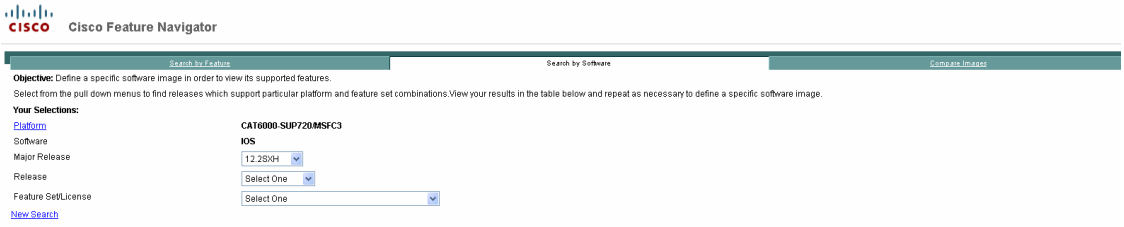

NOTE: The features listed below are not available in every software image.

Search Results

Features

256+ VLANS

8-Way CEF Load Balancing

AAA Broadcast Accounting

AAA DNIS Map for Authorization

AAA Resource Accounting

AAA Server Group

AAA Server Group Deadtimer

AAA Server Group Enhancements

AAA Server Groups Based on DNIS

ACL - Improved Merging Algorithm

ACL - Named ACL Support for Noncontiguous Ports on an Access Control Entry

ACL - Reflexive Access Lists

ACL Sequence Numbering

ACLs for secondary VLANs

Additional Vendor-Proprietary RADIUS Attributes

Address Resolution Protocol (ARP)

Advanced QinQ Service Mapping

Advanced Voice Busyout (AVBO)

Airline Product Set (ALPS)

Airline Product Set Enhancements (MATIP)

Any Transport over MPLS (AToM): Ethernet over MPLS: Port Mode (EoMPLS)

Any Transport over MPLS (AToM): ATM AAL5 over MPLS (AAL5oMPLS)

Any Transport over MPLS (AToM): Ethernet over MPLS (EoMPLS)

Any Transport over MPLS (AToM): Frame Relay over MPLS (FRoMPLS)

Any Transport over MPLS (AToM): HDLC over MPLS (HDLCoMPLS)

Any Transport over MPLS (AToM): PPP over MPLS (PPPoMPLS)

Any Transport over MPLS (AToM): Single Cell Relay - VC Mode (CRoMPLS)

AppleTalk 1 and 2

AppleTalk Access List Enhancements

AppleTalk Control Protocol (ATCP)

AppleTalk Load Balancing

AppleTalk Remote Access Protocol (ARAP)

AppleTalk Routing over ISL and IEEE 802.10 in Virtual LANs

AppleTalk SMRP

AppleTalk Update-Based Routing Protocol (AURP)

ARP (MAC) ACL for IP

Asynchronous Serial Traffic Over UDP (aka UDPTN)

ATM AAL5 OAM Emulation over L2TPv3

ATM Access Lists

ATM ARP Client

ATM ARP Server

ATM Cell Loss Priority (CLP) Setting

ATM OAM Ping

ATM PVC Trap Enhancements for Segment and End AIS/RDI failures

ATM PVC Trap Support

ATM Routed Bridge Encapsulation (RBE)

ATM Tag Switch Router (TSR)

ATM VC Access Trunk Emulation

ATM-DXI

Authentication Proxy Accounting for HTTP

AutoInstall Using DHCP for LAN Interfaces

Automatic modem configuration

Automatic Protection Switching (APS)

Autostate

Autostate - Firewall Capability

Bandwidth Allocation Control Protocol (BACP)

Bandwidth Command for HQoS Parent Class Support

Banyan VINES

Banyan VINES SRTP

BGP

BGP 4

BGP 4 Multipath Support

BGP 4 Prefix Filter and In-bound Route Maps

BGP 4 Soft Config

BGP Conditional Route Injection

BGP Configuration Using Peer Templates

BGP Convergence Optimization

BGP Cost Community

BGP Cost Community Support for EIGRP MPLS VPN PE-CE

BGP Dynamic Update Peer-Groups

BGP Hide Local-Autonomous System

BGP Hybrid CLI Support

BGP Increased Support of Numbered as-path Access Lists to 500

BGP Link Bandwidth

BGP Multipath Load Sharing for Both eBGP and iBGP in an MPLS-VPN

BGP Named Community Lists

BGP Next Hop Propagation

BGP Prefix-Based Outbound Route Filtering

BGP Reduction in Transient Memory Usage

BGP Restart Neighbor Session After max-prefix Limit Reached

BGP Route-Map Continue

BGP Soft Reset

BGP Support for IP Prefix Import from Global Table into a VRF Table

BGP Support for Named Extended Community Lists

BGP Support for Sequenced Entries in Extended Community Lists

BGP Support for TTL Security Check

Bidirectional Forwarding Detection (BFD) Standard Implementation

Bidirectional PIM

Bidirectional VACLs for Private VLANs

Bisync (BSC)

