



About This Guide

This guide provides information about the Cisco Voice Switch Service Module (VXSM) command set.

Guide Revision History

VXSM Release	Part Number	Publication Date
5.2	OL-7142-01 Rev. B0	January 12, 2006
5.3	OL-10283-01 Rev. A0	May 5, 2006
5.3.10	OL-10283-01 Rev. B0	August 31, 2006

Description of Changes in Rel. 5.2

- Commands `cnfxgcpdefpkg`, `dspxgcpdefpkg`, `dspxgcpdefpkgs` have been deleted
- Command `cnfxgcppkgs` and `dspxgcppkgs` have been added
- The following commands for the Bearer Trace feature have been added, these are:

addbearertraceendpt *<endptIndex>* *<LineNum>* *<ds0>* -trace *<probe>*

addbearertracesrvprof *<profIndex>* *<srvIP>* *<xferMode>* *<fileNameBase>* [*<uploadPath>* *<portNumber/login>* *<password>*]

bearertracestart *<endptIndex>*

bearertracestop *<endptIndex>*

delbearertrace *<endptIndex>*

delbearertraceendpt *<endptIndex>*

delbearertracesrvprof *<profIndex>*

dspbearertraceendpt *<endptIndex>*

dspbearertraceendpts

dspbearertracesrvprof *<profIndex>*

dspbearertracesrvprofs

btrresetstats *<endptID>* *<probe>*

dcbtrresetstats *<endptID>* *<probe>*

dspbtstats *<endptID><probe>*

dspdcbtstats *<endptID><probe>*

dspdcbtpktstats *<endptID><probe>*

- The following Bearer Trace have been deleted:

addpcmfilename Display announcement file server IP

addpcmtftpserverip Add PCM TFTP server IP

addpcmtrace Add PCM trace

delpcmfilename Delete PCM filename

delpcmtftpserverip Delete PCM TFTP server IP

delpcmtrace Delete PCM trace

dsppcmfilename Display PCM filename

dsppcmtftpserverip Display DTMF server IP

dsppcmtracestatus Display PCM trace status

pcmtracestart Start PCM trace

pcmtracestop Stop PCM trace

Description of Changes in Rel. 5.3

Release 5.3 includes the commands for the following additional features.

- Voice Quality Monitoring
- SS7 - Signaling Gateway
- Virtual Gateways
- H.248 Congestion and Overload management
- Backhauling using DPNSS/DASS on the TDM side and SCTP/IUA/DUA on the IP side.
- Call Agent (CA) controlled T.38 Fax Relay
- The `cnfxgcpdefpkg` command has been restored.

In addition, Rel. 5.3 includes a number of enhanced statistics commands.

Description of Changes in Rel. 5.3.10

- VXSM now supports Version 2 of the H.248 Baseroof Package (Version 1 is already supported in pervious releases). See the `cnfh248rootpkg` command
- VXSM now supports the ETSI TISPAN `etsi_tgw` H.248 Profile for controlling trunk media gateways in PSTN/ISDN emulation subsystems.

Objectives

The *Cisco VXSM Configuration Guide and Command Reference* provides information on the use and configuration of VXSM in both switching and nonswitching (trunking) applications.

Audience

The *Cisco VXSM Configuration Guide and Command Reference* is intended for experienced Cisco Media Gateway Switch (MGX) users who are involved with the installation and configuration of Cisco media gateway applications.

Document Organization

- This installation guide contains the following chapters and appendixes:
- Chapter 1—Configuring and Managing Using the VXSM Command Line Interface (CLI)
- Chapter 2—List of VXSM Commands
- Chapter 3—VXSM Commands

Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. Cisco also provides several ways to obtain technical assistance and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

Cisco.com

You can access the most current Cisco documentation at this URL:

<http://www.cisco.com/univercd/home/home.htm>

You can access the Cisco website at this URL:

<http://www.cisco.com>

You can access international Cisco websites at this URL:

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

Documentation DVD

Cisco documentation and additional literature are available in a Documentation DVD package, which may have shipped with your product. The Documentation DVD is updated regularly and may be more current than printed documentation. The Documentation DVD package is available as a single unit.

Registered Cisco.com users (Cisco direct customers) can order a Cisco Documentation DVD (product number DOC-DOCDVD=) from the Ordering tool or Cisco Marketplace.

Cisco Ordering tool:

<http://www.cisco.com/en/US/partner/ordering/>

Cisco Marketplace:

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

Ordering Documentation

You can find instructions for ordering documentation at:

http://www.cisco.com/univercd/cc/td/doc/es_inpk/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Ordering tool:

<http://www.cisco.com/en/US/partner/ordering/>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 1 800 553-NETS (6387).

Documentation Feedback

You can send comments about technical documentation to bug-doc@cisco.com.

