



What's New in Cisco Product Documentation

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Application Networking Services

New Documents

- [Cisco Wide Area Virtualization Engine 274 and 474 Hardware Installation Guide](#)
Describes how to install and maintain the WAVE-274 and WAVE-474 products.
- [Cisco Wide Area Virtualization Engine 574 Hardware Installation Guide](#)
Describes how to install and maintain the WAVE-574 product.



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Revised Documents

- [Release Note for Cisco Wide Area Application Services \(Software Version 4.1.1x\)](#)

4.1.1x. Updated to include WAAS 4.1.1c.

Cisco Interfaces and Modules

None at this time.

Cisco IOS Software

New Documents

- [Bandwidth Remaining Ratio Support for ES20 Line Cards](#)
Enables support for bandwidth remaining ratio, which means unused bandwidth can be shared across logical interfaces.
- [Custom Ethertype for EVC Interfaces](#)
Enables you to configure the ethertype with the outer tag for .1Q and QinQ packets.
- [DHCP Relay Option 82 Encapsulation](#)
Allows a second Dynamic Host Configuration Protocol (DHCP) relay agent to encapsulate the relay agent information option (option 82) from a prior relay agent, add its own option 82, and forward the packet to the DHCP server.
- [Dual Rate Three-Color Ingress Policer on Service Instances](#)
Allows you to configure dual rates policing with three actions that can be specified (conform, exceed, and violate) on the ingress of service instances.
- [Flexible NetFlow—IPv4 Multicast Statistics Support](#)
Adds the capability of reporting the number of replicated bytes and the number of replicated packets in multicast flows to Flexible NetFlow.
- [Flexible NetFlow—Layer 2 Fields](#)
Enables collecting statistics for Layer 2 fields such as MAC addresses and virtual LAN (VLAN) IDs from traffic.
- [Flexible NetFlow—NetFlow V5 Export Protocol](#)
Enables sending packets using the version 5 export protocol.
- [Flexible NetFlow—Top N Talkers Support](#)
Enables a user to analyze the large amount of data Flexible NetFlow captures from the traffic in a network by providing the ability to filter, aggregate, and sort the data in the Flexible NetFlow cache as it is displayed.

- *ISG: Authentication: DHCP Option 60 and Option 82 with VPN-ID Support for Transparent Automatic Logon*
Enables service providers to provision triple-play services to households by supporting transparent automatic logon (TAL) through Dynamic Host Configuration Protocol (DHCP) option 60 and option 82, and wholesale IP sessions through virtual private network (VPN) ID extension to option 82.
- *ISSU Support in 802.3ah OAM*
Allows software to be upgraded or downgraded without disrupting packet flow in IEEE 802.3ah, a collection of protocols relating to Ethernet.
- *ISSU Support in CFM 802.1ag/1.0d*
Allows you to perform a Cisco IOS software upgrade or downgrade without disrupting packet flow in a network in which Connectivity Fault Management (CFM) is configured.
- *ISSU Support in E-LMI*
Allows you to perform a Cisco IOS software upgrade or downgrade without disrupting packet flow in a network in which Ethernet Local Management Interface (LMI) is configured.
- *ITU-Y.1731 Fault Management Functions*
Provides new functions for fault and performance management to serve the needs of service providers in large networks.
- *L2 Classification on Default EVC*
Enables quality of service (QoS) support for classification, marking, policing, and shaping on Ethernet virtual circuits (EVCs) with encapsulation default.
- *MST on EVC Bridge-Domain*
Enables Multiple Spanning Tree (MST) on Ethernet virtual circuit (EVC) interfaces.
- *NSF/SSO Support in CFM 802.1ag/1.0d*
Allows Connectivity Fault Management (CFM) processes that support dual route processors in active/standby mode to continue forwarding packets following a switchover.
- *NSF/SSO Support in E-LMI*
Allows processes that support dual route processors in active and standby modes to continue forwarding packets following a switchover in a network in which Ethernet Local Management Interface (LMI) is configured.
- *Port Mode Cell Relay Support on Cisco 7600/SIP*
Allows traffic from a port to be relayed across a Multiprotocol Label Switching (MPLS) network.
- *QoS—HQF Multiple Policy Support*
Enables you to configure queuing service policies at the tunnel (logical) interface level and at the physical (virtual) interface level simultaneously by using the modular quality of service (QoS) command-line interface (CLI) (MQC).