Bridge Control Protocol (BCP)

Bridge Control Protocol (BCP) Quality of Service (QoS)

Bridge Control Protocol (BCP) Support

Bridging between IEEE 802.1Q vLANs

Bridging using RFC1483 Routed Encapsulation (BRE)

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BSTUN (Block Serial Tunneling)

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CDP (Cisco Discovery Protocol) Version 2

CEF Support for IP Routing between IEEE 802.1Q vLANs

CEF Switching for Routed Bridge Encapsulation

CEF/dCEF - Cisco Express Forwarding

CEFv6 Switching for 6to4 Tunnels

CEFv6/dCEFv6 - Cisco Express Forwarding

Certificate - Auto Enrollment

Certificate - Security Attribute-Based Access Control

Certification Authority Interoperability (CA)

CGMP - Cisco Group Management Protocol

Challege Handshake Authentication Protocol (CHAP)

Cisco IOS Login Enhancements

Cisco IOS Software Modularity

CiscoView Autonomous Device Manager (ADP)

Class Based Ethernet CoS Matching & Marking (802.1p & ISL CoS)

Class Based Weighted Fair Queuing (CBWFQ)

Class-Based Marking

Class-Based Policing

Class-Based Shaping

Clear Counters Per Port

Clear Hardware Interface Counters

CLI String Search

CLNS Support for GRE Tunneling of IPv4 and IPv6

CNS - Interactive CLI

Commented IP Access List Entries

Committed Access Rate (CAR)

Compression Control Protocol

Configurable per ATM-VC Hold Queue size

Configurable Per VLAN MAC Learning (PVL)

Configurable Speed Negotiation

Configuration Change Notification and Logging

Configuration Versioning

Connection-Mode Network Service (CMNS)

Content Switching Module (CSM)

Context-Based Access Control (CBAC)

Contextual Configuration Diff Utility

Control Plane DSCP Support for RSVP

cRTP for FlexWAN Module

Crypto Conditional Debug Support

CSG CLI for CSG R7 Features

CSG: Content Services Gateway Release 1

CSG: Content Services Gateway Release 5

CSG: Content Services Gateway Release 6

CUG Selection Facility Suppress Option

Custom Queueing (CQ)

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Debounce Timer per Port

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DECNet IV

DECnet over ISL

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DHCP Client

DHCP Option 82 on Untrusted Port

DHCP Proxy Client

DHCP Relay Agent Support for Unnumbered Interfaces

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DHCP Server Options - Import and Autoconfiguration

DHCP Snooping

Diagnotics Options on bootup

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Diffserv Compliant WRED

Digital Optical Monitoring (DOM)

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Distibuted Traffic Policing

Distinguished Name Based Crypto Maps

Distributed CRTP (dCRTP)

Distributed MLPPP (dMLPPP)

Distributed Network-based Application Recognition (dNBAR)

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DLR Enhancements: PGM RFC-3208 Compliance

DLSw (RFC 1795)

DLSw CO features

DLSw V2

DLSw+

DLSw+ Asynchronous TCP Enhancements

DLSw+ Backup Peer Extensions for Encapsulation Types

DLSw+ Border Peer Caching

DLSw+ Enhanced Load Balancing

DLSw+ Ethernet Redundancy

DLSw+ Peer Group Clusters

DLSw+ RSVP Bandwidth Reservation

DLSw+ SNA Type of Service

DLSw+ Support For Transporting LLC1 UI Traffic

DMVPN - Phase 2

Dot1q Transparency for EoMPLS

Double Authentication

Down Stream Physical Unit (DSPU) over DLSw+

Downstream PU concentration (DSPU)

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DSCP-based Queue Mapping

Dynamic ARP Inspection

Dynamic Feedback Protocol (DFP)

Dynamic Trunking Protocol (DTP)

Easy IP (Phase 1)

EasyVPN Server Enhancements

Egress ACL Support for Remarked DSCP

EIGRP MPLS VPN PE-CE Site of Origin (SoO)

