



# What's New in Cisco Product Documentation

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## November 2008

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# Application Networking Services

## New Documents

- [Cisco GSS Administration Guide \(Software Version 3.0\)](#)

Describes how to properly manage and maintain the Cisco Global Site Selector Manager (GSSM) and GSS devices, including login security, GSS software upgrades, GSSM database administration, and log files.



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- [Cisco GSS CLI-Based Global Server Load-Balancing Configuration Guide \(Software Version 3.0\)](#)  
Describes how to use the Cisco Global Site Selector (GSS) command-line interface (CLI) to configure the GSS to perform global server load balancing.
- [Cisco GSS Command Reference \(Software Version 3.0\)](#)  
Provides an overview on the command-line interface (CLI) for the Cisco Global Site Selector (GSS) and describes the CLI commands, including syntax, options, and related commands.
- [Cisco GSS Getting Started Guide \(Software Version 3.0\)](#)  
Describes how to perform the initial setup and configuration tasks of the Cisco Global Site Selector (GSS) devices in your GSS network.
- [Cisco GSS GUI-Based Global Server Load-Balancing Configuration Guide \(Software Version 3.0\)](#)  
Describes how to configure the Cisco Global Site Selector (GSS) platform from the primary GSSM GUI to perform global server load balancing.
- [Release Note for the Cisco Global Site Selector, Release 3.0\(x\)](#)  
Describes the new features, resolved caveats, open caveats, command changes, and GUI changes for software version 3.0(1).

## Cisco Interfaces and Modules

### New Documents

- [Cisco Application eXtension Platform Feature History](#)  
Lists new features added in the latest release.

### Revised Documents

- [Cisco Application eXtension Platform Developer Guide](#)  
Describes how to install the Cisco AXP SDK and develop software on the application service module.
- [Cisco Application eXtension Platform User Guide](#)  
Describes how to install and configure Cisco AXP software on the application service module.

## Cisco IOS Software

### New Documents

- [L2TP HA Session SSO/ISSU on a LAC/LNS](#)  
Provides a generic stateful switchover/In Service Software Upgrade (SSO/ISSU) mechanism for Layer 2 Tunneling Protocol (L2TP) on a Layer 2 access concentrator (LAC) and a Layer 2 network server (LNS).
- [MPLS VPN—L3VPN over GRE](#)  
Provides a mechanism for tunneling Multiprotocol Label Switching (MPLS) packets over a non-MPLS network.

## Revised Documents

- [\*Bidirectional PIM\*](#)  
Describes bidirectional protocol independent multicast (bidir-PIM).
- [\*Class-Based Marking\*](#)  
Provides a user-friendly command-line interface (CLI) for efficient packet marking by which you can differentiate packets based on the designated markings.
- [\*Class-Based Weighted Fair Queueing \(CBWFQ\)\*](#)  
Describes various types of weighted fair queueing (WFQ), including flow-based, distributed, and class-based.
- [\*Cisco IOS Command References\*](#)  
Provides detailed information on platform-independent Cisco IOS commands; specifically, on command syntax, defaults, command modes, command history, usage guidelines, and examples.
- [\*Cisco IOS Configuration Guides\*](#)  
Contains Cisco IOS features that are shared across releases and platforms and grouped by technology areas.
- [\*Cisco IOS ISG RADIUS CoA Interface Guide, Release 12.2 SB\*](#)  
Enables Intelligent Service Gateway (ISG) to receive ASCII command codes for account login, account logout, service login, service logout, and account status queries and to perform the required functionality based on the command code.
- [\*Cisco SSG-to-ISG DSL Broadband Migration Guide\*](#)  
Describes Cisco's proprietary protocol to communicate with the Cisco Subscriber Edge Services Manager (SESM) and other components to provide a subscriber edge services solution.
- [\*Configuring ISG as a RADIUS Proxy\*](#)  
Enables Intelligent Service Gateway (ISG) to serve as a proxy between a client device that uses RADIUS authentication and an authentication, authorization, and accounting (AAA) server.
- [\*Configuring Multihop VPDN\*](#)  
Describes virtual private dialup networking (VPDN), which is a specialized VPDN configuration that allows packets to pass through multiple tunnels.
- [\*Control Plane Policing\*](#)  
Allows you to configure a quality of service (QoS) filter that manages the traffic flow of control plane packets to protect the control plane of Cisco IOS routers and switches against reconnaissance and denial-of-service (DoS) attacks.
- [\*Enabling Policy-Based Routing\*](#)  
Introduces a more flexible mechanism for routing packets than destination routing.
- [\*GRE Tunnel IP Source and Destination VRF Membership\*](#)  
Allows you to configure the source and destination of a tunnel to belong to any Virtual Private Network (VPN) routing and forwarding (VRF) table.
- [\*HSRP for IPv6 Overview\*](#)  
Allows for transparent failover of the first-hop IP router.

