



Release Notes for the Voice Services Provisioning Tool Release 2.3

February 8, 2007

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Introduction

This document contains release information on the Cisco Voice Services Provisioning Tool (VSPT) Release 2.3 software through Release 2.3(2) patch 1. For more information on the Cisco VSPT software, please visit Cisco's website at: <http://www.cisco.com> > Software Center > Voice Software > 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, Cisco Media Gateway for SS7 PRI Gateway, and the Tandem Offload Solutions.

The Cisco 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 import 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



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- Trunk groups
- Trunks
- Routes
- Dial plans

Related Documentation

The Cisco Voice Services Provisioning Tool User's Guide Version 2.3(2) contains information on installing and getting started with VSPT and is available at

<http://www.cisco.com/univercd/cc/td/doc/product/access/sc/rel9/vspt232/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/univercd/cc/td/doc/product/access/sc/rel9/prvgde/r9gui.htm>

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/univercd/cc/td/doc/product/access/sc/rel9/dplan/dp_vspt.htm

Software Release History

This section contains information only for the current and previous 2.3(x) releases. For information on earlier releases, please refer to a previous version's release notes.

Release 2.3(2)

Release 2.3(2) supports Cisco MGC Release 9.3(2) software.

Cisco VSPT 2.3(2) adds support for provisioning the features new in Cisco MGC Release 9.3(2), as shown in [Table 1](#). Enhancement identification numbers are listed where applicable.

Table 1 *New Features for Software Release 2.3(2)*

Enhancement Identifier	Description
CSCdx09754	Dual CLI interworking with Voice over IP network, both signaling path and call control
CSCdy13389	Calling party category (CPC), transmission medium requirements (TMR), transit network selection (TNS), codec call type, and percentage-based routing (PBR)
CSCdy13414	Enhanced H.323 services
CSCdy13494	Range checking of properties
CSCdy17857	Support for BAMS NICS output
CSCdz12519	Support for BAMS 1110 output
CSCdz12545	Support for VISM Voice over ATM operating mode
	Configurable ISUP timers
	Polish ISUP Version 2
	Improved SIP failover support

Release 2.3(2) Patch 1 Information

The following caveats were resolved in Release 2.3(2) Patch 1. Patch installation instructions are described in [Patch Procedure, page 8](#).

Table 2 *Resolved in Release 2.3(2) Patch 1*

DDTS Number	Description
CSCuk39491	VSPT does not refresh codecstring table on a new import.
CSCea37100	VSPT does not refresh codecstring table on a new import.
CSCea33946	Trunks are not displayed when imported from the Cisco PGW 2200.
CSCea15861	When importing a configuration, VSPT does not update trunk information.
CSCea00396	Drop-down menu for result type COND_ROUTE does not work.
CSCdz35858	The siptrtrnkgrp window does not close, and thus does not update the configuration.
CSCeb00645	VISM card provisioning: Incorrect endpoints generated adding trunks to VISM Media Gateway.

Release 2.3(2) (Base Release) Information

The following caveats were resolved in this release.

Table 3 Resolved Caveats for Software Release 2.3(2)

Identifier	Severity	Description
CSCdx02124	3	Patch: Update patching script to process README_NOTES.txt.
CSCdx66584	3	Can't modify weighted trunkgroup off/on for rtrtrnk.
CSCdy19013	3	Java null pointer exception while changing DS1(T1/E1) p.
CSCdy46494	3	VSPT ignoring prov-add commands for condrtedesc while i.
CSCdy53575	3	CondRte drop down list values for condrtedesc not shown.
CSCdy53721	3	Java exception while viewing percrtc component prov-add.
CSCdy53730	3	Java exception when trying to delete percrtc component.
CSCdy54549	3	Unable to add CPC component.
CSCdy56235	3	TMR and TNS be added as screening criteria for Blacklis.
CSCdy57587	3	README_NOTES doesnt contain VISM specific information.
CSCdy57718	3	Adding RTTRNKGRP with bearcap property throws Java exce.
CSCdy58996	3	Java Null pointer exception when adding trunk group.
CSCdy63925	3	DW1 for Perc_route result type showing wrong values in.
CSCdy65074	3	VISM config deploy screen, Continue w/ Commands check b.
CSCdy66591	3	User's Guide clarifies PGW and media gateway options in importing and deploying configurations.
CSCCuk27906	3	ST. VSPT default values are not correct.
CSCCuk34842	3	VSPT provisions Bell_1268 Span_ids as 0, should be ffff.
CSCCuk37278	3	Can't configure second half of a Classic-split AS5850 - .