EIGRP Stub Routing

EIGRP Support for Route Map Filtering

Embedded Event Manager (EEM) 2.1

Embedded Network Management Improvements

Encapsulated Remote SPAN

Encrypted Kerberized Telnet

Encrypted Multicast over GRE

Encrypted Pre-shared Key

Enhanced ATM VC Configuration and Management

Enhanced High System Availability

Enhanced IGRP (EIGRP)

Enhanced Local Management Interface (ELMI)

Enhanced Password Security

Enhanced PoE Support (Additional Wattage Range)

ErrDisable Reactivation Per Port

ErrDisable timeout

EtherChannel

EtherChannel - Flexible PAgP

EtherChannel Enhancement - 128 EtherChannels Support

EtherChannel Enhancement - Single Port Channel

Etherchannel Guard

EtherChannel Layer 4 Distribution

EtherChannel Min-Links

Ethernet over MPLS (EoMPLS) - IEEE 802.1q Tag Stacking

Ethernet over MPLS (EoMPLS) - Port-Based

Ethernet over MPLS (EoMPLS) - Protocol Tunneling

Ethernet Over MPLS (EoMPLS) Per Vlan QoS

Exclusive Configuration Change Access

Exporting and Importing RSA Keys

Express RTP and TCP Header Compression

Extended ACL support for IGMP to support SSM in IPv4

Fast EtherChannel (FEC)

Fast-Switched Policy Routing

Fast-Switched SRTLB

Field Programmable Device Upgrade Tool

Firewall Authentication Proxy

Firewall Feature Set

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Flow-Based WRED

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Frame Relay - Multilink (MLFR-FRF.16)

Frame Relay Access Support (FRAS) Border Access Node (BAN)

Frame Relay Access Support (FRAS) Boundary Network Node (BNN)

Frame Relay Access Support (FRAS) Dial Backup over DLSW+

Frame Relay Access Support (FRAS) DLCI Backup

Frame Relay Access Support (FRAS) Host

Frame Relay ELMI Address Registration

Frame Relay Encapsulation

Frame Relay End-to-End Keepalive

Frame Relay Fragmentation (FRF.12)

Frame Relay Fragmentation with Hardware Compression

Frame Relay FRF.9 Payload Compression

Frame Relay IP RTP Priority

Frame Relay PVC Interface Priority Queueing

Frame Relay Queuing and Fragmentation at the Interface

Frame Relay Router ForeSight

Frame Relay SVC Support (DTE)

Frame Relay Switching

Frame Relay Switching Diagnostics and Troubleshooting

Frame Relay Switching Enhancements: Shaping and Policing

Frame Relay Traffic Shaping (FRTS)

Frame Relay Tunnel Switching

FRF.11 for FlexWAN Module

FTP Support for Downloading Software Images

Gateway Load Balancing Protocol (GLBP)

Generic Routing Encapsulation (GRE)

Generic Routing Encapsulation (GRE) Tunnel Keepalive

Generic Traffic Shaping (GTS)

GOLD - Generic Online Diagnostics

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Hardware Capacity Monitoring

Hardware-assisted NAT

Hierarchical Traffic Shaping

HQoS Support for Ethernet Over MPLS (EoMPLS) VC

HSRP - Hot Standby Router Protocol

HSRP over ISL

HSRP support for ICMP Redirects

HSRP support for MPLS VPNs

HTTP Security

iBGP Multipath Load Sharing

IDSM-2 Etherchannel Load Balancing

IEEE 802.1Q Custom Ethertype

IEEE 802.1Q ISL VLAN Mapping

IEEE 802.1Q Tunneling

IEEE 802.1Q VLAN Support

IEEE 802.1Q VLAN Trunking

IEEE 802.1s - Multiple Spanning Tree (MST) Standard Compliance

IEEE 802.1s VLAN Multiple Spanning Trees

IEEE 802.1t

IEEE 802.1W Spanning Tree Rapid Reconfiguration

IEEE 802.1x - VLAN Assignment

IEEE 802.1x Authenticator

IEEE 802.3ad Link Aggregation (LACP)

IEEE 802.3af PoE (Power over Ethernet)

IEEE 802.3x Flow Control

IGMP Fast Leave

IGMP Snooping

IGMP Snooping Querier

IGMP State Limit

IGMP v3 Snooping Enhancements

IGMP Version 1

IGMP Version 2

IGMP Version 3

IGMP Version 3 - Explicit Tracking of Hosts, Groups, and Channels

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IKE - Initiate Aggressive Mode