- *IP SLAs—LSP Health Monitor*  
Provides the capability to monitor Layer 3 Multiprotocol Label Switching (MPLS) Virtual Private Networks (VPNs).
- *IP SLAs—LSP Health Monitor with LSP Discovery*  
Describes the label switched path (LSP) discovery capability.
- *IP SLAs—MPLS VPN Awareness*  
Provides the capability to monitor IP service levels within Multiprotocol Label Switching (MPLS) Virtual Private Networks (VPNs).
- *IPv6 QoS: MQC Packet Classification*  
Allows you to define traffic classes, create and configure traffic policies (policy maps), and then attach those traffic policies to interfaces.
- *IPv6 Routing—EIGRP Support*  
Describes how to configure Enhanced Interior Gateway Routing Protocol (EIGRP) to route IPv6 prefixes.
- *ISG: Accounting: Per Session, Service, and Flow*  
Uses the RADIUS protocol to facilitate interaction between Intelligent Service Gateway (ISG) and an external RADIUS-based authentication, authorization, and accounting (AAA) or mediation server.
- *ISG: Accounting: Postpaid*  
Sends accounting start and stop records for sessions and services to an accounting server for postpaid billing.
- *ISG: Accounting: Tariff Switching*  
Allows changes in tariffs during the lifetime of a connection.
- *ISG: Authentication: DHCP Option 82 Line ID--AAA Authorization Support*  
Enhances Intelligent Service Gateway (ISG) automatic subscriber login by providing support for authorization on the basis of the circuit ID and remote ID.
- *ISG: Flow Control: Flow Redirect (L4, Captive Portal)*  
Redirects specified packets to servers that handle the packets in a specified manner.
- *ISG: Flow Control: QoS Control: MQC Support for IP Sessions*  
Provides modular quality of service (QoS) command-line interface (CLI) provisioning on Cisco Intelligent Service Gateway (ISG) IP sessions.
- *ISG: Instrumentation: Advanced Conditional Debugging*  
Generates specific and relevant information that can be used for session, flow, subscriber, and service diagnostics.
- *ISG: Instrumentation: Session and Flow Monitoring (Local and External)*  
Provides a mechanism for continuously monitoring interface and CPU statistics.
- *ISG: Network Interface: IP Routed, VRF-Aware MPLS*  
Adds support for routed and Multiprotocol Label Switching (MPLS) networks.
- *ISG: Network Interface: Tunneled (L2TP)*  
Adds support for multiple interface types, including tunneled interfaces, to connect sessions to networks.

