft Config		Х
BGP Conditional Route Injection		Х
BGP Configuration Using Peer Templates		Х
BGP Convergence Optimization		Х
BGP Cost Community		X
BGP Cost Community Support for EIGRP MPLS VPN PE-CE		Х
BGP Dynamic Update Peer-Groups		Х
BGP Hide Local-Autonomous System		Х
BGP Hybrid CLI Support		Х
BGP Increased Support of Numbered as-path Access Lists		Х
BGP Link Bandwidth		Х
BGP Multipath Load Sharing for Both eBGP and iBGP in an MPLS-VPN		Х
BGP Named Community Lists		Х
BGP Policy Accounting		Х
BGP Policy Accounting Output Interface Accounting		Х
BGP Prefix-Based Outbound Route Filtering		Х
BGP Reduction in Transient Memory Usage		Х
BGP Restart Neighbor Session After max-prefix Limit Reached		Х
BGP Route-Map Continue		Х
BGP Route-Map Continue Support for Outbound Policy		Х
BGP Route-Map Policy List Support		Х
BGP Selective Address Tracking		Х
BGP Soft Reset		Х
BGP Support for Dual AS Configuration for Network AS Migrations		Х
BGP Support for IP Prefix Import from Global Table into a VRF Table		Х
BGP Support for Named Extended Community Lists		X
BGP Support for Sequenced Entries in Extended Community Lists		X
BGP Support for TTL Security Check		X
Bidirectional PIM	X	X
Bridge Control Protocol (BCP) Support	X	X
Bridged 1483 Encapsulated Traffic over ATM SVCs	X	X
Bridging between IEEE 802.1Q vLANs	X	X
Broadcast Key Rotation	X	X
Broadcast/Multicast Suppression	x	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
Cache Control Enhancements for Certification Revocation Lists	Х	Х
Call Admission Control for IKE		Х
CDP (Cisco Discovery Protocol) Version 2	X	Х
CEF on Multipoint GRE Tunnels	X	Х
CEF Support for Dialer Profile	l x	Х
CEF Support for IP Routing between IEEE 802.1Q vLANs	X	Х
CEF/dCEF - Cisco Express Forwarding	X	Х
Certificate - Authority (CA) Key Rollover	X	Х
Certificate - Auto Enrollment	X	Х
Certificate - Complete Chain Validation	X	Х
Certificate - Enrollment Enhancements	X	Х
Certificate - Security Attribute-Based Access Control	X	Х
Certificate - Storage Location Specification	X	Х
Certification Authority Interoperability (CA)	X	Х
CGMP - Cisco Group Management Protocol	X	Х
Challege Handshake Authentication Protocol (CHAP)	X	Х
Channelized E1 Signaling	X	Х
Circuit Interface Identification Persistence for SNMP	X	Х
Cisco Compatible Extensions Information Element	X	Х
Cisco Discovery Protocol (CDP) over ATM	X	Х
Cisco IOS Certificate Server	Х	Х
Cisco IOS Login Enhancements	X	Х
Cisco IOS Resilient Configuration	X	Х
Class Based Ethernet CoS Matching & Marking (802.1p & ISL CoS)	Х	Х
Class Based Traffic Policing with CLP Tagging		Х
Class Based Weighted Fair Queuing (CBWFQ)	Х	Х
Class-Based Frame-Relay DE-Bit Matching and Marking	X	Х
Class-Based Marking	Х	Х
Class-Based Policing	Х	Х
Class-Based Shaping		Х
Classless InterDomain Routing (CIDR) IP Default Gateway	X	Х
Clear Channel T3/E3 with Integrated CSU/DSU	X	Х
Clear IP Traffic CLI	X	Х
CLI String Search		X

CISCO IOS VERSION 42 4/0\T2	BASE IP	ADVANCED SECURITY
CISCO IOS VERSION 12.4(9)T2		
CLI Views ClickStart	X X	X
	X	X
CLNS Support for GRE Tunneling of IPv4 and IPv6	V	X
CNS - Agents SSL Security	X	X
CNS - Configuration Agent	X	X
CNS - Enhanced Results Message	X	X
CNS - Event Agent	X	X
CNS - Flow Through Provisioning	X	X
CNS - Frame Relay Zero Touch	X	X
CNS - Image Agent	X	X
CNS - Security Enhancement	Х	X
Command Scheduler (Kron)	Х	X
Commented IP Access List Entries	Х	X
Committed Access Rate (CAR)	Х	Х
Compressed RTP (cRTP) - DSL interfaces	Х	Х
Compression Control Protocol	Х	X
Config Logger Enhancements for EAL4+ Certification	Х	Х
Configurable Domain Name Prefix and Suffix Stripping	Х	Х
Configurable per ATM-VC Hold Queue size	Х	X
Configurable Radio Transmit Power	Х	X
Configuration Change Notification and Logging	Х	X
Configuration Replace and Configuration Rollback	Х	X
Connect-Info RADIUS Attribute 77	Х	Х
Connection-Mode Network Service (CMNS)	Х	X
Contact Closure Network Module	Х	X
Content Engine Network Module for Caching and Content Delivery	X	X
Context-Based Access Control (CBAC)		X
Contextual Configuration Diff Utility	Х	X
Control Plane DSCP Support for RSVP	Х	Χ
Control Plane Logging	Х	Х
Control Plane Policing - Time based	Х	Х
Control Plane Policing (CPP)	Х	Х
Control Plane Policing Manageability	Х	Х
COPS for RSVP	Х	X

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY	
CPP Policy Manager	Х	Х	1
CPU Thresholding Notification	Х	X	
Crashinfo Support	Х	X	