Integrated IS-IS Global Default Metric

Integrated IS-IS Point to Point Adjacency over Broadcast Media

Integrated IS-IS Protocol Shutdown Support Maintaining Configuration Parameters

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Internet Protocol Control Protocol (IPCP) address negotiation

Invalid Special Parameter Index (SPI) Recovery

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IP DSCP marking for Frame-Relay PVC

IP Enhanced IGRP Route Authentication

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IP Multilayer Switching (IP MLS)

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IP Precedence for GRE Tunnels

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IP Routing of RFC1483 ATM Bridge Encapsulation (RBE)

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IP SLAs - Distribution of Statistics

IP SLAs - DLSW+ Operation

IP SLAs - DNS Operation

IP SLAs - FTP Operation

IP SLAs - History Statistics

IP SLAs - HTTP Operation

IP SLAs - ICMP Echo Operation

IP SLAs - ICMP Path Echo Operation

IP SLAs - One Way Measurement

IP SLAs - Reaction Threshold

IP SLAs - Scheduler

IP SLAs - SNA LU2 Echo

IP SLAs - SNMP Support

IP SLAs - TCP Connect Operation

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IP to ATM CoS: per-VC WFQ and CBWFQ

IP Unnumbered for VLAN-SVI interfaces

IP-to-ATM CoS

IPSec Anti-Replay Window: Expanding and Disabling

IPSec Network Security

IPSec SA Idle Timers

IPSec VPN Accounting

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IPv6 Multicast: Bootstrap Router (BSR)

IPv6 Multicast: HW Assisted Egress Replication

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IPv6 Routing: RIP for IPv6 (RIPng)

IPv6 Routing: Route Redistribution

IPv6 Routing: Static Routing

IPv6 Security: Secure Shell SSH support over IPv6

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IPv6 Services: Cisco Discovery Protocol (CDP) - IPv6 Address Family Support for Neighbor Information

IPv6 Services: DNS Lookups over an IPv6 Transport

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IPv6 Switching: CEFv6 Switched Automatic IPv4-compatible Tunnels

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IPv6 Switching: CEFv6 Switched ISATAP Tunnels

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IPv6 Tunneling: Automatic IPv4-compatible Tunnels

IPv6 Tunneling: IPv6 over IPv4 GRE Tunnels

IPv6 Tunneling: ISATAP Tunnel Support

IPv6 Tunneling: Manually Configured IPv6 over IPv4 Tunnels

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IPX Access List Plain English Filters

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IPX Named Access Lists

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IS-IS HMAC-MD5 Authentication

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IS-IS Limit on Number of Redistributed Routes

IS-IS Mechanism to Exclude Connected IP Prefix from LSP Advertisements

IS-IS Multiarea Support

IS-IS Support for BFD over IPv4

IS-IS Support for IP Route Tags

IS-IS Support for Priority-Driven IP Prefix RIB Installation

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L2PT - Layer 2 Protocol Tunneling

L2PT - Layer 2 Protocol Tunneling on Trunk Ports

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Low Latency Queueing (LLQ) for Frame Relay

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MPLS Class of Service (CoS) Enhancements

MPLS Diff-Serv-Aware Traffic Engineering (DS-TE)

MPLS EM - MPLS TE MIB Trap Notifications

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MPLS LDP - Inbound Label Binding Filtering

MPLS LDP - Label Distribution Protocol (LDP)

MPLS LSP Ping/Traceroute and AToM VCCV

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MPLS Traffic Engineering (TE) - Automatic bandwidth adjustment for TE tunnels

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

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

MPLS Traffic Engineering (TE) - Interarea Tunnels

MPLS Traffic Engineering (TE) - IP Explicit Address Exclusion

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MPLS Traffic Engineering (TE) - Scalability Enhancements

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MPLS VPN - Inter-Autonomous System Support

MPLS VPN - Multi-Path support for Inter-AS VPNs

MPLS VPN - OSPF PE-CE Support

MPLS VPN Carrier Supporting Carrier

MPLS VPN Carrier Supporting Carrier - IPv4 BGP Label Distribution

MPLS VPN ID

MPLS VPN Inter-AS - IPv4 BGP Label Distribution

MPLS VPN support for EIGRP between Provider Edge (PE) and Customer Edge (CE)

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MS-CHAP Version 1

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Multi-Chassis Hunting for Voice over Frame Relay