- *ISG: Policy Control: Cisco Policy Language*  
Allows configurable functionality to be expressed in terms of an event, a condition, and an action.
- *ISG: Policy Control: DHCP Proxy*  
Enables Intelligent Service Gateway (ISG) to interact dynamically with the Dynamic Host Configuration Protocol (DHCP) and apply policies that influence the IP addresses that DHCP assigns subscribers.
- *ISG: Policy Control: ISG-SCE Control Bus*  
Describes how to configure Intelligent Service Gateway (ISG) and Cisco Service Control Engine (SCE) to function as a single policy enforcement point for subscriber sessions.
- *ISG: Policy Control: Multidimensional Identity per Session*  
Describes how to use control policies as a flexible way to collect pieces of subscriber identity information during session establishment.
- *ISG: Policy Control: Policy: Domain Based (Auto Domain, Proxy)*  
Describes control policies that you can configure to interpret a domain as a request to activate the service associated with that domain name, allowing users to receive services automatically in accordance with the domain to which they are attempting to connect.
- *ISG: Policy Control: Policy Server: CoA (QoS, L4 Redirect, User ACL, TimeOut)*  
Provides Intelligent Service Gateway (ISG) support for the RADIUS change of authorization (CoA) extension, which facilitates dynamic authorization.
- *ISG: Policy Control: Policy: Triggers (Time, Volume, Duration)*  
Explains how to configure control policies with time-based, volume-based, and duration-based policy triggers.
- *ISG: Policy Control: Service Profiles*  
Describes a collection of policy definitions to define a service.
- *ISG: Policy Control: User Profiles*  
Specifies services and functionality that should be applied to Intelligent Service Gateway (ISG) sessions for the specified subscriber.
- *ISG: Session: Authentication (MAC, IP, EAP)*  
Enables an IP address or MAC address to be used in place of the username in authorization requests.
- *ISG: Session: Authentication: Single Sign-on*  
Eliminates the need to authenticate a session more than once when a subscriber has access to services provided by other devices in the administrative domain of the access or service provider.
- *ISG: Session: Creation: IP Session: Protocol Event (DHCP, RADIUS)*  
Configures Intelligent Service Gateway (ISG) to create an IP session upon receipt of the first Dynamic Host Configuration Protocol (DHCP) DISCOVER packet received from a subscriber.
- *ISG: Session: Creation: IP Session: Subnet and Source IP: L2*  
Describes IP subnet and source-IP-based sessions for Layer 2.
- *ISG: Session: Creation: IP Session: Subnet and Source IP: L3*  
Describes IP subnet and source-IP-based sessions for Layer 3.

- *ISG: Session: Creation: P2P Session (PPPoE, PPPoXoX)*  
Describes point-to-point (P2P) sessions, which are established through a signaling protocol handled by Intelligent Service Gateway (ISG).
- *ISG: Session: Lifecycle: Idle Timeout*  
Controls how long a connection can be idle before it is terminated.
- *ISG: Session: Lifecycle: Packet of Disconnect (POD)*  
Describes how to configure an Intelligent Service Gateway (ISG) policy server to use RADIUS Packet of Disconnect (POD) to manage the life cycle of any ISG session.
- *ISG: Session Protection and Resiliency: Keepalive—ARP, ICMP*  
Introduces IP subscriber session keepalive support for monitoring session data traffic in the upstream direction for idleness using Address Resolution Protocol (ARP) for Layer 2 connected subscribers and Internet Control Message Protocol (ICMP) for Layer 3 connected subscribers.
- *ISG: Session: VRF Transfer*  
Provides a means to switch an active session between virtual routing domains dynamically.
- *MPLS LDP—VRF-Aware Static Labels*  
Allows Multiprotocol Label Switching (MPLS) static labels to be used for Virtual Private Network (VPN) routing and forwarding (VRF) traffic.
- *MPLS VPN: VRF Selection Using Policy-Based Routing*  
Introduces a policy-based routing (PBR) mechanism to classify and forward Virtual Private Network (VPN) traffic based on multiple VPN routing and forwarding (VRF) selection match criteria.
- *Multi-VRF Selection Using Policy-Based Routing*  
Allows a specified interface on a provider edge (PE) router to route packets to Virtual Private Networks (VPNs) based on packet length or match criteria defined in an IP access list.
- *Packet Classification Based on Layer 3 Packet-Length*  
Adds the capability of matching and classifying traffic on the basis of the Layer 3 packet length in the IP header.
- *PBR Recursive Next Hop*  
Enhances route maps to enable configuration of a recursive next-hop IP address that is used by policy-based routing (PBR).
- *PBR Support for Multiple Tracking Options*  
Extends the capabilities of object tracking using Cisco Discovery Protocol (CDP) to allow the policy-based routing (PBR) process to verify object availability by using additional methods.
- *Policy-Based Routing Default Next-Hop Route*  
Introduces the ability for packets that are forwarded as a result of the **set ip default next-hop** command to be switched at the hardware level.
- *Policy Routing Infrastructure*  
Provides full support of IP policy-based routing in conjunction with Cisco Express Forwarding and NetFlow.
- *PPPoE—QinQ Support*  
Preserves VLAN IDs and keeps traffic in different customer VLANs segregated when used on the subinterface level.