Crypto Access Check	Х	X	
Crypto Conditional Debug Support		X	
CT1/RBS (Robbed Bit Signaling)	Х	X	
CUG Selection Facility Suppress Option	Х	X	
Custom Queueing (CQ)	Х	X	
Customer Profile Idle Timer Enhancements for Interesting Traffic	Х	X	
Default Passive Interface	Х	X	
Default Route on a PPP Virtual Access Interface	Х	X	
DF Bit Override Functionality with IPSec Tunnels		X	
DHCP - Configurable DHCP Client	Х	X	
DHCP - Statically Configured Routes Using a DHCP Gateway	Х	X	
DHCP Accounting	Х	X	
DHCP Address Allocation using Option 82	Х	X	
DHCP Authorized ARP	Х	X	
DHCP Client	Х	X	
DHCP Client - Dynamic Subnet Allocation API	Х	X	
DHCP Client on WAN Interfaces	Х	X	
DHCP Lease Limit per ATM/RBE unnumbered interface	Х	X	
DHCP ODAP Server Support	Х	X	
DHCP On Demand Address Pool (ODAP) Manager for non-MPLS VPN pools	Х	X	
DHCP Option 82 Support for Routed Bridge Encapsulation	Х	X	
DHCP Proxy Client	Х	X	
DHCP Relay - MPLS VPN Support	Х	X	
DHCP Relay Accounting	Х	X	
DHCP Relay Agent Support for Unnumbered Interfaces	Х	X	
DHCP Relay Option 82 - Per Interface Support	Х	X	
DHCP Release and Renew CLI in Exec Mode	Х	X	
DHCP Secured IP Address Assignment	Х	X	
DHCP Server	Х	X	
DHCP Server - On Demand Address Pool Manager	Х	X	
DHCP Server - Option to Ignore all BOOTP Requests	Х	X	

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
DHCP Server Options - Import and Autoconfiguration	Х	Х
Dial Backup	Х	Х
Dial on Demand Authentication Enhancements	Х	Х
Dialer CEF	Х	Х
Dialer Idle Timer Inbound Traffic Configuration	Х	Х
Dialer Map VRF Aware	Х	Х
Dialer Persistent	Х	Х
Dialer Profiles	Х	Х
Dialer Watch	Х	Х
Dialer Watch Connect Delay	Х	Х
Dial-on-demand	Х	Х
Diffie-Hellman Group 5		Х
Diffserv Compliant WRED	Х	Х
Digital J1 Voice Support	Х	Х
Direct http enroll with CA servers	Х	Х
Distinguished Name Based Crypto Maps		Х
Distributed Class-Based Weighted Fair Queueing (dCBWFQ)	Х	Х
Distributed Management Event MIB Persistence	Х	Х
Distributed Management Expression MIB persistence	Х	Х
Distributed Weighted Random Early Detection (dWRED)	Х	Х
DLR Enhancements: PGM RFC-3208 Compliance	Х	Х
DMVPN Manageability Enhancements	Х	Х
DNS - VRF aware DNS	Х	Х
DNS based X.25 routing	Х	Х
DNS Proxy	X	Х
Double Authentication	Х	Х
DPNSS Backhaul	Х	Х
DRP Server Agent		Х
Dynamic DNS Support for Cisco IOS	Х	Х
Dynamic Frequency Selection (DFS) and IEEE 802.11h Transmit Power Control	Х	Х
Dynamic Multiple Encapsulation for Dial-in over ISDN	Х	Х
Dynamic Per VRF AAA	X	Х
Dynamic Subscriber Bandwidth Selection	Х	Х
Dynamic Trunking Protocol (DTP)	Х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
E1 R2 Collect Call Blocking	Х	Х
E1 R2 Signaling	X	Х
Easy IP (Phase 1)	X	Х
Easy Secure Device Deployment (Easy SDD) - Phase 4	X	Х
Easy VPN Client RSA - Signature Support		Х
Easy VPN Remote		Х
Easy VPN Remote : Multiple Inside Interface Enhancements		Х
Easy VPN Remote Enhancements		Х
Easy VPN Remote Web Based Activation		Х
Easy VPN Remote: Local-Address Support		Х
Easy VPN Remote: Manual Tunnel Control Enhancement		X
Easy VPN Server		Х
EasyVPN Phase 6		Х
EasyVPN Phase 7		X
EasyVPN phase 7.1		Х
EasyVPN Server Enhancements		Х
EIGRP MPLS VPN PE-CE Site of Origin (SoO)	X	X
EIGRP Stub Routing	X	Х
EIGRP Support for Route Map Filtering	X	Х
Email Inspection Engine		Х
Embedded Event Manager (EEM) 1.0		Х
Embedded Event Manager (EEM) 2.1		Х
Embedded Event Manager (EEM) 2.2		Х
Encrypted Kerberized Telnet		Х
Encrypted Pre-shared Key		Х
Encrypted Vendor Specific Attributes	X	Х
End of Record functionality for DCN networks	X	Х
Enhanced cRTP for links with high delay, packet loss and reordering	X	Х
Enhanced IGRP (EIGRP)	X	Х
Enhanced Local Management Interface (ELMI)	X	Х
Enhanced Packet Marking	X	Х
Enhanced Password Security	X	Х
Enhanced Test Command	X	Х
Enhanced Tracking Support	Х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
EOT Support for carrier delay	Х	Х
EtherChannel - Flexible PAgP	Х	Х
Ethernet Local Management Interface	Х	Х
ETSI Call Transfer	Х	Х
Event Tracer	Х	Х
Exporting and Importing RSA Keys	Х	X
Express RTP and TCP Header Compression on Dialer interfaces	Х	Х
Extended ACL support for IGMP to support SSM in IPv4	Х	Х
Extended Simple Mail Transfer Protocol (ESMTP) for IOS Firewall		Х
EzSDD Phase III	Х	Х
Fast Fragmentation (Fast-Switched Fragmented IP Packets)	Х	Х
Fast-Switched Policy Routing	Х	Х
Fast-Switched SRTLB		Х
FHRP - Enhanced Object Tracking of IP SLAs		Х