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Multi-protocol BGP (MP-BGP) - MPLS VPN

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Multi-VRF Support (VRF lite)

Multicast BGP (MBGP)

Multicast Enhancement - Egress Replication Performance Improvement

Multicast Enhancement - Replication Mode Detection

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Multicast-VPN: Multicast Support for MPLS VPN

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NAT - Network Address Translation

NAT - Support for NetMeeting Directory (Internet Locator Service - ILS)

NAT - Support of H.323v2 Call Signaling (FastConnect)

NAT-Support of IP Phone to Cisco Call Manager

Native Client Interface Architecture (NCIA) Server

Native Service Point over DLSW+

NBAR - Network-based Application Recognition

NBAR Real-time Transport Protocol Payload Classification

NetBEUI over PPP (NBFCP)

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NetFlow - Bridged Flow Statistics

NetFlow Aggregation

Netflow Data Export (NDE) Version 8

Netflow Egress Accounting

NetFlow Export of BGP Nexthop Information

Netflow Multicast Support

Netflow Multiple Export Destinations

NetFlow Policy Routing (NPR)

NetFlow Subinterface Support

NetFlow ToS-Based Router Aggregation

NetFlow v9 Export Format

NetWare Asynchronous Services Interface (NASI)

NetWare Link-Services Protocol (NLSP)

Network Analysis Module (NAM)

Network Time Protocol (NTP)

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NSF - EIGRP

NSF - Graceful Restart (GR) and Non Stop Routing (NSR) for IS-IS

NSF - OSPF

NSF/SSO (Nonstop Forwarding with Stateful Switchover)

NSF/SSO - Multicast Multi-layer Switching (MMLS)

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OSPF Area Transit Capability

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OSPF Forwarding Address Suppression in Translated Type-5 LSAs

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OSPF Link-local Signaling (LLS) Per Interface Basis

OSPF MIB Support of RFC 1850 and Latest Extensions

OSPF Not-So-Stubby Areas (NSSA)

OSPF On Demand Circuit (RFC 1793)

OSPF Packet Pacing

OSPF Sham-Link Support for MPLS VPN

OSPF Shortest Paths First Throttling

OSPF Stub Router Advertisement

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OSPF Support for Fast Hellos

OSPF Support for Forwarding Adjacencies over MPLS Traffic Engineered Tunnels

OSPF Support for Link State Advertisement (LSA) Throttling

OSPF Support for Multi-VRF on CE Routers

OSPF Support for Unlimited Software VRFs per Provider Edge (PE) Router

OSPF Update Packet-Pacing Configurable Timers

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Per VLAN Load Balancing for Advanced QinQ Service Mapping

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RADIUS for Multiple User Datagram Protocol Ports

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RFC 1483 for Token Ring Networks

RFC-1483 Bridging

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SLB: Alternate IP Addresses

SLB: Automatic Server Failure Detection

SLB: Automatic Unfail

SLB: Backup Server Farms

SLB: Bind ID Support

SLB: Client NAT

SLB: Client-Assigned Load Balancing

SLB: Content Flow Monitor Support

SLB: Delayed Removal of TCP Connection Context

SLB: DFP Agent Subsystem Support

SLB: DNS Probes

SLB: Dynamic Feedback Protocol (DFP)

SLB: Enhanced Security

SLB: Firewall Loadbalancing

SLB: Global Loadbalancing feedback for Distributed Director

SLB: GPRS Load Balancing

SLB: Home Agent Loadbalancing

SLB: HTTP Probes

SLB: Interface-Aware

SLB: Maximum Connections

SLB: Multiple Firewall Farm Support

SLB: Multiple Radius Proxy Farms

SLB: Ping Probes

SLB: Port-Bound Servers

SLB: Protocol Support

SLB: RADIUS Load Balancing

SLB: RADIUS Load Balancing (RLB) IMSI Sticky Database

SLB: Radius Proxy Loadbalancing

SLB: Route Health Injection

SLB: Routed Probes

SLB: Server NAT

SLB: Slow Start

SLB: Stateful Backup

SLB: Stateless Backup

SLB: Static NAT

SLB: Sticky Connections

SLB: SynGuard

SLB: TCP Probes

SLB: TCP Session Reassignment

SLB: VPN Firewall Loadbalancing

SLB: VPN Server Load Balancing

SLB: WebCache Loadbalancing

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SNMP Manager

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SNMP Support for IOS vLAN Subinterfaces

SNMPv2C

SNMPv3 (SNMP Version 3)