- [\*QoS-Hierarchical Queuing for Ethernet DSLAMs\*](#)  
Describes how to configure quality of service (QoS) hierarchical queuing policy maps on sessions and subinterfaces in Ethernet Digital Subscriber Line Access Multiplexer (E-DSLAM) applications on a Cisco 10000 series router.
- [\*RADIUS Route Download\*](#)  
Allows you to configure your network access server (NAS) to direct RADIUS authorization.
- [\*Service Gateway Interface\*](#)  
Implements a web services interface to access the policy, subscriber, and session management functionality of the Intelligent Service Gateway (ISG).
- [\*VRF-Aware System Message Logging \(Syslog\)\*](#)  
Allows a router to send system logging (syslog) messages to a syslog server host connected through a Virtual Private Network (VPN) routing and forwarding (VRF) interface.
- [\*VRF-Aware VPDN Tunnels\*](#)  
Provides support for virtual private dialup network (VPDN) tunnels that terminate on a Virtual Private Network (VPN) routing and forwarding (VRF) instance.
- [\*WCCP Layer 2 Redirection/Forwarding\*](#)  
Allows directly connected Cisco content engines to use Layer 2 redirection, which is more efficient than Layer 3 redirection via Generic Routing Encapsulation (GRE).
- [\*WCCP Mask Assignment\*](#)  
Introduces support for Application and Content Networking System/Wide Area Application Services (ACNS/WAAS) devices using mask assignment as a cache engine assignment method.
- [\*WCCP Redirection on Inbound Interfaces\*](#)  
Enables interfaces to be configured for input redirection for a particular Web Cache Communication Protocol (WCCP) service.
- [\*WCCP Version 2\*](#)  
Provides several enhancements to and features for the Web Cache Communication Protocol (WCCP).

## Cisco NX-OS

### Revised Documents

- [\*Cisco NX-OS Release Notes, Release 4.0\*](#)  
Provides the release notes for Cisco NX-OS software Release 4.0.4.

## Interoperability Systems

None at this time.

# Network Management

## Revised Documents

- [Cisco DCNM Release Notes, Release 4.0](#)  
Provides the release notes for Cisco DCNM software Release 4.0(4).
- [Getting Started Guide for Cisco Configuration Assistant 1.8](#)  
Describes the setup of the Cisco Smart Business Communication System to operate in the Cisco Configuration Assistant 1.8 environment.
- [Release Notes for Cisco Configuration Assistant 1.0 and Later](#)  
Describes the new features and caveats of Cisco Configuration Assistant 1.8.

# Optical Networking

The terms “Unidirectional Path Switched Ring” and “UPSR” may appear in Cisco literature. These terms do not refer to using Cisco ONS 15xxx products in a unidirectional path switched ring configuration. Rather, these terms, and “Path Protected Mesh Network” and “PPMN,” refer generally to Cisco’s path protection feature, which may be used in any topological network configuration. Cisco does not recommend using its path protection feature in any particular topological network configuration.

# Routers

## New Documents

- [Cisco 7600-ES20 Ethernet Line Card Configuration Guide](#)  
Allows a gigaport to transmit or receive traffic unidirectionally using one strand of fiber instead of using two strands of fiber for a full-duplex gigaport Ethernet port.