You can submit comments by using the response card (if present) behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Cisco Product Security Overview

Cisco provides a free online Security Vulnerability Policy portal at:

http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html

From this site, you can perform these tasks:

- Report security vulnerabilities in Cisco products.
- Obtain assistance with security incidents that involve Cisco products.
- Register to receive security information from Cisco.

A current list of security advisories and notices for Cisco products is available at this URL:

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

If you prefer to see advisories and notices as they are updated in real time, you can access a Product Security Incident Response Team Really Simple Syndication (PSIRT RSS) feed from this URL:

http://www.cisco.com/en/US/products/products_psirt_rss_feed.html

Reporting Security Problems in Cisco Products

Cisco is committed to delivering secure products. We test our products internally before release, and we strive to correct all vulnerabilities quickly. If you think that you might have identified a vulnerability in a Cisco product, contact PSIRT:

- Emergencies—security-alert@cisco.com
- Nonemergencies—psirt@cisco.com



Tip

We encourage you to use Pretty Good Privacy (PGP) or a compatible product to encrypt any sensitive information that you send to Cisco. PSIRT can work from encrypted information that is compatible with PGP versions 2.x through 8.x.

Never use a revoked or an expired encryption key. The correct public key to use in your correspondence with PSIRT is the one that has the most recent creation date in this public key server list:

<http://pgp.mit.edu:11371/pks/lookup?search=psirt%40cisco.com&op=index&exact=on>

In an emergency, you can also reach PSIRT by telephone:

- 1 877 228-7302
- 1 408 525-6532

Obtaining Technical Assistance

For all customers, partners, resellers, and distributors who hold valid Cisco service contracts, Cisco Technical Support provides 24-hour-a-day, award-winning technical assistance. The Cisco Technical Support Website on Cisco.com features extensive online support resources. In addition, Cisco Technical Assistance Center (TAC) engineers provide telephone support. If you do not hold a valid Cisco service contract, contact your reseller.

Cisco Technical Support Website

The Cisco Technical Support Website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The website is available 24 hours a day, 365 days a year, at this URL:

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

Access to all tools on the Cisco Technical Support Website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a user ID or password, you can register at this URL:

<http://tools.cisco.com/RPF/register/register.do>



Note

Use the Cisco Product Identification (CPI) tool to locate your product serial number before submitting a web or phone request for service. You can access the CPI tool from the Cisco Technical Support Website by clicking the **Tools & Resources** link under Documentation & Tools. Choose **Cisco Product Identification Tool** from the Alphabetical Index drop-down list, or click the **Cisco Product Identification Tool** link under Alerts & RMAs. The CPI tool offers three search options: by product ID

or model name; by tree view; or for certain products, by copying and pasting **show** command output. Search results show an illustration of your product with the serial number label location highlighted. Locate the serial number label on your product and record the information before placing a service call.

Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool provides recommended solutions. If your issue is not resolved using the recommended resources, your service request is assigned to a Cisco TAC engineer. The TAC Service Request Tool is located at this URL:

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

For S1 or S2 service requests or if you do not have Internet access, contact the Cisco TAC by telephone. (S1 or S2 service requests are those in which your production network is down or severely degraded.) Cisco TAC engineers are assigned immediately to S1 and S2 service requests to help keep your business operations running smoothly.

To open a service request by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411 (Australia: 1 800 805 227)

EMEA: +32 2 704 55 55

USA: 1 800 553-2447

For a complete list of Cisco TAC contacts, go to this URL:

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

Definitions of Service Request Severity

To ensure that all service requests are reported in a standard format, Cisco has established severity definitions.

Severity 1 (S1)—Your network is “down,” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Severity 2 (S2)—Operation of an existing network is severely degraded, or significant aspects of your business operation are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Severity 3 (S3)—Operational performance of your network is impaired, but most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Severity 4 (S4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- Cisco Marketplace provides a variety of Cisco books, reference guides, and logo merchandise. Visit Cisco Marketplace, the company store, at:

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

- *Cisco Press* publishes a wide range of general networking, training and certification titles. Both new and experienced users will benefit from these publications. For current Cisco Press titles and other information, go to Cisco Press at:

<http://www.ciscopress.com>

- *Packet* magazine is the Cisco Systems technical user magazine for maximizing Internet and networking investments. Each quarter, Packet delivers coverage of the latest industry trends, technology breakthroughs, and Cisco solutions, as well as network deployment and troubleshooting tips, configuration examples, customer case studies, certification and training information, and links to scores of in-depth online resources. You can access Packet magazine at:

<http://www.cisco.com/packet>

- *iQ Magazine* is the quarterly publication from Cisco Systems designed to help growing companies learn how they can use technology to increase revenue, streamline their business, and expand services. The publication identifies the challenges facing these companies and the technologies to help solve them, using real-world case studies and business strategies to help readers make sound technology investment decisions. You can access iQ Magazine at:

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

- *Internet Protocol Journal* is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the Internet Protocol Journal at:

<http://www.cisco.com/ipj>

- World-class networking training is available from Cisco. You can view current offerings at:

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