Revised Documents

- *32K EVC Scale*
Increases the scalability of the Ethernet virtual circuit (EVC) infrastructure to 32K on the Cisco 7600 Ethernet Services 20G (ES20) line card.

- [Cisco IOS Command References](#)
Provide 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](#)
Contain Cisco IOS features that are shared across releases and platforms and grouped by technology areas.
- [CISCO-NETFLOW-MIB](#)
Provides MIB objects to allow you to configure NetFlow and to monitor flow cache information, the current NetFlow configuration, and statistics.
- [EVC on Port Channel](#)
Extends port channels to Ethernet virtual circuit (EVC) interfaces.
- [Flexible NetFlow—MPLS Egress NetFlow](#)
Allows NetFlow statistics to be gathered on traffic that is exiting the router.
- [IP SLAs Metro-Ethernet 2.0 \(EVC\)](#)
Introduces support for Ethernet virtual circuits (EVCs).
- [L2TPv3: Layer 2 Tunnel Protocol Version 3](#)
Expands on Cisco support of the Layer 2 Tunnel Protocol Version 3 (L2TPv3), which is an Internet Engineering Task Force (IETF) l2tpext working group draft that provides several enhancements to L2TP for the capability to tunnel any Layer 2 payload over L2TP.
- [L2VPN Interworking](#)
Allows disparate attachment circuits to be connected.
- [LACP Support for EVC Port Channel](#)
Supports service instances over bundled Ethernet links.
- [Storm Control on Switchports and Ports Having EVCs](#)
Implements a mechanism to detect and control a broadcast/multicast congestion/storm scenario via a rate control mechanism in Ethernet services (ES) line cards.

Cisco NX-OS

None at this time.

Interoperability Systems

None at this time.

Network Management

New Documents

- [*Application Performance Assurance Network Module*](#)
Enables enterprises to accommodate more network traffic while capitalizing on their existing infrastructure.
- [*Cisco Configuration Engine Administration Guide*](#)
Provides instructions for administering the Cisco Configuration Engine 3.0 software.
- [*Cisco Configuration Engine Installation and Configuration Guide, 3.0*](#)
Provides procedures for installing and configuring Cisco Configuration Engine 3.0.
- [*Documentation Guide for Cisco Unified Operations Manager 2.1*](#)
Describes the product documentation set for Cisco Unified Operations Manager 2.1.
- [*Documentation Guide for Cisco Unified Service Monitor 2.1*](#)
Lists product documentation.
- [*Documentation Guide for Cisco Unified Service Statistics Manager 1.1*](#)
Lists product documentation.
- [*Installation Guide for the Cisco Application Networking Manager 2.0*](#)
Describes installation and upgrade procedures for the new release of Cisco Application Networking Manager, version 2.0.
- [*Quick Start Guide for Cisco 1040 Sensor*](#)
Provides technical specifications, regulatory compliance and safety information, and installation instructions.
- [*Quick Start Guide for Cisco Unified Service Monitor 2.1*](#)
Provides server and client requirements, installation and upgrade instructions, and postinstallation and -upgrade configuration steps.
- [*Quick Start Guide for Cisco Unified Service Statistics Manager 1.1*](#)
Provides server and client requirements, installation and upgrade instructions, and postinstallation and -upgrade configuration steps.
- [*Release Notes for Cisco Configuration Engine 3.0*](#)
Describes the system requirements, limitations, and caveats for Cisco Configuration Engine 3.0.
- [*Release Notes for Cisco Unified Service Monitor 2.1*](#)
Provides supported software versions and lists new features and bug IDs and workarounds.
- [*Release Notes for Cisco Unified Service Statistics Manager 1.1*](#)
Lists new features and bug IDs and workarounds.
- [*Release Notes for the Guide for the Cisco Application Networking Manager 2.0*](#)
Describes new and updated features and caveats for the new release of Cisco Application Networking Manager, version 2.0.