## Revised Documents

- [Cisco ASR 1000 Series Aggregation Services Routers Hardware Installation and Initial Configuration Guide](#)  
Describes the next generation of midrange router products.
- [Cisco ASR 1000 Series Aggregation Services Routers SIP and SPA Hardware Installation Guide](#)  
Describes a carrier card and port adapter architecture that increases modularity, flexibility, and density across Cisco routers for network connectivity.
- [Configuring the Cisco 7600 Series Ethernet Services 20G Line Card](#)  
Enables shaping support in the class-default class of a policy map configured on the main interface of the Cisco 7600 series ethernet services 20G (ES20) line card.

# Security

## New Documents

- [Cisco NAC Appliance—Clean Access Manager Installation and Configuration Guide, Release 4.5](#)  
Describes installation and configuration of the Clean Access Manager via the CAM web console for Cisco NAC Appliance, Release 4.5.
- [Cisco NAC Appliance—Clean Access Server Installation and Configuration Guide, Release 4.5](#)  
Describes installation and configuration of the Clean Access Server (including Failover, DHCP, AD SSO, and VPN concentrator integration) for Cisco NAC Appliance, Release 4.5.
- [Release Notes for Cisco NAC Appliance, Release 4.5](#)  
Provides late-breaking and cumulative release, upgrade, and installation information for Release 4.5.
- [Support Information for Cisco NAC Appliance Agents, Release 4.5](#)  
Provides support and compatibility information (OS, browser, Java) for Cisco NAC Appliance Agents, Release 4.5 and later.

## Revised Documents

- [AAA Broadcast Accounting](#)  
Allows the services that you are accessing and the amount of network resources that you are consuming to be tracked.
- [Cisco NAC Appliance Hardware Installation Quick Start Guide, Release 4.5](#)  
Describes hardware specifications and initial configuration for Cisco NAC 3300 series appliances.
- [Flexible Packet Matching](#)  
Enables you to match on arbitrary bits of a packet at an arbitrary depth in the packet header and payload.
- [Getting Started with Cisco NAC Network Modules in Cisco Access Routers](#)  
Describes initial configuration and deployment information for the Cisco NAC Network Module (NME-NAC-K9) for Integrated Services Routers.
- [Granular Protocol Inspection](#)  
Adds flexibility to the Cisco IOS Firewall by allowing it to perform a higher degree of inspection of TCP and User Data Protocol (UDP) traffic for most RFC 1700 application types.
- [Supported Hardware and System Requirements for Cisco NAC Appliance \(Cisco Clean Access\)](#)  
Provides a hardware support list and system requirements for the Clean Access Manager, Server, and Agent.
- [Switch Support for Cisco NAC Appliance](#)  
Provides Cisco NAC Appliance Out-of-Band (OOB) switch support information.

# Server Networking and Virtualization

None at this time.

## Service Exchange

None at this time.

## Storage Networking

None at this time.

## Switches

None at this time.

## TelePresence

None at this time.

## Universal Gateways and Access Servers

None at this time.

## Video, Cable, and Content Delivery

### New Documents

- [Release Notes for Cisco Broadband Access Center 4.0.1](#)  
Describes new features, system requirements, and software fixes for the Broadband Access Center product. Cisco Broadband Access Center release notes are available at the following URL:  
[http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod\\_release\\_notes\\_list.html](http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_release_notes_list.html)

## Voice and Unified Communications

### New Documents

- [Cisco Unified Application Environment Application Developer Getting Started Guide](#)  
Introduces developers to the Cisco Unified Application Environment and provides step-by-step instructions for creating a simple telephony application to build developer familiarity with the tool sets.
- [Installation Guide for Click to Call Release 7.0](#)  
Provides procedures for installing and configuring Click to Call.

- [Licensing Information for Click to Call](#)  
Contains licensing information and acknowledgments of copyright for Click to Call.
- [Quick Start Guide for Click to Call Release 7.0](#)  
Describes information about using Click to Call.
- [Release Notes for Click to Call 7.x](#)  
Describes system requirements, new features, changed information, documentation updates, and open caveats for Click to Call Release 7.0.
- [Release Notes for the Cisco Unified Application Environment \(2.5.1\)](#)  
Describes the new features and caveats for the Cisco Unified Application Environment, Release 2.5.1.
- [Virtual Route Forwarding](#)  
Divides a physical router into multiple logical routers, each having its own set of interfaces and routing and forwarding tables.