FHRP - EOT integration with EEM		Х
FHRP - HSRP - Hot Standby Router Protocol V2	Х	Х
FHRP - HSRP Group Shutdown	Х	Х
FHRP - HSRP Multiple Group Optimization	Х	Х
FHRP - Object Tracking List	Х	Х
FHRP - VRRP - Object Tracking	Х	Х
Firewall ACL Bypass		Х
Firewall Authentication Proxy		Х
Firewall Authentication Proxy for FTP and Telnet Sessions		Х
Firewall Feature Set		Х
Firewall Intrusion Detection System		Х
Firewall N2H2 Support		Х
Firewall Stateful Inspection of ICMP		Х
Firewall Support for SIP		Х
Firewall Support of Skinny Client Control Protocol (SCCP)		Х
Firewall Support of SSL Encrypted HTTP Authentication Proxy Sign-on		Х
Firewall Websense URL Filtering		Х
Flexible NetFlow	Х	Х
Flexible Packet Matching		Х
Flow-Based WRED	Х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
FPM CCE Integration including XML CCE infrastructure		Х
Frame Mode TDM over G.shdsl	Х	Х
Frame Relay	Х	Х
Frame Relay - FRF.1.2 Annex A	X	Х
Frame Relay - FRF.5 & FRF.8	X	Х
Frame Relay - Multilink (MLFR-FRF.16)	X	X
Frame Relay - PVC Bundles with IP QoS Support	X	X
Frame Relay - PVC Bundles with MPLS QoS Support	X	X
Frame Relay 64-bit Counters	X	X
Frame Relay ELMI Address Registration	Х	Х
Frame Relay Encapsulation	Х	Х
Frame Relay End-to-End Keepalive	X	X
Frame Relay Fragmentation (FRF.12)	X	X
Frame Relay Fragmentation with Hardware Compression		X
Frame Relay FRF.9 Payload Compression	Х	X
Frame Relay PVC Interface Priority Queueing	X	X
Frame Relay Queuing and Fragmentation at the Interface	X	X
Frame Relay Router ForeSight	Х	Х
Frame Relay Show and Debug Command Enhancement	X	Х
Frame Relay SVC Support (DTE)		Х
Frame Relay Switched Virtual Circuits (SVC) over ISDN	Х	Х
Frame Relay Switching	X	Х
Frame Relay Switching Diagnostics and Troubleshooting	Х	Х
Frame Relay Switching Enhancements: Shaping and Policing	X	Х
Frame Relay Traffic Shaping (FRTS)	Х	Х
Frame Relay Tunnel Switching		Х
Frame Relay Voice Adaptive Traffic Shaping	Х	Х
Framed-Route in RADIUS Accounting	Х	Х
FRF.20 support	X	Х
FTP Support for Downloading Software Images	Х	Х
G.SHDSL Symmetric DSL Support	Х	Х
Gateway Load Balancing Protocol (GLBP)	Х	Х
Generic Routing Encapsulation (GRE)	Х	Х
Generic Routing Encapsulation (GRE) Tunnel Keepalive	 x	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP		ADVANCED SECURITY	
Generic Traffic Shaping (GTS)	Х	1 P	Х	
GLBP MD5 Authentication	X		X	
Granular Protocol Inspection	X		X	
GRE Tunnel IP Source and Destination VRF Membership	Х		X	
Group Scheduler Enhancement			X	
Half bridge/half router for CPP and PPP	Х		X	
HSRP - Hot Standby Router Protocol	X		X	
HSRP - Hot Standby Router Protocol and IPSec	X		X	
HSRP MD5 Authentication	X		X	
HSRP over ISL	X		X	
HSRP support for ICMP Redirects	X		X	
HSRP support for MPLS VPNs	X		X	
HTTP 1.1 Web Client	X		X	
HTTP 1.1 Web Server	X		X	
HTTP Inspection Engine			X	
HTTP Security	Х		X	
HTTP Server - Enabling of Applications	X		X	
HTTPS - HTTP with SSL 3.0	X		X	
iBGP Multipath Load Sharing			X	
ICMP Unreachable Rate Limiting User Feedback	Х		X	
IDS Support of Security Device Event Exchange (SDEE)			X	
IEEE 802.11 Wireless Standards Support	Х		X	
IEEE 802.11a Support	X		X	
IEEE 802.11b Support	X		X	
IEEE 802.11d World Mode Support	Х		Х	
IEEE 802.11g Support	Х		Х	
IEEE 802.1p Support	Х		Х	
IEEE 802.1Q ISL VLAN Mapping	X		X	
IEEE 802.1Q Tunneling	X		X	
IEEE 802.1Q VLAN Support	X		X	
IEEE 802.1Q VLAN Trunking	X		X	
IEEE 802.1x - VPN Access Control	X		X	
IEEE 802.1x Authenticator	X		X	
IEEE 802.1x Supplicant	X		X	

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY	
IEEE 802.1x Supplicant Support for EAP-FAST	Х	Х	
IEEE 802.3x Flow Control	X	X	
IGMP Fast Leave	X	X	
IGMP MIB Support Enhancements for SNMP	Х	Х	
IGMP Snooping	Х	Х	
IGMP State Limit	Х	Х	
IGMP Version 2	Х	Х	
IGMP Version 3	Х	Х	
IGMP Version 3 - Explicit Tracking of Hosts, Groups, and Channels	Х	Х	
Ignore revocation check and expired certs based on CERT ACL	Х	Х	
IKE - Initiate Aggressive Mode		Х	
IKE Extended Authentication (Xauth)		Х	
IKE Mode Configuration		Х	
IKE Security Protocol		X	
IKE Shared Secret Using AAA Server		X	
Image Verification	Х	X	
Import of RSA keypair in PEM format	Х	Х	
Inline Power Auto Negotiation	Х	Х	
Integrated IS-IS Global Default Metric		X	
Integrated IS-IS Point to Point Adjacency over Broadcast Media		Х	
Integrated IS-IS Protocol Shutdown Support Maintaining Configuration Parameters		Х	
Integrated routing and bridging (IRB)	Х	Х	