- [Supported Devices Table for the Cisco Application Networking Manager 2.0](#)
Lists Cisco devices supported by the new release of Cisco Application Networking Manager, version 2.0.
- [Troubleshooting Guide for Cisco Configuration Engine](#)
Provides troubleshooting information for Cisco Configuration Engine.
- [User Guide for Cisco Unified Service Monitor 2.1](#)
Explains how to use and understand reports and provides end-user and administrator procedures.
- [User Guide for Cisco Unified Service Statistics Manager 1.1](#)
Explains how to use and understand reports and provides end-user and administrator procedures.
- [User Guide for the Cisco Application Networking Manager 2.0](#)
Describes new and updated features, including detailed procedures for the new release of Cisco Application Networking Manager, version 2.0.

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.

New Documents

- [CWDM SFP Support](#)
Introduces support for coarse wavelength division multiplexing (CWDM) small form-factor pluggable (SFP) optical transceivers on Cisco 7600-400/600-1GE line cards.
- [DWDM SFP Support](#)
Introduces support for dense wavelength division multiplexing (DWDM) small form-factor pluggable (SFP) optical transceivers on Cisco 7600-400/600-1GE line cards.
- [DWDM XFP Support](#)
Introduces support for dense wavelength division multiplexing (DWDM) 10 Gigabit small form-factor pluggable (XFP) optical transceivers on Cisco 7600-SIP400/600-10GE line cards.

Routers

New Documents

- [Asymmetric Carrier-Delay](#)
Provides the ability to control the delay separately for interface up and interface down state notifications.
- [New Line Cards](#)
Introduces support for several Ethernet services (ES) line cards.

- [*SFP-GE-T on ES40 Line Card*](#)
Describes a small form-factor pluggable (SFP) optical transceiver module supported on the Cisco 7600 Series Ethernet Services (ES) 40G line card.
- [*Unidirectional Link Detection on Ports with EVCs*](#)
Describes how the feature interacts with Layer 1 protocols to determine the physical status of a link.
- [*XFP-10GER-OC192LR=Version 2 XFP Support*](#)
Introduces support for small form-factor pluggable (SFP or XFP) optical transceivers that provide network connectivity.
- [*XFP-10GZR-OC192LR=XFP Support*](#)
Introduces support for small form-factor pluggable (SFP or XFP) optical transceivers that provide network connectivity.

Revised Documents

- [*Cisco 860 Series and Cisco 880 Series Integrated Services Routers Hardware Installation Guide*](#)
Describes how to install and connect the Cisco 860 series and Cisco 880 series ISRs and includes updated information for installing and connecting the 3G card and antenna.

Security

New Documents

- [*AAA Broadcast Accounting—Mandatory Response Support*](#)
Provides a mechanism to support broadcast accounting under each server group through a Gateway GPRS Support Node (GGSN), which acts as a gateway between a General Packet Radio Service (GPRS) wireless data network and other networks such as the Internet or private networks.
- [*Access Control List Syslog Correlation*](#)
Appends a tag (either a user-defined cookie or a router-generated MD5 hash value) to access control entry (ACE) syslog entries.
- [*Cisco IOS Firewall Support for TRP—Phase 1*](#)
Enables the Cisco IOS Firewall feature to process Simple Traversal of User Datagram Protocol (STUN) messages, which open pinholes for secondary channels that are necessary for implementation of trust relay points (TRPs) in voice networks.
- [*Cisco NAC Guest Server Installation and Configuration Guide, Release 2.0*](#)
Describes how to install the Cisco NAC Guest Server appliance via CLI and to configure guest access through the Guest Server's web-based interface for release 2.0.
- [*DHCP Snooping with Option 82 on EVC*](#)
Enables a subscriber device to be identified by the router port through which it connects to the network (in addition to its MAC address) and be aware of Ethernet virtual circuit (EVC) VLANs.
- [*GETVPN Phase 1.2*](#)
Enables a router to apply encryption to nontunneled (that is, "native") IP multicast and unicast packets and eliminates the requirement to configure tunnels to protect multicast and unicast traffic.