Previous Releases

Release 2.3(1)

Release 2.3(1) supports Cisco MGC Release 9.3(1) software. The following caveats were resolved:

Table 4 Resolved in Release 2.3(1)

DDTS Number	Description
CSCdv60164	Install: Install netscape browser with VSPT.
CSCdv61820	State operation should add/display sessionset/c7iplnk for SLT.
CSCdw43277	NF: VSPT support for Currituck.
CSCdw46917	NF: Rename Protocol Files.
CSCdw54305	NF: AOC Support for India ISUP.
CSCdw54329	NF: INAP-Based Pre-Paid Card Service.
CSCdw54353	NF: VSPT support for HSI.
CSCdw57163	Drop down list for rtedesc attribute of condrtc mml component.

Table 4 Resolved in Release 2.3(1) (continued)

DDTS Number	Description
CSCdw65877	VSPT using incorrect mgcp endpoint format for as5400.
CSCdw67871	NF: VSPT support for Circuit Reservation.
CSCdw68579	NF: VSPT support of Route Advance and Redirection for Circuit Reservation.
CSCdw75284	NF: Support BU/Restore of 6509.
CSCdw81133	Unable to add multiple instances of same trunkgroup in a route.
CSCdw89655	BT: Calls to emergency numbers should have CPC 00001011.
CSCdx05880	Install: VSPT cannot determine correct netscape directory.
CSCdx21397	Max number of route list is 6 instead of 5 for conditional route.
CSCdx38315	MGCbackup does not list all scheduled backups setup by different users.
CSCdx41546	Routes in rtlist needs distrib on each of them.
CSCdx65524	MGC doest support MGCP message appears on dart launched xterm window.
CSCdx66497	Importing trunk/trunkgroup .dat messgaes appear on xterm window.
CSCdx69387	Backup and Restore window does not show complete field names.
CSCdx69533	Backup and restore does not work with log file does not exist message.
CSCdx70291	Restore does not work for Cat6509 switch flash.
CSCdx70386	For Image type of config/running-config for CAT6509 switch and msfc blades, select /view images from flash should not activated.
CSCdx70514	Backup and Restore for HSI not working.
CSCCuk28882	ST. VSPT retrieves T1 by default, from 5300 configured as E1.
CSCCuk32657	ST. VSPT-BAMS always sends prov-ed:NODEPARMS:with everything.
CSCCuk32658	ST. VSPT-BAMS has wrong menu under MSC-PARMS/AgeAlarm.
CSCCuk32663	ST. VSPT-BAMS does not import MSC-PARMS from the system node.
CSCCuk32668	ST. VSPT-BAMS msgdiscvl and msgfwdlvl allow failure.
CSCCuk32698	ST. VSPT BAMS POLL tag contains wrong titles.
CSCCuk32725	ST. VSPT BAMS The importing menu should be improved.
CSCCuk33576	ST. VSPT-BAMS when importing trunkgrps, the import button fails.
CSCdw08702	GTD NOA override support.
CSCdw09040	GTD NOA Override.
CSCdw15858	Change MGC Product Name References.
CSCdw20159	Need to support alphanumeric for NEXTHOP and PEERADDR.
CSCdw24607	Misspelled word on BAMS3 provisioning screen.

Table 4 Resolved in Release 2.3(1) (continued)

DDTS Number	Description
CSCdw27713	Result type A_NUM_DP_TABLE is not open to Btree Analysis.
CSCdw34698	Sigpath name display needed instead of hex for BAMS config.
CSCdw37915	BAMS provisioning does not allow 2 TGs per sigpath.
CSCdw38068	Install:Rename Release_Notes.txt to README_NOTES.txt.
CSCdw38110	Install:Add full version of netscape with VSPT.
CSCdw38115	Install:Use CEMF version of netscape if available.
CSCdw41651	Online help is not displayed when using CEMF 3.2 netscape.
CSCdw41823	Range parameter not used when configuring BAMS sigpaths.
CSCdw47351	Install: add MINMGCVER to the VSPT Sun Package.
CSCdw53562	CONDRTE component mml commnads not shown in the inc. deploy window1.
CSCdw54571	VSPT delete digmodstring even if referenced by result CC_DIG, AMODDI1a.
CSCuk30986	ST. VSPT deploys or changes EndPoints for 5400/5350 to E1.