Interface Alias Long Name Support	Х	Х	
Interface Index Display	X	Х	
Interface Index Persistence	X	Х	
Interface Range Specification	X	Х	
Intrusion Prevention System		Х	
Invalid Special Parameter Index (SPI) Recovery		Х	
IOS Certificate Server (CS) Split Database	Х	Х	
IP DSCP marking for Frame-Relay PVC	Х	X	
IP Enhanced IGRP Route Authentication	Х	X	
IP Event Dampening	Х	X	
IP Multicast Load Splitting across Equal-Cost Paths	Х	X	
IP Multicast Multilayer Switching (MMLS)	Х	X	

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
IP Multilayer Switching (IP MLS)		Х
IP Named Access Control List	Х	Х
IP over CLNS tunnel		Х
IP Overlapping Address Pools (AOP)	X	Х
IP Precedence Accounting	X	Х
IP Precedence for GRE Tunnels	X	Х
IP Routing	X	Х
IP SLAs - Application Performance Monitor (APM)		Х
IP SLAs - ATM Interfaces		Х
IP SLAs - ATM/Frame-Relay Thresholds		Х
IP SLAs - DHCP Operation		Х
IP SLAs - Distribution of Statistics		Х
IP SLAs - DLSW+ Operation		Х
IP SLAs - DNS Operation		Х
IP SLAs - Frame Relay Interfaces		Х
IP SLAs - Frame Relay Operation		Х
IP SLAs - FTP Operation		Х
IP SLAs - History Statistics		X
IP SLAs - HTTP Operation		Х
IP SLAs - ICMP Echo Operation		X
IP SLAs - ICMP Jitter Operation		Х
IP SLAs - ICMP Path Echo Operation		Х
IP SLAs - MPLS VPN Awareness		Х
IP SLAs - Multi Operation Scheduler		Х
IP SLAs - One Way Measurement		Х
IP SLAs - Path Jitter Operation		Х
IP SLAs - Reaction Threshold	Х	X
IP SLAs - Scheduler	X	Х
IP SLAs - SNA LU2 Echo	X	Х
IP SLAs - SNMP Support		Х
IP SLAs - TCP Connect Operation	Х	X
IP SLAs - UDP Based VoIP Operation		X
IP SLAs - UDP Echo Operation	X	X
IP SLAs - UDP Jitter Operation	Х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
IP SLAs - VoIP Threshold Traps		Х
IP SLAs Additional Threshold Traps		Х
IP SLAs Random Scheduler		Х
IP Source Tracker	Х	Х
IP Summary Address for RIPv2	Х	Х
IP to ATM CoS, per-VC WFQ and CBWFQ	Х	Х
IP Traffic Export	Х	Х
IPHC Profiles	Х	X
IPSec and Quality of Service		Х
IPSec Anti-Replay Window: Expanding and Disabling		Х
IPSec Dead Peer Detection (DPD) Periodic Message Option		Х
IPSec MIB Support for Cisco IPSec VPN Management		Х
IPsec NAT Transparency		X
IPSec Network Security		Х
IPSEC Preferred Peer		Х
IPSec Through Network Address Translation Support	Х	Х
IPSec Triple DES Encryption (3DES)		Х
IPsec Virtual Tunnel Interface		Х
IPSec VPN Accounting		Х
IPSec VPN High Availability Enhancements		X
IPSec VTI - Virtual Tunnel Interface		X
ISDN	Х	Х
ISDN Advice of Charge (AOC)	Х	Х
ISDN BCAC and Round-Robin Channel Selection Enhancements	Х	Х
ISDN Caller ID Callback	Х	Х
ISDN Cause Code Override	Х	Х
ISDN Generic Transparency Descriptor (GTD) for Setup Message	Х	Х
ISDN LAPB-TA	Х	Х
ISDN Leased Line at 128kbps	Х	Х
ISDN Network Side for ETSI Net5 PRI	Х	Х
ISDN NFAS	Х	Х
ISDN PRI support for Integrated SLT	Х	Х
ISDN TON to Radius server	Х	Х
ISDN-NFAS with D Channel Backup	Х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
S-IS		Х
S-IS Caching of Redistributed Routes		Х
S-IS HMAC-MD5 Authentication		Х
S-IS Incremental Shortest Path First (i-SPF) Support		Х
S-IS Limit on Number of Redistributed Routes		Х
S-IS Mechanism to Exclude Connected IP Prefix from LSP Advertisements		X
S-IS Multiarea Support		X
S-IS Support for IP Route Tags		Х
S-IS Support for Priority-Driven IP Prefix RIB Installation		Х
SL VLAN	Х	Х
SO CLNS		Х
Jumbo Frames	Х	Х
Kerberos V client support		Х
Key Rollover for Certificate Renewal	Х	Х
L2TP - IPSEC Support for NAT and PAT Windows Clients	X	Х
L2TP - Large Scale Dial-Out per user attibute via AAA	Х	Х
L2TP Client Initiated Tunneling	Х	Х
L2TP Dial-Out	Х	Х
L2TP Dial-Out Load Balancing & Redundancy	Х	Х
_2TP Extended Failover	Х	Х
L2TP Layer 2 Tunneling Protocol	Х	Х
_2TP Redirect	Х	Х
_2TP Security	X	Х
L2TP Tunnel Connection Speed Labeling	X	Х
_2TP Tunnel Preservation of IP TOS	X	Х
Large Scale Dial Out (LSDO) VRF Aware	Х	Х
Large Scale Dialout (LSDO)		Х
Layer 2 Forwarding-Fast Switching	Х	Х
Line Printer Daemon (LPD)	Х	Х
Link Fragmentation and Interleaving (LFI) for Frame Relay and ATM Virtual Circuits	Х	Х
Loadsharing IP packets over more than six parallel paths	Х	Х
Local Proxy ARP	X	Х
Lock and Key	Х	Х
Low Latency Queueing (LLQ)	Х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
Low Latency Queueing (LLQ) for Frame Relay	X	Х
Low Latency Queueing (LLQ) with Priority Percentage Support	l l x	X
LSDO: L2TP Large-Scale Dial-Out	l l x	X