- [*IP Source Guard for Service Instance*](#)
Provides source IP address filtering on a Layer 2 port to prevent a malicious host from impersonating a legitimate host by assuming the legitimate host's IP address.
- [*Layer 2 Access Control Lists on EVCs*](#)
Allows packet filtering based on MAC addresses.
- [*MAC Address Limiting on Service Instances and Bridge Domains*](#)
Addresses port security with service instances by providing the capability to control and filter MAC address learning behavior at the granularity of a per-service instance.
- [*MAC Address Security for EVC Bridge-Domain*](#)
Addresses port security with Ethernet virtual circuits (EVCs) by providing the capability to control and filter MAC address learning behavior at the granularity of a per-Ethernet flow point (EFP) basis.
- [*NMS-IPS-K9*](#)
Describes the Cisco intrusion protection system (IPS) network module and how it protects against suspicious behavior.
- [*Per Tunnel QoS*](#)
Allows you to apply a unique quality of service (QoS) policy to each tunnel or tunnel endpoint with or without IP security (IPsec).

Revised Documents

- [*Cisco IOS SSL VPN Internationalization*](#)
Provides multilanguage support for secure socket layer (SSL) Virtual Private Network (VPN) clients such as Cisco secure desktop (CSD) and SSL VPN client (SVC).
- [*Cisco NAC Appliance—Clean Access Manager Installation and Configuration Guide, Release 4.1\(6\)*](#)
Describes installation and configuration of the Clean Access Manager via the CAM web console for Cisco NAC Appliance, Release 4.1(6).
- [*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 4.1\(6\)*](#)
Describes installation and configuration of the Clean Access Server (including failover, DHCP, AD SSO, and VPN concentrator integration) for Cisco NAC Appliance, Release 4.1(6).
- [*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.
- [*Cisco NAC Appliance Hardware Installation Quick Start Guide, Release 4.5*](#)
Describes hardware specifications and initial configuration for Cisco NAC 3300 series appliances.
- [*Lawful Intercept*](#)
Supports service providers in meeting the requirements of law enforcement agencies to provide the ability to intercept VoIP or data traffic going through edge routers.

- [Release Notes for Cisco NAC Appliance, Version 4.5](#)
Provides late-breaking and cumulative release, upgrade, and installation information for release 4.5.
- [Release Notes for Cisco NAC Guest Server, Release 1.1.2](#)
Provides late-breaking release information for Cisco NAC Guest Server, release 1.1.2.
- [Release Notes for Cisco NAC Profiler, Release 2.1.7](#)
Provides cumulative release information for Cisco NAC Profiler Release 2.1.7.
- [Release Notes for Cisco NAC Profiler, Release 2.1.8](#)
Provides late-breaking and cumulative release and upgrade information for Cisco NAC Profiler Release 2.1.8 (build 37).
- [Supported Hardware and System Requirements for Cisco NAC Appliance \(Cisco Clean Access\)](#)
Provides a hardware support list and system requirements for Clean Access Manager/Server/Agent.
- [Support Information for Cisco NAC Appliance Agents](#)
Provides support and compatibility information (OS, browser, Java) for Cisco NAC Appliance Agents, Release 4.5 and later releases.
- [Time-Based Anti-Replay](#)
Helps ensure that invalid packets are discarded by detecting the replayed packets that have already arrived at an earlier time.

Server Networking and Virtualization

None at this time.

Service Exchange

None at this time.

Storage Networking

New Documents

- [Cisco MDS 9000 Family SANTap Deployment Guide](#)
Describes the Cisco MDS 9000 SANTap service that enables customers to deploy third-party appliance-based storage applications on the Storage Services Module (SSM) and MDS 9222i Multiservice Modular Switch and MDS 9000 18/4-Port Multiservice Module (MSM-18/4).

Revised Documents

- [Cisco MDS 9000 Family CLI Configuration Guide, Release 4.x](#)
Explains the name change from SAN-OS to NX-OS, describes how to configure Generation 3 modules, and describes the Smart Call Home feature and enhancements to various other NX-OS features.

