



Installation Requirements

This chapter provides an overview of the installation prerequisites and requirements for installing Cisco PVM. This chapter contains the following topics:

- [Hardware and Software Prerequisites, page 2-1](#)
- [Installation Directory Space Requirement, page 2-3](#)

**Note**

Cisco PVM does *not* support distributed installs nor existing Oracle installations. Additionally, Cisco PVM runs on the 32-bit version of the Linux operating system.

Hardware and Software Prerequisites

Cisco PVM supports a maximum of 200 NAM-2 modules, which is approximately equivalent to 100 NAM-2s plus 300 NM-NAMs. The hardware requirements for Cisco PVM installations differ depending on the number of NAMs your system supports.

**Note**

The minimum hardware requirements are intended to support a maximum of five NAM-2 modules or equivalent.

[Table 2-1](#) shows the minimum requirements for servers.

Table 2-1 *Minimum Requirements for the Server*

Component	Requirement
Processor	Dual-core or quad-core processor, or a multi-processor setup with 3.4 GHz clock speed
System Memory	2 GB
Disk space (total)	79 GB (250 GB is recommended)
Hardware	Monitor, Network Card, Ethernet Card, Video Card, CD Drive, Keyboard, Mouse
Network Card	100 MB Ethernet

Table 2-1 Minimum Requirements for the Server (continued)

Component	Requirement
Operating System	<p>Red Hat Enterprise Linux Version 4 (inclusive), Red Hat Enterprise Linux Version 3 (with update 8 or higher), both with 32-bit architecture. The installer will terminate the installation if it detects Red Hat Enterprise Version 3 (update 7 or lower) or Red Hat Enterprise Linux Version 5 or higher. Linux Version 3 is available at: http://www.redhat.com/rhel/details/enterpriselinux3/.</p> <p>The PVM Report Engine specifically requires that the X-Window Virtual Frame Buffer (Xvfb) package be installed. This package is available in the X-Windows package bundle of all distributions of Red Hat; however in some versions this package is not automatically selected. The Xvfb package itself is available from multiple sources and is frequently distributed by Xorg at: http://www.x.org or XFree86 at: http://www.xfree86.org/. All other packages required by PVM are installed during the default Red Hat Enterprise Linux installation.</p>
Browser	Internet Explorer 6.0 with Java, JavaScript, and cookies enabled; Recommended: 6.0 SP2
PDF viewer	Adobe Acrobat Reader 6.01 or higher

Table 2-2 shows the minimum client machine requirements.

Table 2-2 Minimum Requirements for Client Machines

Component	Requirement
Operating System	Microsoft Windows 2000 or XP
Processor	Pentium 4
System Memory	256 MB
Display Setting—Color Palette	Microsoft Windows True Color
Browser	<p>Internet Explorer 6.0 with Java, JavaScript, and cookies enabled; Recommended: 6.0 SP2.</p> <p>Note: If you are running Windows 2000 and IE 6.0 SP1, verify that all available Microsoft updates are applied.</p>
PDF viewer	Adobe Reader 6.01 or higher

Table 2-3 shows the minimum network requirements.

Table 2-3 Minimum Network Requirements

Component	Requirement
LAN	<p>100 Mbps Fast Ethernet with the following ports open (open on the firewall) and available (not used by any other application or process):</p> <ul style="list-style-type: none"> • 161 (SNMP) • 162 (SNMP) • 1521 (Oracle) • 8000 (Actuate) • 8100 (Actuate) • 8443 (https) • 8700 (Actuate administration) • 8900 (Actuate) <p>Note Cisco PVM supports LDAP v2 and v3.</p> <p>Note The installer will issue a warning if port 8443 is not open, but will continue. The installation will terminate if any of the required ports are unavailable.</p>
Network Devices	Network devices must be configured for SNMP access. Firewall and access list restrictions must be appropriately configured.

**Note**

If the minimum installation requirements for the server are not met, Cisco PVM will not install properly. For details on storage requirements based on the number of NAMs you intend to support, see [Table 1-1 on page 1-3](#).

Installation Directory Space Requirement

The installation software will check to ensure that the specified installation directories have the recommended amount of free disk space available. [Table 2-4](#) provides a summary of the recommended minimum requirements for free disk space.

Table 2-4 Directory Space Requirements

Installation Directories	Recommended Space
PVM Install Directory	4 GB
Oracle Install Directory	4 GB
Temporary Storage (/tmp)	1 GB
Oracle Data Directory	70 GB