Source Interface Selection for Outgoing Traffic with Certificate Authority (CA)

Source Specific Multicast (SSM)

Source Specific Multicast (SSM) - IGMPv3,IGMP v3lite, and URD

Source Specific Multicast (SSM) Mapping

SPAN Destination Port Permit List

Spanning Tree Protocol (STP)

Spanning Tree Protocol (STP) - Backbone Fast Convergence

Spanning Tree Protocol (STP) - Loop Guard

Spanning Tree Protocol (STP) - Portfast

Spanning Tree Protocol (STP) - PortFast BPDU Filtering

Spanning Tree Protocol (STP) - Portfast BPDU Guard

Spanning Tree Protocol (STP) - Portfast Support for Trunks

Spanning Tree Protocol (STP) - Root Guard

Spanning Tree Protocol (STP) - Uplink Fast Convergence

Spanning Tree Protocol (STP) - Uplink Load Balancing

Spanning Tree Protocol (STP) Extension

SRB - Source-Route bridging

SRB over Frame Relay

SRR (Shaped Round Robin)

SSO - ATM

SSO - Frame Relay

SSO - HDLC

SSO - Multilink PPP (MLP)

SSO - PPP

Standard IP Access List Logging

Standby Supervisor Port Usage

Sticky IP

Strict Priority Low Latency Queueing (LLQ)

Stub IP Multicast Routing

STUN (Serial Tunnel)

Sub Interface Features - Phase 1

Subinterface to EoMPLS VC Mapping

Subnetwork Bandwidth Manager (SBM)

Support for 4096 VLAN IDs

Switch Port Analyzer (SPAN)

Switched Multimegabit Data Service (SMDS)

Synchronous Data Link Control (SDLC)

Tacacs SENDAUTH function

Tacacs Single Connection

TACACS+

TCP Intercept

Time-Based Access Lists Using Time Ranges

TN3270

Token Ring ISL

Top-N Reports

Transparent Bridging

Triggered RIP

Trusted boundary (extended trust for CDP devices)

Trusted Root Certification Authority

Trustpoint CLI

Tunnel Type of Service (TOS)

Tunneling of Asynchronous Security Protocols

UDI - Unique Device Identifier

UDLR Tunnel ARP and IGMP Proxy

Uni-Directional Link Routing (UDLR)

Unicast Flood Blocking

Unicast Reverse Path Forwarding (uRPF)

UniDirectional Link Detection (UDLD)

UniDirectional Link Detection (UDLD) - enhancements

User based (SA or DA) QoS

User Maximum Links

Using 31-bit Prefixes on IPv4 Point-to-Point Links

VACL for WAN interfaces/hidden VLANs

VACL Logging of access denied

Vendor-Specific RADIUS Attributes

Verify Certificate Chain Command

Virtual Interface Template Service

Virtual Private LAN Services (VPLS)

Virtual Profile CEF Switched

Virtual Profiles

Virtual Router Redundancy Protocol (VRRP)

Virtual Templates for Protocol Translation

Virtual Trunking Protocol (VTP) - Pruning

VLAN 1 disable on trunks

VLAN Access Control List (VACL)

VLAN MAC Address Filtering

VLAN Translation

VLANs over IP Unnumbered Sub-Interfaces

Voice over Frame Relay (FRF.11)

Voice Over IP (VoIP)

Voice Over IP (VoIP) - configuration of voice daughtercard

VPNSM Blade-to-Blade Stateful Fail-Over

VPNSM GRE Acceleration

VPNSM Multiple Blade Support

VPNSM QoS Support

VRF aware IPsec

VTP (Virtual Trunking Protocol) Version 2

WCCP Layer 2 PFC Redirection

WCCP Redirection on Inbound Interfaces

WCCP Version 1

WCCP Version 2

Weighted Fair Queueing (WFQ)

Weighted RED (WRED)

Some features are dependent on product model, interface modules (i.e. Line Cards & Port Adapters), and/or require a software feature license. Click here for more information.

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Cisco Feature Navigator

Feature Details

Feature	Description
256+ VLANS	256+ VLAN feature allows the ability for the router to route between more than 256 VLAN interfaces - this feature requires the MSFC2. The routed VLAN interfaces can be chosen from any of the VLANs supported on the switch. Catalyst switches can support up to 4096 VLANs, up to any 1000 can now be selected (for MSFC2). Previously upper limit was VLAN number 1005. If using the MSFC, up to 256 VLANs can be routed, but again can be selected from any VLANs supported on the unit.