- [Cisco MDS 9000 Family Command Reference, Release 4.x](#)
Describes various updated and new commands, including the new **feature** command.
- [Cisco MDS 9000 Family Data Mobility Manager Configuration Guide](#)
Describes the new configuration wizard for the MSM-18/4 module.
- [Cisco MDS 9000 Family Fabric Manager Configuration Guide, Release 4.x](#)
Explains the name change from SAN-OS to NX-OS, and describes the Call Home Delayed Traps feature, the new Server Admin Tool, and numerous enhancements to Fabric Manager Server Web Client.
- [Cisco MDS 9000 Family MIB Quick Reference](#)
Includes the ENTITY-DISPLAY-MIB.
- [Cisco MDS 9000 Family Release Notes for Cisco MDS 9000 EPLD Images](#)
Describes the electrical programmable logical devices (EPLDs) that provide hardware functionalities in all of the modules for the switches and directors in the Cisco MDS 9000 family.
- [Cisco MDS 9000 Family Release Notes for Cisco MDS NX-OS Release 4.1\(1b\)](#)
Describes the caveats and limitations for switches in the Cisco MDS 9000 family.
- [Cisco MDS 9000 Family Release Notes for Storage Services Interface Image Release 4.1\(1b\)](#)
Describes the caveats and limitations for the Storage Service Interface (SSI) software for the various Cisco MDS Services Modules (SSM, MSM-18/4, and MDS 9222i module).
- [Cisco MDS 9000 Family System Messages, Release 4.x](#)
Includes the SYSTEMHEALTH-4 and PLATFORM-2 messages.
- [Cisco MDS 9000 Family Storage Media Encryption Configuration Guide](#)
Describes Cisco SME roles, key management, FC-Redirect and CFS regions, migrating the KMC server, Key Manager settings, and various other new features.
- [Cisco MDS 9000 Family Storage Services Interface Image Installation and Upgrade Guide](#)
Describes the procedures for installing and upgrading the Intelligent Storage Services Software Image on Cisco MDS 9000 Family Interface modules to Cisco MDS NX-OS 4.1(1b).
- [Cisco MDS 9200 Series Hardware Installation Guide](#)
Describes Generation 3 8-Gbps switching modules and new SFP+ transceivers.
- [Cisco MDS 9500 Series Hardware Installation Guide](#)
Describes Generation 3 8-Gbps switching modules, the process for migrating to Generation 3 modules, new Fabric 2 crossbar modules, and new SFP+ transceivers.
- [Cisco MDS NX-OS Release Compatibility Matrix for Storage Service Interface Images](#)
Provides compatibility information between Cisco MDS NX-OS and Cisco MDS SAN-OS software releases, and Storage Service Interface (SSI) releases.

Switches

Revised Documents

- [Mini Protocol Analyzer](#)
Allows network administrators to select and then capture Layer 2 and Layer 3 protocol traffic for network diagnostics purposes.

TelePresence

None at this time.

Universal Gateways and Access Servers

None at this time.

Video, Cable, and Content Delivery

None at this time.

Voice and Unified Communications

New Documents

- [Cisco Unified Communications Manager Express Quick Reference Card for Your Unified IP Phone 7925G \(SCCP\)](#)
Provides a quick reference card for Cisco Unified Wireless IP Phone 7925G.
- [Cisco VGD IT3 Voice Gateway Software Configuration Guide, Release 12.4T](#)
Describes a high-density voice gateway with one channelized T3 (CT3) of voice over IP (VoIP) capacity in only two rack units (2RUs) and provides best-of-class voice and fax services.
- [Installation Guide for Cisco Unified Operations Manager 2.1](#)
Describes how to install, upgrade, and get started using Operations Manager 2.1.
- [Release Notes for Cisco Unified Operations Manager 2.1](#)
Describes new features, documentation updates, and known and resolved problems for Cisco Unified Operations Manager.
- [SIP History-Info Header Support](#)
Provides support for the history-info header in Session Initiation Protocol (SIP) IP INVITE messages only.

- [*SIP Multicast Music-on-Hold \(\(MoH\)*](#)
Enables you to subscribe to a music streaming service when you are using a Cisco IOS Media Gateway Control Protocol (MGCP) voice gateway.
- [*Supported Devices and Interoperable Software for Cisco Unified Operations Manager 2.1*](#)
Describes supported and interoperable devices and software.
- [*Unified Communications Manager Express 7.0\(1\) Localization Configuration Enhancements*](#)
Describes the localization support in Cisco Unified Communications Manager Express (Cisco Unified CME) for languages other than English and network tones and cadences not specific to the United States.
- [*User Guide Cisco Unified IP Phone 7925G \(SCCP\) for Cisco Unified Communications Manager Express 7.0*](#)
Provides the user guide for Cisco Unified Wireless IP Phone 7925G. The Cisco Unified IP Phone 7925G is a single-line phone and a qualified Bluetooth wireless device (Qualified Device ID (QDID) B014396). In addition to providing the basic call handling feature, the 7925G phone supports the use of Bluetooth wireless headsets and certain hands-free call features.
- [*User Guide for Cisco Unified Operations Manager 2.1*](#)
Describes how to use the Operations Manager 2.1.