The following new features were added:

Table 5 New Features for Software Release 2.3(1)

Identifier	Description
CSCdv20298	NF:Time Conditional Routing.
CSCdv61269	NF:Country Code Prefix Per Trunk Group Capability.
CSCdw44755	NF:Support for IRI/ORI in Q.767.
CSCdw51218	NF:TYPE parameter added for MGC sessionset component.

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
 - April 2001 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 Network Elements

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



Note

Other network element software versions have not been tested and are not supported with this version.

Cisco PGW 2200 Release 9.3(2) including provisioning the following components:

- Signaling
- Trunk groups
- Trunks
- Routes
- Dial plans

Devices managed by the Cisco PGW 2200:

- Cisco Media Gateway (MGX) 8850
 - Voice Interworking Service Module (VISM) Release 2.1, 2.2, 3.0, and 3.1

For the Cisco Media Gateway, VSPT supports these provisioning tasks:

- Chassis provisioning tasks
- VISM provisioning tasks:
 - Initial VISM Configuration
 - Configuring the Operating Mode
 - Placing the VISM Card In Service
 - Configuring T1 and E1 Lines
 - Configuring the Clocking Source
 - Configuring the PXM1 Clocking Source
 - Configuring DS0 Channels
 - Configuring Bearer Processing
 - Configuring Codecs
 - Configuring ECAN
 - Configuring Jitter
 - Configuring Domain Names and IP Addresses
 - Setting Up Call Agents and Protocols
 - Configuring Gateway Control Protocols
 - Backhaul setup

Patch Procedure

The Cisco MNM-PT patch process is cumulative. Downloading and installing the latest patch installs all previous patches. In order for you to install a patch, the base Cisco MNM-PT 2.3(2) software must be installed. Use the following steps to install the desired patch.

-
- Step 1 Verify that the base Cisco MNM-PT 2.3(2) software is installed.
 - Step 2 Become the root user.
 - Step 3 Create a temporary installation directory.
 - Step 4 Download the patched software:
 - a. Go to www.cisco.com.
 - b. Log in.
 - c. Navigate to *Technical Support > Software Center > Products and Downloads > Network Management Software*. On this page find and click on *Cisco Voice Services Provisioning Tool*. You go to the patch download page.
 - d. Download the desired patch to the temporary installation directory.
 - Step 5 Untar the `dart_2_3_2-080403-932-patch-01.tar` file to a temporary directory.
 - Step 6 Execute the "patchCSCOvspt" script to install the VSPT 2.3(2) patch package.
 - Step 7 Follow the on-screen prompts.

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 `cs`h or `tc`sh:

```
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 alive 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:
 - 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

The following sections explain how to obtain documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following URL:

<http://www.cisco.com>

Translated documentation is available at the following URL:

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

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which is shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco product documentation from the Networking Products Marketplace:
http://www.cisco.com/cgi-bin/order/order_root.pl
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:
<http://www.cisco.com/go/subscription>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

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Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools by using the Cisco Technical Assistance Center (TAC) Web Site. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC Web Site.

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<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available through the Cisco TAC: the Cisco TAC Web Site and the Cisco TAC Escalation Center.

Inquiries to Cisco TAC are categorized according to the urgency of the issue:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Which Cisco TAC resource you choose is based on the priority of the problem and the conditions of service contracts, when applicable.

Cisco TAC Web Site

The Cisco TAC Web Site allows you to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC Web Site, go to the following URL:

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

All customers, partners, and resellers who have a valid Cisco services contract have complete access to the technical support resources on the Cisco TAC Web Site. The Cisco TAC Web Site requires a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to the following URL to register:

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

If you cannot resolve your technical issues by using the Cisco TAC Web Site, and you are a Cisco.com registered user, you can open a case online by using the TAC Case Open tool at the following URL:

<http://www.cisco.com/tac/caseopen>

If you have Internet access, it is recommended that you open P3 and P4 cases through the Cisco TAC Web Site.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses issues that are classified as priority level 1 or priority level 2; these classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer will automatically open a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to the following URL:

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

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled; for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). In addition, please have available your service agreement number and your product serial number.

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