## Revised Documents

- [Administration Guide for the Cisco Unified Application Environment \(2.5.1\)](#)  
Explains how to administer and maintain the Cisco Unified Application Environment using the Cisco Unified Application Environment Administration and related tools.
- [Cisco Unified Application Environment Hardware Compatibility Matrix, Release 2.5.1](#)  
Describes hardware compatibility requirements for installing Cisco Unified Application Environment hardware.
- [Cisco Unified Application Environment Software Compatibility Matrix, Release 2.5.1](#)  
Describes software compatibility requirements for installing Cisco Unified Application Environment software.
- [Cisco Unified Communications SRND Based on Cisco Unified Communications Manager 6.x](#)  
Provides design considerations and guidelines for deploying Cisco Unified Communications solutions based on Cisco Unified Communications Manager 6.x releases.
- [Configuring Localization Support—Cisco Unified CME Administrator Guide](#)  
Provides information and tasks for configuring Cisco Unified Communications Manager Express 7.0(1) Localization Configuration Enhancements.
- [Installation Guide for the Cisco Unified Application Environment \(2.5.1\)](#)  
Provides step-by-step instructions for installing the Cisco Unified Application Environment.
- [SCCP Analog Phone for Cisco Unified CME Quick Reference](#)  
Lists the default feature codes for accessing SCCP features on analog phones connected to a voice gateway under the control of Cisco Unified Communications Manager Express.
- [SCCP Analog Phone for Cisco Unified Communications Manager Quick Reference](#)  
Lists the default feature codes for accessing SCCP features on analog phones connected to a voice gateway under the control of Cisco Unified Communications Manager.
- [Upgrade Guide for the Cisco Unified Application Environment \(2.5.1\)](#)  
Provides step-by-step instructions for upgrading from earlier versions of Cisco Unified Application Environment to release 2.5.1.

# Wireless

None at this time.

## Support from Cisco

Select from Cisco support opportunities at:

<http://www.cisco.com/en/US/support/index.html>

Uses for this website include:

- Obtaining technical assistance
- Downloading software
- Reporting security vulnerabilities or obtaining assistance with security involving Cisco products
- Accessing tools and resources
  - Sign up for product alerts
  - Register for field notices
  - Search for known issues using the Bug Toolkit
- Participating in technology discussions with the Networking Professionals (NetPro) community
- Accessing training resources
- Interactively identifying and troubleshooting common hardware, configuration, and performance issues using the TAC Case Collection tool

## Submitting a Service Request

Open a service request online at:

<http://www.cisco.com/techsupport/servicerequest>

View a list of Cisco worldwide contacts at:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

## Obtaining Additional Information

Information about Cisco products, services, technologies, and networking solutions is available from various online sources.

- Sign up for Cisco e-mail newsletters and other communications at the Cisco Subscription Center at:  
<http://www.cisco.com/offer/subscribe>

- The Cisco Support website provides online resources, including documentation and tools for resolving technical issues with Cisco products. To receive security and technical information about your products, you can subscribe to the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.  
<http://www.cisco.com/techsupport>
- Order the Cisco Product Quick Reference Guide, a portable, easy to use reference tool that provides an overview of Cisco products and solutions for every part of your business. Go to:  
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<http://www.cisco.com/go/marketplace/>
- Obtain general networking, training, and certification titles from Cisco Press publishers at:  
<http://www.ciscopress.com>
- Read the Internet Protocol Journal, a quarterly journal published by Cisco for engineering professionals who design, develop, and operate internets and intranets. Go to:  
<http://www.cisco.com/ipj>
- *What's New in Cisco Product Documentation* (this document) is an online publication that provides information about the latest documentation releases for Cisco products. Updated monthly, this online publication is organized by product category:  
<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>
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