MAC Address Filtering	l l x	X
MAC Address Local Authentication	l l x	X
Management Plane Protection		Х
Manual certificate enrollment (TFTP and cut-and-paste)	х	Х
MD5 File Validation	l l x	х
Memory Leak Detector	l l x	Х
Memory Traceback Recording	l l x	Х
Message Banners for AAA Authentication	l l x	Х
MGCP Layer 2 Teardown for IUA DPNSS Trunks	l l x	Х
Microsoft Point-to-Point Compression (MPPC)	l l x	Х
MLPPP - Multilink PPP	l l x	Х
MLPPP Bundling - DSL Interfaces	l l x	Х
MLPPP Enable/Disable via Radius for Preauthentication User	l l x	X
MLPPP Minimum Links Mandatory		X
Modem Calls over QSIG		X
Modem over BRI		X
Modem Script and System Script Support in LSDO		Х
Modem User Interface Option		Х
Modular QoS CLI (MQC)		X
Modular QoS CLI (MQC) - Based Frame Relay Traffic Shaping		Х
Modular QoS CLI (MQC) Three-Level Hierarchical Policer	X	Х
Modular QoS CLI (MQC) Unconditional Packet Discard	X	Х
Monitoring Control Characters on Async Lines	X	Х
MPLS VPN VRF Selection using Policy Based Routing	X	Х
MS Callback	X	Х
MS-CHAP Version 1	X	Х
MS-CHAP Version 2		Х
MSDP compliance with IETF RFC 3618	X	Х
MSDP MD5 password authentication	x	Х
MTree crypto data structure optimizations		Х
Multicast BGP (MBGP)		Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
Multicast Fast Switching Performance Improvement	Х	Х
Multicast NAT	X	Х
Multicast Routing Monitor (MRM)	Х	Х
Multicast Source Discovery Protocol (MSDP)		Х
Multicast Subsecond Convergence	X	Х
Multicast-VPN: Multicast Support for MPLS VPN	X	Х
Multichassis MultiLink PPP (MMP)		Х
Multiclass Multilink PPP	Х	Х
Multihop VPDN	X	Х
Multilink Frame Relay (FRF.16.1) - Variable Bandwidth Class	X	Х
Multi-pad support for X.25 connections	X	Х
Multiple RSA Keypair Support	Х	Х
Multiple SSIDs	X	Х
Multi-protocol BGP (MP-BGP) - MPLS VPN		Х
Multiprotocol BGP (MP-BGP) Support for CLNS		Х
Multi-VRF Support (VRF lite)	Х	Х
NAC - Agentless Host Support		Х
NAC - Network Admission Control		Х
Named Method Lists for AAA Authorization and Accounting	Х	Х
NAT - Ability to use Routes Maps with Static Translations	X	Х
NAT - Default Inside Server Enhancement	X	Х
NAT - Enhanced H.225/H.245 Forwarding Engine	X	Х
NAT - Network Address Translation	X	Х
NAT - Optimized SIP Media Path with SDP	X	Х
NAT - Optimized SIP Media Path without SDP	X	Х
NAT - Performance & Scalability enhancement - Timer Wheel	Х	Х
NAT - Performance Enhancement - CEF Switching Support	Х	Х
NAT - Rate Limiting NAT Translation	X	Х
NAT - Stateful Fail-Over - Asymmetric Outside-to-Inside Support	Х	Х
NAT - Stateful Fail-over for Embedded Addressing	Х	Х
NAT - Stateful Fail-over of Network Address Translation (SNAT) Phase 1	Х	Х
NAT - Static IP Support	Х	Х
NAT - Static Mapping Support with HSRP for High-Availability	Х	Х
NAT - Support for H.323 Fragmented Control Messages	х	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
NAT - Support for H.323v3 and v4 in v2 Compatibility mode	Х	Х
NAT - Support for NetMeeting Directory (Internet Locator Service - ILS)		Х
NAT - Support for SIP		Х
NAT - Support of H.323v2 Call Signaling (FastConnect)	l x	Х
NAT - Support of H.323v2 RAS	X	X
NAT - Support of IP Phone to Cisco Call Manager	X	X
NAT - Translation of external IP Addresses only		X
NAT - VRF Aware NAT	l x	X
NAT as SIP-Session Border Controller Hosted NAT Traversal		Х
NAT as SIP-Session Border Controller Media Flow	X	X
NAT as SIP-Session Border Controller Support for Address-Only Fields	X	X
National ISDN Switch Types for BRI and PRI Interfaces	l x	Х
NAT-Support of IP Phone to Cisco Call Manager		Х
NBAR - Citrix ICA Published Applications		Х
NBAR - Multiple Matches Per Port		Х
NBAR - Network-based Application Recognition	X	X
NBAR- BitTorrent PDLM	X	X
NBAR Extended Inspection for HTTP Traffic		X
NBAR PDLM Versioning	X	X
NBAR Real-time Transport Protocol Payload Classification	X	X
NBAR User-Defined Custom Application Classification		X
NBAR-NAT Integration & RTSP		Х
NetBEUI over PPP (NBFCP)		Х
NETCONF over BEEP	Х	X
NETCONF over SSHv2		X
NetFlow	X	X
NetFlow Aggregation		X
NetFlow Dynamic Top Talkers CLI		X
Netflow Egress Accounting		Х
NetFlow Input Filters	X	X
NetFlow Layer 2 and Security Monitoring Exports	X	X
Netflow Multicast Support	X	X
Netflow Multiple Export Destinations	X	X
NetFlow Policy Routing (NPR)	l x	Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
NetFlow Subinterface Support	Х	Х
NetFlow ToS-Based Router Aggregation	Х	Х
NetFlow v9 Export Format	Х	Х
