



# Release Notes for the Cisco Voice Services Provisioning Tool (VSPT) Release 2.5(2)

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**June 28, 2007**

## Introduction

This document contains release information for the Cisco Voice Services Provisioning Tool (VSPT) Release 2.5(2) software. For more information on the Cisco VSPT software, please visit Cisco's website at: <http://www.cisco.com> > Software Center > Network Management > Voice Services Provisioning Tool or <http://www.cisco.com/cgi-bin/tablebuild.pl/vspt>.

VSPT helps you create configuration files across multiple devices including the Cisco PGW 2200, and BAMS. It provides a GUI for the batch and interactive provisioning of the various features of the PGW 2200 host. Each release of VSPT supports a specific release of the PGW 2200.



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VSPT can help avoid common errors that might arise if devices are provisioned independently. This package eliminates the need to enter duplicate data and enables you to deploy configurations to and export configurations from the PGW 2200. It also generates the configuration files you need to provision the PGW 2200—including the following provisioning information:

- Signaling
- Trunk groups
- Trunks
- Routes
- External nodes
- System
- Dial plans

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## Related Documentation

The Cisco Voice Services Provisioning Tool User's Guide Version 2.5(2) contains installation instructions as well as information on getting started with VSPT, and is available at

<http://www.cisco.com/univercd/td/doc/product/access/sc/re19/emins/index.htm>

For details of using VSPT for provisioning, refer to the *Cisco Media Gateway Controller Software Provisioning Guide Version 9*, Chapter 3, "Provisioning with the Voice Services Provisioning Tool", at

[http://www.cisco.com/en/US/products/sw/voicesw/ps1913/products\\_configuration\\_guide\\_chapter09186a008007ddeb.html](http://www.cisco.com/en/US/products/sw/voicesw/ps1913/products_configuration_guide_chapter09186a008007ddeb.html)

For details of using VSPT for provisioning dial plans, refer to the *Cisco Media Gateway Controller Dial Plan Guide Version 9*, Chapter 3, "Provisioning Dial Plans with VSPT", at

[http://www.cisco.com/en/US/products/sw/voicesw/ps1913/products\\_configuration\\_guide\\_chapter09186a008007e01c.html](http://www.cisco.com/en/US/products/sw/voicesw/ps1913/products_configuration_guide_chapter09186a008007e01c.html)



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**Note**

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The above mentioned documents can be referenced for basics when using VSPT.

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# Software Release History

This section contains information for the current 2.5 releases. For information on earlier releases, please refer to a previous version's release notes.

## Release 2.5(2)

Release 2.5(2) is a full release which adds to the features available in the limited release 2.5(2)T. VSPT 2.5(2) supports all new result types, sigpath, trunk group properties, and trunk group types that are supported by PGW 9.5(2). For detailed information on this support, refer to the *Cisco Media Gateway Controller Software Provisioning Guide Version 9*.

The following new MML components are supported in VSPT 2.5(2):

- Announcement
- ATMProfiles
- PRICHARGE
- PRITARIFF

Additionally, support for the following features has been added:

- SIP DNS—A dialog has been added to the SIP DNS parameters that will notify the user that the PGW needs restart for those modifications to take effect.
- State Operations—The state operations for retrieving and setting the call limiting functions of PGW.
- Meter Pulse Tariff Table—Added support to configure the Meter Pulse Tariff table in PGW.
- BAMS—Added support to provision multiple BAMS operating modes set by the pgw-dynamic-update flag. Also, BAMS up to and including version 3.13 is supported by this release.

## Release 2.5(2)T

Release 2.5(2)T supports Cisco MGC Release 9.5(2), BAMS releases 3.13, and HSI release 4.1 patch 6 software and adds new or enhanced features to support provisioning features new in Cisco PGW 2200 (MGC) Release 9.5(2).

Release 2.5(2)T is a special limited release. It does not provide full support for all PGW 2200 9.5(2) features.



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**Note**

VSPT 2.5(2)T is a customer specific special release only and will not be posted on Cisco.com.

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# New Features

The following new feature has been added to the 2.5(2) release.

## VSPT Timeout:

Because the PGW allows only one provisioning session at a time, VSPT accomplishes multi-user provisioning by placing a provisioning attempt (initiated with the Tools > Deploy menu option) on hold if a provisioning session is already in progress.

After a 45-second timeout, VSPT retries the operation up to three times. The timeout and retry values are specified in the configEditor.properties file located in the following directory:

`<VSPT_INSTALL_DIR>/classes/com/cisco/transpath/dart/editor`

To change the settings, modify the following lines:

```
Deploy.Retry=3
Deploy.WaitPOM=45
```

In the case of very large configurations, the import or export may take more than the default time (3 minutes). To address this case, VSPT allows modification to the default time out in the configEditor.properties file. (File location indicated above.) To change the timeout value for import or export, the user may modify the following line (time is in minutes):

```
DefaultTimeOut=3
```

# Open Caveats

The following caveat(s) have not been resolved:

*Table 1 Open Caveats for Software Release 2.5(2)*

Identifier	Severity	Description
CSCee57323	6	VSPT should requery PGW for property and MDO files
CSCuk50834	2	NV3. VSPT does not IMPORT ISUP Timer Profiles assigned to SS7Path

**Table 1** *Open Caveats for Software Release 2.5(2) (Continued)*

<b>Identifier</b>	<b>Severity</b>	<b>Description</b>
CSCef47736	3	Not able to modify the Currency value in PRI tariff table
CSCuk50827	3	NV3. VSPT does NOT MANAGE ISUP Timer Profiles and fails deployment

## Resolved Caveats

The following caveat(s) have been resolved:

