Cisco Voice Services Provisioning Tool 2.7(3)

Cisco® Voice Services Provisioning Tool (VSPT) provides a GUI for the creation, modification, and execution of signaling connections, trunks, trunk groups, routes, and dial plans on the Cisco PGW 2200 Softswitch and the Cisco Billing and Measurements Server (BAMS).

Product Overview

Cisco VSPT provides an easy-to-use graphical tool to provision the Cisco PGW 2200 Softswitch and Cisco BAMS. Users can import existing configurations into Cisco VSPT for modification and then download the modified configurations to the same or different devices. Cisco VSPT can generate the initial network provisioning information in bulk for a newly installed node, creating iterative entries from a single operation. It also supports the provisioning of individual call parameters, simplifying the provisioning of large, live networks. To simplify operator tasks, such as trunk group provisioning, Cisco VSPT employs a user interface tailored for voice configuration. Cisco VSPT automatically generates the Man Machine Language (MML) scripts used to configure the network elements.

Key Features and Benefits

Table 1 lists the features and benefits of the Cisco VSPT.

Table 1.   Features and Benefits

Features	Benefits
Command GUI	Displays provisioning options on pop-up menus to reduce training and operator error
Syntax checking	Reduces errors from typos and incorrect data entry
Workflow wizards	Simplify the Cisco PGW 2200 provisioning process and workflow for inexperienced operators
Online/offline operation	Supports real-time incremental or bulk provisioning as well as offline bulk provisioning, reducing the need for constant access to the Cisco PGW 2200. Dial plan, trunk groups, and signaling links can be preprovisioned before hardware is available to reduce turn-up time.
Control features	Provides a convenient control area to activate or deactivate various components, as required, during provisioning operations
Script viewer	Scripts created by Cisco VSPT may be viewed and modified prior to transmission, helping ensure accuracy and consistency.
Incremental provisioning	Sends only those values actually changed, reducing overall configuration update time
Cisco BAMS and PGW 2200 configuration verification	Cisco VSPT checks to make sure the trunk groups configured on Cisco BAMS and PGW 2200 are aligned to help ensure accurate billing and measurement records.
Telnet/Secure Shell (SSH) Protocol cut-through	Provides a convenient way to log directly into PGW 2200 and BAMS securely
Integrated with Cisco Media Gateway Control (MGC) Node Manager	VSPT 2.7(3) is launched by MGC Node Manager and runs on the same Sun Server. It may also run without the MGC Node Manager on the PGW 2200 server; however, PGW performance impact is possible.

Product Architecture

Cisco VSPT is a Solaris application written in Java that uses an xterm standard workstation display. Cisco VSPT has no specific configuration database and requires very little administration. It always pulls the latest configuration and provisioning information from the Cisco PGW 2200 and BAMS to which it is connected. These configurations may be stored in Cisco VSPT for offline updating and later redeployed.

Managed Devices

Table 2 lists the devices that Cisco VSPT provisions.

Table 2.   Managed Devices

Cisco VSPT Version	Status	Cisco PGW 2200 Version Supported	Cisco BAMS Version Supported
1.6	End of life	7.4(11)	2.6(8)
2.1	End of life	9.1(5)	3.10
2.2	End of life	9.2	3.10
2.3(1)	End of life	9.3(1)	3.10
2.3(2)	End of sale	9.3(2)	3.10
2.4(1)	End of sale	9.4(1)	3.13
2.5(2)	End of sale	9.5(2)	3.13
2.6(1)	Available	9.6(1)	3.20
2.7(2)T	Limited availability	9.7(2)T	3.20
2.7(3)	Available	9.7(3)	3.30

Product Specifications

Table 3 lists the product specifications for Cisco VSPT 2.7(3).

Table 3.   Product Specifications

Specification	Description
Software compatibility	• Supports coresident operation with Cisco Media Gateway Control (MGC) Node Manager and Cisco PGW 2200 Softswitch • Tested compatible with Reflection X and Hummingbird Exceed X-Window emulation • Also works with VNC to reduce bandwidth requirements between the server and operator station
Protocols	FTP, SFTP, Telnet, Secure Shell (SSH) Protocol, Cisco PGW / BAMS MML
Components	Single .tar file included with Cisco MGC Node Manager 2.7(3) Media Kit
Connectivity	Cisco VSPT requires a TCP/IP network connection to the Cisco PGW 2200 and Cisco BAMS with no minimum requirement for bandwidth; however, bursting support for up to 256 Kbps is recommended. Connections with less than 128 Kbps may slow the provisioning process for fully loaded Cisco PGW 2200 configurations.
Function	Configuration management and infrastructure provisioning

System Capacity

Cisco VSPT connects with a single Cisco PGW 2200 or Cisco BAMS node at a time, so there are no capacity issues to consider. Multiple xterm operators may access Cisco VSPT simultaneously, which may increase the Sun platform requirement in order to maintain desirable operator response time.

System Requirements

The Sun hardware requirements for Cisco VSPT are as follows:

- Sun Solaris 8 or Solaris 10 operating system
- 300 MB available disk space
- 128 MB RAM minimum
- 128 MB minimum swap space

To Acquire the Software

Visit the Cisco.com VSPT download page to download Cisco Management Software for versions 2.6(1) and previous and all VSPT patches. VSPT 2.7(3) core software is now bundled with Cisco MGC Node Manager 2.7(3) and is no longer offered as a download from Cisco.com.

Service and Support

Cisco offers a wide range of services programs to accelerate customer success. These services programs are delivered through a combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco services help you to protect your network investment, optimize network operations, and prepare the network for new applications to extend network intelligence and the power of your business. Service and support for Cisco VSPT is included as part of the service and support contract on the Cisco PGW 2200 versions 9.6(1) and before. VSPT 2.7(3) is supported now as part of the Cisco MGC Node Manager service contract. For more information about Cisco services, see Cisco Technical Support Services or Cisco Advanced Services.

For More Information

For more information about Cisco Voice Services Provisioning Tool, visit http://www.cisco.com/en/US/products/sw/netmgtsw/ps2272/index.html.

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