Network Analysis Module (NAM)	Х	Х
Network Side ISDN PRI Signaling, Trunking, and Switching	Х	Х
Network Time Protocol (NTP)	Х	Х
Next Hop Resolution Protocol (NHRP)	Х	Х
Next Hop Resolution Protocol (NHRP) - CEF rewrite for DMVPN Networks	Х	Х
NSF Awareness - BGP		Х
NSF Awareness - EIGRP	Х	Х
NSF Awareness - IS-IS		Х
NSF Awareness - OSPF	Х	Х
NSF Awareness - OSPF (RFC 3623 OSPF Graceful Restart Helper Mode)	Х	Х
NSF Awareness (Nonstop Forwarding Awareness)		Х
OCSP - Server Certification from Alternate Hierarchy	Х	Х
OCSP (Online Certificate Status Protocol)	Х	Х
OER - Inbound Optimization thru BGP		Х
OER - Voice Traffic Optimization		Х
OER Application-Aware Routing: PBR		Х
OER Port and Protocol Based Prefix Learning		Х
OER VPN IPsec/GRE Tunnel Optimization		Х
Offload Server Accounting Enhancement	Х	Х
On Demand Routing (ODR)	Х	Х
Optimized Edge Routing (OER)		Х
Optimized PPP Negotiation	Х	Х
Option to Disable Hardware Crypto Engine Failover to Software Crypto Engine		Х
Optional OCSP Nonce	Х	Х
OSPF	Х	Х
OSPF ABR type 3 LSA Filtering	Х	Х
OSPF Area Transit Capability	Х	Х
OSPF Flooding Reduction	Х	Х
OSPF Forwarding Address Suppression in Translated Type-5 LSAs	Х	Х
OSPF Inbound Filtering using Route Maps with a Distribute List	Х	Х
OSPF Incremental Shortest Path First (i-SPF) Support	Х	X

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
OSPF Limit on Number of Redistributed Routes	Х	Х
OSPF Link State Database Overload Protection	Х	Х
OSPF Link-local Signaling (LLS) Per Interface Basis	Х	X
OSPF MIB Support of RFC 1850 and Latest Extensions	X	Х
OSPF Not-So-Stubby Areas (NSSA)	X	Х
OSPF On Demand Circuit (RFC 1793)	Х	X
OSPF Packet Pacing	Х	Х
OSPF Sham-Link Support for MPLS VPN	Х	X
OSPF Shortest Paths First Throttling	Х	Х
OSPF Stub Router Advertisement	Х	X
OSPF Support for Fast Hellos	Х	X
OSPF Support for Link State Advertisement (LSA) Throttling	Х	X
OSPF Support for Multi-VRF on CE Routers	Х	X
OSPF Support for Unlimited Software VRFs per Provider Edge (PE) Router	Х	X
OSPF Update Packet-Pacing Configurable Timers	Х	X
P2P Application Inspection and Control - Phase 1		X
Packet Classification Based on Layer3 Packet-Length	Х	X
Packet Classification using Frame-Relay DLCI Number	Х	Х
PAD Subaddress Formatting Option	Х	X
PAD Subaddressing	Х	X
Parse Bookmarks	Х	Х
Parser Cache	Х	X
Password Authentication Protocol (PAP)	Х	X
PBR Support for Multiple Tracking Options	Х	Х
Peer Pool Backup Support	Х	X
Per VRF AAA	Х	X
Percentage-Based Policing and Shaping	Х	Х
Performance Enhancements for IOS ACL	Х	X
Persistent Self-Signed Certificates	Х	Х
Per-User Configuration	Х	Х
Per-User QoS via AAA Policy Name	х	Х
PGM Host		X
PIM Dense Mode State Refresh	Х	Х
PIM MIB Extension for IP Multicast	Х	

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
PIM Multicast Scalability	X	X
PIM Version 1	x	x
PIM Version 2	x	x x
PKI AAA Authorization Using the Entire Subject Name	x	x x
PKI Integration with AAA Server	x	x x
Policer Enhancement - Multiple Actions	X	x
Policy Based Routing: Recursive Next Hop	X	X X
Policy-Based Routing (PBR)	X	x
Port to Application Mapping (PAM)	X	x
PPP	Х	l x
PPP MLP MRRU negotiation configuration	X	l x
PPP over ATM	X	X
PPP over ATM (IETF-Compliant)	X	X
PPP over ATM SVCs	X	X
PPP Over Fast Ethernet 802.1Q	Х	l x
PPP over Frame Relay	X	X
PPPoA/PPPoE autosense for ATM PVCs	Х	х
PPPoE Client	Х	Х
PPPoE Client DDR Idle-Timer	Х	Х
PPPoE Connection Throttling		Х
PPPoE MTU Adjustment	X	Х
PPPoE on Ethernet	Х	Х
PPPoE over VLANs Scaling and PPPoE over VLANs forwarding over PVC		Х
PPPoE Radius Port Identification	Х	Х
PPPoE Relay	Х	Х
PPPoE Server Restructuring and PPPoE Profiles	Х	Х
PPPoE Service Selection		Х
PPPoE Session limit	Х	Х
PPPoE Session Limit per NAS port	Х	Х
PPPoE Session Recovery After Reload		Х
PPTP with MPPE		Х
Pragmatic General Multicast (PGM)		Х
Preauthentication with ISDN PRI and Channel-Associated Signalling Enhancements	X	Х
Pre-fragmentation For Ipsec VPNs	X	

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
PRI/Q.931 Signaling Backhaul for Call Agent Applications	Х	X
Priority Queueing (PQ)	Х	X
Privilege Command Enhancement	Х	X
Protected Private Key Storage	Х	Х
Protocol Translation (PT)	Х	Х
Protocol Translation Ruleset	Х	Х
QoS Bandwidth Estimation	Х	Х
QoS Device Manager (QDM)	Х	Х
QoS for Virtual Private Networks	Х	Х
QoS Packet Marking	Х	Х
QoS Policy Propagation via Border Gateway Protocol (QPPB)		Х