Cisco PGW 2200 Softswitch

- [*Cisco PGW 2200 Softswitch H.248 Protocol-Phase 2 Feature Module*](#)
Describes the functionality and provisioning for the Cisco PGW 2200 Softswitch H.248-Phase 2 feature. H.248-Phase 2 lets the Cisco PGW 2200 Softswitch anchor media on the ingress or egress border gateways for IP traffic, no matter whether a call is TDM to IP, IP to TDM, or IP to IP. With H.248-Phase 2, the Session Border Element (SBE) engine can select border gateways in gateway pools, and, through the use of H.248, instruct these border gateways to anchor the Real-time Transport Protocol (RTP)/Real Time Conferencing Protocol (RTCP) media streams.
- [*Cisco PGW 2200 Softswitch Release 9.8 Software Installation and Configuration Guide*](#)
Describes the steps necessary to install and configure the Cisco PGW 2200 Softswitch Release 9.8 and the Sun Solaris 10 operating system on the Cisco PGW 2200 Softswitch host, and the migration procedure from previous releases to Release 9.8.
- [*Domain-Based Routing Feature Module*](#)
Describes the Domain-Based Routing feature that enhances the Cisco PGW 2200 Softswitch analysis and routing functions to allow the PGW 2200 Softswitch to route calls based on user and domain names. These changes allow the PGW 2200 Softswitch to simultaneously route calls using E.164 numbers, domain names, user names, or a combination of E.164 and non-E.164 data.
- [*Release Notes for the Cisco PGW 2200 Softswitch Release 9.8\(1\)*](#)
Describes the features and caveats for Cisco Media Gateway Controller Software Release 9.8(1).
- [*Sequential Network Consultation Transfer Feature Module*](#)
Describes the Sequential Network Consultation Transfer feature, which allows the Cisco PGW 2200 Softswitch to perform sequential network consultation transfer (NCT) calls. That is, the Cisco PGW 2200 Softswitch can perform another NCT after the first NCT is completed.

- [*SIP Overlap Signaling Feature Module*](#)
Describes the feature that supports SIP overlap signaling between the Cisco PGW 2200 Softswitch and the Cisco BTS 10200 Softswitch products using a derivative of draft-zhang-sipping-overlap-01, a method for overlap signaling in SIP.
- [*SIP Profiles Feature Module*](#)
Describes new service profiles for SIP, EISUP, and other protocols. Service profiles improve provisioning and security for the Cisco PGW 2200 Softswitch by allowing you to create a customized set of call properties and assign it to a call trunk group.
- [*SIP-I Protocol Feature Module*](#)
Describes the SIP-I protocol support on the Cisco PGW 2200 Softswitch Release 9.8. SIP-I (SIP with encapsulated ISUP) is an ITU-defined SIP extension that allows IP networks to provide services that are supported by ISUP networks, for example, malicious call identification. The feature allows service providers to offer a complete VoIP interconnection that can handle PSTN services that the traditional TDM ISUP interconnection supports.
- [*TCP Transport for SIP Phase II Feature Module*](#)
Describes this feature, which extends the benefits of TCP Transport for SIP Phase I by adding flexible configuration options for the UDP and TCP transport protocols on the Cisco PGW 2200 Softswitch.

