



# CHAPTER 1

## Preparing for Sun Solaris Operating System and Cisco PGW 2200 Softswitch Software Installation

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This chapter provides checklists describing the required and optional components, software media, and information you must have on hand before installing the Cisco PGW 2200 Softswitch software and the Sun Solaris operating system:

- Cisco PGW 2200 Softswitch Software Release 9.7 and up, which requires the Sun Solaris Operating System 10



**Note**

The entire installation procedure takes approximately 2 hours to complete.

## Supported Platforms and Cisco Products

The following Cisco products are supported by this software:

- Cisco PGW 2200 (PSTN Gateway)
- Cisco Billing and Measurements Server (BAMS)
- Cisco H.323 Signaling Interface (HSI)

The platforms that are supported for these products are identified in the [Cisco PGW 2200 Softswitch Hardware Installation Guide](#).

## Solaris 10, Cisco PGW 2200 Softswitch 9.7 and Higher Software Release Preinstallation Checklists

Tables 1-1 through 1-4 list the required and optional tasks, information, and software media for installing the Solaris 10 operating system and the Cisco PGW 2200 Softswitch Software Release 9.7 and higher.

Before installing the Sun Solaris operating system, Solaris patches, and alarm card software, ensure that you collect the information and complete tasks listed in the following tables.

**Note**

The target machine must have a terminal connected to the console port by means of a serial cable.

## Required Software Media

Gather all of the appropriate software media listed in [Table 1-1](#). For more information, see the appropriate Sun documentation that shipped with your system.

**Table 1-1 Solaris 10 Required Media Checklist**

Media	Version
<p>The following CD-ROM disks are ordered from Cisco:</p> <ul style="list-style-type: none"> <li>• Cisco Solaris 10 Operating System Jumpstart Disk</li> </ul> <p>This disk installs the Sun Solaris 10 Operating System, configured specifically to support the Cisco PGW 2200 Softswitch software. There are three versions of this disk, one for Sparc-based platforms, the other two for Opteron-based platforms:</p> <ul style="list-style-type: none"> <li>– Cisco Solaris 10 Operating System Jumpstart Disk for Sparc-based platforms</li> <li>– Cisco Solaris 10 Operating System Jumpstart Disk for Opteron-based platforms</li> </ul>	<p>06/06</p> <p>01/06</p> <p>10/08<sup>1</sup></p>
<ul style="list-style-type: none"> <li>• Cisco Solaris 10 Operating Environment CD</li> </ul> <p>This disk contains the following packages:</p> <ul style="list-style-type: none"> <li>– CSCOh020 (MGC Security package)</li> <li>– CSCOh021 (Verification Test Suite scripts)</li> <li>– CSCOh022 (Solaris 10 patches for Sparc-based platforms)</li> <li>– CSCOh023 (DiskSuite installation scripts)</li> <li>– CSCOh024 (Log/Spool installation for Sparc-based platforms)</li> <li>– CSCOh026 (Xterm, ftp, ntp, and alarm software installation for Sparc-based platforms)</li> <li>– CSCOh032 (Solaris 10 patches for Opteron-based platforms)</li> <li>– CSCOh036 (Xterm, ftp, and ntp installation for Opteron-based platforms)</li> </ul>	<p>3.0(6)</p>

1. There are two versions of the Cisco Solaris 10 Operating System Jumpstart Disk for Opteron-based platforms. If you are installing the Sun Solaris 10 Operating System on an X4600 M2 Quad-core platform, use the 10/08 version (the latest version). If you are installing the Sun Solaris 10 Operating System on other Opteron-based platforms, use either the 10/08 version or the 01/06 version.

## Minimum System Requirements

Refer to the *Cisco PGW 2200 Softswitch Hardware Installation Guide* for the host minimum hardware requirements. Before using the minimum hardware configuration, consult your Cisco representative to determine the hardware that gives you the best performance results based on your network configuration, proposed traffic, and desired processing power.

## Required Site-Specific Information

Your system site administrator can provide the required site-specific information in [Table 1-2](#). Use the Notes column in this table to record the information. Several steps in the installation procedure in [Installing the Sun Solaris 10 Operating System](#) requires you to provide this information.

**Table 1-2** *Site-Specific Information*

Required Information	Notes
Subnet Mask (Example: 255.255.255.0)	
Default router (Example: 111.11.xxx.1)	
DNS server	
NTP server IP address	
Time zone (Example: United States (Eastern))	
Root password (Assigned by your system site administrator)	

## Required Machine-Specific Information

Your system site administrator can provide the information called for in [Table 1-3](#) as it applies to your target Sun Netra machine. Use the Notes column in this table to record the information. Several steps in the installation procedure require you to provide this information.

**Table 1-3** *Machine-Specific Checklist*

Information	Notes
Host name of target machine	
IP address of target machine	
Default router IP address	
Additional Ethernet IP address	
Subnet address for each additional Ethernet IP address	
Netmask address for each additional Ethernet IP address	

## Required Tasks

Before you begin installing the Solaris 10 operating system, perform the tasks listed in [Table 1-4](#).

**Table 1-4**      **Tasks Checklist**

Check	Tasks
	Make sure that the target machine is connected to a terminal by a serial cable inserted into the console port.
	Have your company's internal support and Cisco support contact information readily available so you can get help with the installation if needed. If you have questions or need assistance, see the <a href="#">“Obtaining Documentation and Submitting a Service Request”</a> section on page x.