QoS Priority Percentage CLI Support	Х	Х
QOS: DirectConnect PDLM	Х	Х
QoS: Skype classification	Х	Х
Quality of Service (QoS) - Classification Only	Х	Х
Quality of Service (QoS) Queuing	Х	Х
Query Mode Definition Per Trustpoint	Х	Х
Query Multiple Servers during Certificate Revocation Check	Х	Х
Radio Management Aggregation		Х
RADIUS	Х	Х
RADIUS Attribute 104	Х	Х
RADIUS Attribute 44 (Accounting Session ID) in Access Requests	Х	Х
RADIUS attribute 5 (NAS-Port) format specified on a per-server group level	Х	Х
RADIUS Attribute 52 and 53 Gigaword Support	Х	Х
RADIUS Attribute 66 (Tunnel-Client-Endpoint) Enhancements	Х	Х
RADIUS Attribute 77 for DSL	Х	Х
RADIUS Attribute 82: Tunnel Assignment Id	Х	Х
RADIUS Attribute 91 Encrypted and Tagged VSA Support	Х	Х
RADIUS Attribute Value Screening	Х	Х
RADIUS Centralized Filter Management	Х	Х
RADIUS EAP Support	Х	Х
RADIUS for Multiple User Datagram Protocol Ports	Х	Х
RADIUS Logical Line ID	Х	Х
RADIUS NAS-IP-Address Configurability	Х	x

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
RADIUS Progress Codes	Х	Х
RADIUS Route Download	х	Х
RADIUS Server per SSID	х	Х
RADIUS Server Reorder on Fail	Х	Х
RADIUS Timeout set during Pre-Authentication	х	Х
RADIUS Tunnel Attribute Extensions	х	Х
RADIUS Tunnel Preference for Load Balancing and Fail-over	х	Х
RADIUS VC Logging	х	Х
Random Early Detection (RED)	х	Х
Random Sampled NetFlow	Х	Х
Rate Queues for SVCs per sub-interface		Х
Rate-Limiting Inspected Traffic		Х
RBE Client Side Encapsulation with QoS	Х	Х
Real-time Resolution for IPsec Tunnel Peer		Х
Redial Enhancements	Х	Х
Re-Enroll Using Existing Certificate	Х	Х
Reflexive Access Lists	Х	Х
Reliable Static Routing Back-up using Object Tracking		Х
Remote Monitoring MIB Update	Х	Х
Resource Pool Management with Direct Remote Services	Х	Х
Response Time Reporter (RTR)		Х
Response Time Reporter (RTR) enhancements		Х
Reverse Path Forwarding - Source Exists only	Х	Х
Reverse Route Injection (RRI)	Х	Х
Reverse SSH Enhancements	Х	X
RFC 1483 for Token Ring Networks		Х
RFC 2576: SNMP v1/ v2c pdu conversions for proxy forwarder	Х	
RFC-2867 Tunnel Accounting	Х	Х
RGMP - Router-Port Group Management Protocol	Х	Х
RIP	Х	Х
RIPv2: RFC 1724 MIB Extension	Х	X
RMON events and alarms	Х	X
RMON full	Х	X
Rotating Through Dial Strings	X	х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
RSVP - Resource Reservation Protocol	Х	Х
RSVP Application ID Support	X	X
RSVP Local Policy Support	X	X
RSVP Message Authentication	X	Х
RSVP Refresh Reduction and Reliable Messaging	х	Х
RSVP Scalability Enhancements	Х	Х
RSVP Support for Frame Relay	х	Х
RSVP support for LLQ	Х	Х
RSVP Support for RTP Header Compression	х	Х
RTP Header Compression	X	Х
RTP Header Compression over Satellite Links	X	Х
SDP (Secure Device Provisioning) Start Page		Х
SEAL Encryption	Х	Х
Secure Copy (SCP)	Х	Х
Secure Shell SSH Terminal-line access	Х	Х
Secure Shell SSH Version 1 Integrated Client	Х	Х
Secure Shell SSH Version 1 Server Support	Х	Х
Secure Shell SSH Version 2 Client Support	Х	Х
Secure Shell SSH Version 2 Server Support	Х	Х
Security Device Manager (SDM)	Х	Х
Selective Packet Discard (SPD)	Х	Х
Selective Virtual-Access Interface Creation	Х	Х
Session Limit Per VRF	Х	Х
SHDSL - Auto Detection of 2 Wire Versus 4 Wire Line Mode	Х	Х
Shell-Based Authentication of VPDN Users	Х	Х
Show Command Redirect	Х	Х
Silent Operation Mode	Х	Х
Simple Network Time Protocol (SNTP)	Х	Х
Simple Network-enabled Auto Provisioning (SNAP)	Х	Х
Single Rate 3-Color Marker for Traffic Policing	Х	Х
Snapshot routing	X	Х
SNMP (Simple Network Management Protocol)	Х	Х
SNMP Inform Request	X	
SNMP Manager	X	

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
SNMP Support for IOS vLAN Subinterfaces	Х	Х
SNMP Support for Named Access Lists	X	Х
SNMP Support for vLAN (ISL, DOT1Q) Subinterfaces	X	Х
SNMP Support over VPN	X	Х
SNMP Support over VPNs - Context Based Access Control	X	Х
SNMPv2C	X	X
SNMPv3 - 3DES and AES Encryption Support	X	X
SNMPv3 (SNMP Version 3)	X	X
Source Interface Selection for Outgoing Traffic with Certificate Authority (CA)	X	X
Source Specific Multicast (SSM)	X	X
Source Specific Multicast (SSM) - IGMPv3,IGMP v3lite, and URD	X	X
Source Specific Multicast (SSM) Mapping	X	X
Spanning Tree Protocol (STP)	X	X
Spanning Tree Protocol (STP) - Backbone Fast Convergence	X	X
Spanning Tree Protocol (STP) - Loop Guard	X	X
Spanning Tree Protocol (STP) - Portfast	X	X
Spanning Tree Protocol (STP) - Portfast BPDU Guard	X	X