**Table 2** *Resolved Caveats for Software Release 2.5(2)*

<b>Identifier</b>	<b>Severity</b>	<b>Description</b>
CSCea19905	6	VSPT does not configure BAMS SKIPCDB entries correctly
CSCef70475	2	VSPT does not allow to add SS7 Subsystem
CSCef75744	2	VSPT cannot modify PRITARIFF
CSCef75756	2	No option to add/modify/del PRICHARGE
CSCef75830	2	TCP Link cannot be added
CSCuk51152	2	NV3. PRI Dchan only show slot 0 for 2651 and 2691 routers
CSCed07882	3	VSPT 241 unable to add a CUSTGPID option on a DPNSS path
CSCee37320	3	VSPT unable to deploy DPNSSPATH description changes
CSCef37926	3	Features not supported on VSPT2.5(2) build 2
CSCef37934	3	Boundary check for PRI Tariff Table Gui items fail
CSCef39315	3	Error Message is not displayed when deleting sigpath, where its a
CSCef47724	3	Expected trunk group properties are not displayed by VSPT

*Table 2 Resolved Caveats for Software Releases 2.5(2) (Continued)*

<b>Identifier</b>	<b>Severity</b>	<b>Description</b>
CSCef69032	3	VSPT does not generate the proper MMI cmd for blocking the trkgrp
CSCuk52388	3	NV3 When adding new trunks, NullPointerException thrown by VSPT

## System Requirements

The following is the minimum hardware and software you need to run the Cisco VSPT software:

- Sun Ultra 5 workstation, 440 MHz or faster
- Sun Solaris 8 operating system
  - February 2002 release recommended
  - Open Windows with the Common Desktop Environment (CDE)
- 8-bit video graphics card
- 128 MB of System RAM
- 128 MB of free disk space (in installation directory)
- 128 MB of free swap space
- Approximately 4 MB of disk space in the /var partition required for each configuration session

## Supported Configurations

These configurations are supported:

- Cisco MGC Node Manager and Cisco VSPT installed together on a network management server. (Recommended)
- Cisco MGC Node Manager installed on a network management server and Cisco VSPT installed on a Cisco PGW host machine.

- Cisco MGC Node Manager installed on a network management server and Cisco VSPT installed on a separate server.
- Cisco VSPT installed on a PGW host machine or a stand alone Sun Server.

**Note**

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Other element managers may be installed on the network management server.

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## Supported Network Elements

The following network elements have been tested and verified to work with this release of the Cisco VSPT.

**Note**

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Other network element software versions are not supported with this version.

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Cisco PGW 2200 Release 9.5(2) including provisioning the following components:

- Signaling
- Trunk groups
- Trunks
- Routes
- External nodes
- System
- Dial plans

## Troubleshooting

- The X-Windows DISPLAY environment variable must be set in order for you to install the Cisco VSPT:

During installation, the X-Windows DISPLAY environment variable must be set properly. If this variable is not set properly, the installation program exits with a Java error message or simply appears to stop responding. Use the following examples to set your X-Windows DISPLAY environment variable. Replace the value <hostname> with your machine's hostname:

In csh or tcsh:

```
setenv DISPLAY <hostname>:0
```

In sh or ksh:

```
DISPLAY=<hostname>:0 ; export $DISPLAY
```

- If you experience problems or errors deploying to or communicating with a remote machine, check the following points:
  - Ensure that the machine is active and responding to the **ping** command.
  - Ensure that correct login/passwords have been specified.
- If you experience errors when deploying to the PGW 2200, check the following points:
  - The PGW 2200 supports only one provisioning session at a time. When deploying to the PGW 2200, ensure that no other provisioning sessions are active.
  - When activating a configuration on the PGW 2200, the PGW 2200 might require that some signaling components are taken out of service before the configuration is activated. If you do not take the component out of service, you receive an MML error message. You can take the component out of service from MML manually, and after that you can activate the configuration.
- Enter the following command to determine where Cisco VSPT is installed:
 

```
/usr/bin/pkgparam _DART_PKG_NAME_BASEDIR
```
- CSCOVsp stores configuration files in the /var/<install directory>/data directory. Each \_DART\_PKG\_NAME\_ configuration is stored in a separate directory; the directory name is the same as the configuration name.
 

In the examples below, the assumption is that CSCOVsp16 was installed in the directory /opt/CSCOVsp16, thus = /opt/CSCOVsp16

  - To rename a configuration, simply rename the directory under /var/opt/\_DART\_PKG\_NAME\_/data

- To remove a configuration, remove the directory under  
/var/opt/\_DART\_PKG\_NAME\_/data
- To determine where the data directory is located, search for DartStoreDir in the configEditor.properties file:  

```
/usr/bin/grep DartStoreDir  
/opt/_DART_PKG_NAME_/classes/com/cisco/transpath/dart/editor/configEditor.properties
```

As a safety precaution, the deinstallation procedure does not remove configuration data. The data must be removed manually.

## 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](http://www.cisco.com/public/countries_languages.shtml)

## Ordering Documentation

You can find instructions for ordering documentation at this URL:

[http://www.cisco.com/univercd/cc/td/doc/es\\_inpk/pdi.htm](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/index.shtml>

- 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 800 553-NETS (6387).

## Documentation Feedback

You can send comments about technical documentation to [bug-doc@cisco.com](mailto: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.

## 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>

## 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 automatically provides recommended solutions. If your issue is not resolved using the recommended resources, your service request will be 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 this URL:  
<http://www.cisco.com/go/marketplace/>
- The Cisco *Product Catalog* describes the networking products offered by Cisco Systems, as well as ordering and customer support services. Access the Cisco Product Catalog at this URL:  
<http://cisco.com/univercd/cc/td/doc/pcat/>
- *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 this URL:  
<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 products and 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 this URL:  
<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 this URL:  
<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 this URL:

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

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

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

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