Revised Documents

- [*CallBack on Busy for Analog Phones*](#)
Provides callback notification when a busy called line becomes free.
- [*Call Hold/Resume for Shared Lines for SCCP Analog Ports*](#)
Enables an analog phone on a shared line to use hookflash to hold and resume an active call.
- [*CDR Support for SRST Operational Mode, CME Call Hold Duration, and Shared Line Identification*](#)
Describes call detail record (CDR) enhancements that include call hold and shared lines.
- [*Cisco Unified Communications SRND Based on Cisco Unified CallManager 4.x*](#)
Provides design considerations and guidelines for deploying Cisco Unified Communications solutions based on Cisco Unified CallManager 4.x releases.
- [*Cisco Unified Communications SRND Based on Cisco Unified Communications Manager 5.x*](#)
Provides design considerations and guidelines for deploying Cisco Unified Communications solutions based on Cisco Unified Communications Manager 5.x releases.
- [*Cisco Unified Contact Center Enterprise 7.0, 7.1, and 7.2 Solution Reference Network Design*](#)
Provides design considerations and guidelines for deploying contact center solutions based on Cisco Unified Contact Center Enterprise (Unified CCE) Releases 7.0, 7.1, and 7.2.
- [*Cisco Unified Contact Center Enterprise 7.5 Solution Reference Network Design*](#)
Provides design considerations and guidelines for deploying contact center solutions based on Cisco Unified Contact Center Enterprise (Unified CCE) Release 7.5.
- [*DC Voltage-Based VMWI for SCCP Controlled VG224 Analog Ports*](#)
Provides the ability to configure a phone to signal new voice messages through the message waiting lamp.

- [Flexible Feature Access Codes](#)
Allows you to configure the speed-dial code for redial so that phone users are not required to dial the prefix before dialing the feature code to access a Skinny Client Control Protocol (SCCP) feature on an analog phone.
- [Release Notes Cisco Phone Control and Presence 7.0\(2\) with IBM Lotus Sametime](#)
Describes system requirements, new features, changed information, documentation updates, and open caveats for Cisco Phone Control and Presence 7.0 with IBM Lotus Sametime.
- [SCCP Meet-Me Conference](#)
Enables you on an analog Skinny Client Control Protocol (SCCP) phone to start or join a meet-me conference call.
- [Virtual Route Forwarding](#)
Divides a physical router into multiple logical routers, each having its own set of interfaces and routing and forwarding tables.

Cisco PGW 2200 Softswitch

- [Cisco PGW 2200 Softswitch Hardware Installation Guide](#)
Describes the Cisco PGW 2200 Softswitch hardware and provides installation instructions.
- [Cisco PGW 2200 Softswitch Release 9 Messages Reference](#)
Provides reference information for informational events, alarms, and log messages of the Cisco PGW 2200 Softswitch Release 9.
- [Cisco PGW 2200 Softswitch Release 9 MML Command Reference](#)
Provides reference information for the Cisco PGW 2200 Softswitch software Release 9 Man-Machine Language (MML) commands.
- [Cisco PGW 2200 Softswitch Release 9 Operations, Maintenance, and Troubleshooting Guide](#)
Describes the operations of the Cisco PGW 2200 Softswitch, and the maintenance and troubleshooting procedure of the Cisco PGW 2200 Softswitch and its peripheral devices, such as Cisco ITP-Ls and Cisco LAN switches.
- [Licensing Features for the Cisco PGW 2200 Softswitch Feature Module](#)
Describes how the Cisco PGW 2200 Softswitch manages licenses. Licensing also applies to HSI and BAMS components.

Wireless

New Documents

- [Cisco Persistent Storage Device](#)
Provides persistent storage capabilities to Cisco clients, and allows the clients to store data on the persistent storage device's (PSD's) internal hard drive.
- [GPRS: Gateway Support Node \(GGSN\) Release 8.0](#)
Introduces enhancements for the general packet radio service (GPRS) gateway support node (GGSN).

- *ISG Support for SAMI Blade*

Combines the subscriber management features and functions of the Cisco Intelligent Services Gateway (ISG) with the processing power of the Cisco service application module for IP (SAMI).

Revised Documents

- *Cisco Service Application Module for IP*

Provides an overview of the Cisco service application module for IP (SAMI), including its physical and functional features.

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:

<http://www.cisco.com/go/guide>

- Visit the Cisco Services website to learn the latest technical, advanced, and remote services available to increase the operational reliability of your network. Go to:

<http://www.cisco.com/go/services>

- Visit Cisco Marketplace, the company store, for Cisco collateral, logo merchandise, Cisco Press books, and software at:

<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>

- Access international Cisco websites at:

http://www.cisco.com/public/countries_languages.shtml

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