Spanning Tree Protocol (STP) - Uplink Fast Convergence	X	X
Spanning Tree Protocol (STP) - Uplink Load Balancing	X	X
Spanning Tree Protocol (STP) Extension	X	X
SRB - Source-Route bridging		X
SSG RADIUS VC Logging Enhancement	Х	X
SSL VPN - WebVPN Enhancements		X
Stack Group Bidding Protocol (SGBP)		X
Standard IP Access List Logging	Х	X
Stream Control Transmission Protocol (SCTP)	X	X
Stub IP Multicast Routing	X	X
Subnetwork Bandwidth Manager (SBM)	X	X
Subordinate/RA Mode IOS Certificate Server (CS) Rollover	X	X
Subscriber Service Switch	X	X
Support for IUA with SCTP for Cisco Access Servers	X	X
Switch Port Analyzer (SPAN)	X	X
Switch Port Analyzer (SPAN) - Disable Receive Traffic Destination Port	X	X
Switch Port Analyzer (SPAN) - Multiple Source Port Selection		X

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
Switched Multimegabit Data Service (SMDS)	Х	Х
T1/E1 Mode for Two-Wire SHDSL	Х	Х
Tacacs SENDAUTH function	Х	Х
Tacacs Single Connection	Х	Х
TACACS+	X	Х
TACACS+ Per VRF	Х	Х
TCL scripting		Х
TCP - Explicit Congestion Notification	Х	Х
TCP - TCP Congestion Avoidance	Х	Х
TCP Show Extension	Х	Х
TCP Window Scaling	Х	Х
Threat Information Distribution Protocol (TIDP)		Х
TIDP - Based Mitigation Services		Х
Time-Based Access Lists Using Time Ranges	Х	Х
Timer and Retry Enhancements for L2TP and L2F	X	Х
Transmit Power Control (TPC)	Х	Х
Transparent Bridging	X	Х
Transparent IOS Firewall		Х
Transparent IPS		Х
Triggered RIP	Х	Х
Trimble Palisade NTP Synchronization Driver	Х	Х
Trusted Root Certification Authority	Х	Х
Trustpoint CLI	Х	Х
Tunable Tx-Ring buffer-DSL interfaces	Х	Х
Tunnel Authentication via Radius on LNS	Х	Х
Tunnel Endpoint Discovery		Х
Tunnel Type of Service (TOS)	Х	Х
Turbo Flooding of UDP Datagrams	Х	Х
Two-Rate Policer	Х	Х
UDI - Unique Device Identifier	Х	Х
UDLR Tunnel ARP and IGMP Proxy	Х	Х
UDP forwarding support of IP Redundancy Virtual Router Group (VRG)	Х	Х
Unicast Reverse Path Forwarding (uRPF)	Х	Х
Uni-Directional Link Routing (UDLR)		Х

CISCO IOS VERSION 12.4(9)T2	BASE IP	ADVANCED SECURITY
Unity Express Voice Mail and Auto Attendant on AIM	Х	Х
USB Storage	Х	Х
USB Storage PKI Enhancements	Х	Х
User Maximum Links	Х	Х
Using 31-bit Prefixes on IPv4 Point-to-Point Links	Х	Х
V.110 support for Digital Modems	Х	Х
V.120 Support	Х	Х
V.92 Modem on Hold	Х	Х
Vendor-Specific RADIUS Attributes	Х	Х
Virtual Fragmentation Reassembly	Х	Х
Virtual Interface Template Service	Х	Х
Virtual Private Dial-up Network (VPDN)	Х	Х
Virtual Profile CEF Switched	Х	Х
Virtual Profiles	Х	Х
Virtual Router Redundancy Protocol (VRRP)	Х	Х
Virtual Templates for Protocol Translation		Х
VLAN Range	Х	Х
VLANs over IP Unnumbered Sub-Interfaces	Х	Х
VoIP Gateway Trunk and Carrier Based Routing Enhancements	Х	Х
VPDN Default Group Template	Х	Х
VPDN Group Session Limiting	Х	Х
VPDN Multihop by DNIS	Х	Х
VPN Routing Forwarding (VRF) Framed Route (Pool) Assignment via PPP	Х	Х
VPN Tunnel Management	Х	Х
VRF Aware Cisco IOS Firewall		Х
VRF Aware Dialer Watch	Х	Х
VRF aware IPsec		Х
VRF-Aware VPDN Tunnels	Х	Х
VRRP MD5 Authentication	Х	X
WCCP Redirection on Inbound Interfaces	Х	Х
WCCP Version 1	Х	Х
WCCP Version 2	Х	Х
WebVPN		Х
WebVPN Auto Applet Download		Х

CISCO IOS VERSION 42 4(0)T2
CISCO IOS VERSION 12.4(9)T2
WebVPN NTLM Authentication WebVPN RADIUS Accounting
Weighted Fair Queueing (WFQ)
Weighted RED (WRED)
Wi-Fi Protected Access (WPA)
Wildcard Pre-Shared Key
World Mode
WRED Enhancement - Explicit Congestion Notification (ECN)
x Digital Subscriber Line (xDSL) Bridge Support
X.25
X.25 Annex G Session Status Change Reporting
X.25 Call Confirm Packet Address Control
X.25 Calling Address Insertion and Removal Based on Input Interface
X.25 Closed User Group
X.25 Data Display Trace
X.25 Dual Serial Line Management
X.25 Failover
X.25 Load Balancing
X.25 on ISDN D-Channel
X.25 over Frame Relay (Annex G)
X.25 over TCP (XOT)
X.25 Over TCP Profiles
X.25 Record Boundary Preservation for Data Communications Networks
X.25 Remote Failure Detection
X.25 Station Type For ISDN D-Channel Interface
X.25 Suppression of Security Signaling Facilities
X.25 Switch Local Acknowledgement
X.25 Switching between PVCs and SVCs
X.25 Terminal Line Security for PAD Connections
X.28 Emulation
Zone-Based Policy Firewall

BASE IP	ADVANCED SECURITY
	X X
Х	Х
X	Х
X	Х
	X
X	X
X X	X X
X	x
X	x
X	X
X	X
X	Х
X	Х
X	Х
X	X
X	X
X	X
X X	X X
X	x
X	x
X	X
X	Х
X	Х
X	Х
X	Х
X	X
Χ	X
	Х