



# CHAPTER 1

## Preparing for Sun Solaris Operating System and Cisco MGC Software Installation

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

- Cisco MGC Software Release 9.2(x) or higher, which requires the Sun Solaris Operating System 8

Or:

- Cisco MGC Software Release 9.1(5), which requires the Sun Solaris Operating System 2.6



**Note**

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The Cisco PGW 2200 PSTN Gateway (hereafter referred to as Cisco PGW 2200) is the new name for the Cisco VSC 3000 and the Cisco SC 2200. Some parts of this document may use these older names.

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**Note**

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The entire installation procedure takes approximately 2 hours to complete.

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## Supported Platforms and Cisco Products

### Software Release 9.2(x) or Higher

The following platforms are supported in the Cisco MGC 9.2(x) or higher software releases:

- Netra 240
- Netra 440
- Sun Fire V120
- Sun Fire V210
- Netra 120
- Netra 20
- Netra t 1120/1125
- Netra t 1400/1405
- Netra t 100/105

The following Cisco products are supported in this release:

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

## Software Release 9.1(5)

The following platforms are supported in the Cisco MGC software release 9.1(5):

- Netra t 100/105
- Netra t 1120/1125
- Netra t 1400/1405

# Solaris 8, Cisco MGC 9.2(x) and Higher Software Release Pre-Installation Checklists

The following tables list the required and optional tasks, information, software media for installing the Solaris 8 operating system and the Cisco MGC software.

Before installing the Sun Solaris operating system, Solaris patches and alarm card software, make sure the information and tasks listed in the following tables are collected and completed. These tables list the requirements for installing the Solaris 8 operating system and the Cisco MGC software.




**Note**

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

## Required Software Media

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

**Table 1-1** *Solaris 8 Required Media Checklist*

Media	Version
<p>The following CD-ROM disks are ordered from Sun:</p> <ul style="list-style-type: none"> <li>• Solaris 8 Software CD, Disk 1 of 2</li> </ul>	Release 2/04 ( <b>or</b> Release 2/02 <b>or</b> 10/01)
<p> <b>Note</b> The Netra 20 requires Solaris 8 Software Release 2/02 or later.</p> <p>The Sun Fire V210 and the Netra 240 and 440 require Solaris 8 Software Release 2/04 or later.</p>	
<ul style="list-style-type: none"> <li>• Solaris 8 Software CD, Disk 2 of 2,</li> </ul>	Release 2/04 ( <b>or</b> Release 2/02 <b>or</b> 10/01)

**Table 1-1** *Solaris 8 Required Media Checklist (continued)*

Media	Version
<ul style="list-style-type: none"> <li>Software Supplement for Solaris 8 Operating Environment CD</li> </ul>	Release 2/04 (or Release 2/02 or 10/01)
<p>The Solaris 8 Environment Patches for Cisco PGW, which is included in your installation packet (Media &amp; Install Doc Kit), contains the following:</p> <ul style="list-style-type: none"> <li>CSCOh016 (DiskSuite installation scripts)</li> <li>CSCOh015 (Solaris 8 patch cluster package)</li> <li>CSCOh013 (Security patch)</li> <li>CSCOh005 (Log/Spool package)</li> <li>CSCOh014 (Verification Test Suite package)</li> </ul>	

## Minimum System Requirements

For minimum system requirements, refer to the *Cisco Media Gateway Controller Hardware Installation Guide* for the host minimum hardware requirements. Before using the minimum hardware configuration, consult your Cisco representative to determine the hardware that will provide 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 listed in [Table 1-2](#). Use the Notes column in this table to record the information. Several steps in the installation procedure in [Chapter 2, “Sun Solaris 8 Operating System Installation”](#), will require you to provide this information, and references to your notes this table will be made.

**Table 1-2** *Site-specific Information*

Required Information	Notes
Netmask (Example: 123.123.123.0)	
Default Router (Example: 111.11.xxx.1)	
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 following information specific to your target Sun Netra machine listed in [Table 1-3](#). Use the Notes column in this table to record the information. Several steps in the installation procedure in [Chapter 2, “Sun Solaris 8 Operating System Installation”](#), will require you to provide this information, and references to your notes in this table will be made.

**Table 1-3 Required Information Checklist**

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

## Required Tasks

Before you begin installing the Solaris 8 Operating system, perform the tasks listed in [Table 1-4](#).

**Table 1-4 Required Tasks Checklist**

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, Obtaining Support, and Security Guidelines”</a> section on <a href="#">page xvii</a> .

## Solaris 2.6 and Cisco MGC 9.1(5) Pre-Installation Checklists

The following tables list the required and optional tasks, information, software media for installing the Solaris 2.6 operating system and the Cisco MGC Software Release 9.1(5).

Before installing the Sun Solaris 2.6 operating system, Solaris patches, alarm software, and Veritas Volume Manager software, make sure the information and tasks listed in the following tables are collected and completed. These tables list the requirements for installing the Solaris 2.6 operating system and the Cisco MGC Software Release 9.1(5).

## Required Software Media

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

**Table 1-5 Solaris 2.6 Required Media Checklist**

Media	Version	Part Number
Operating Environment Installation CD	September 1999	704-6914-10
Cisco MGC Installation CD		
One of the following Solaris Software CDs: <ul style="list-style-type: none"> <li>Solaris 2.6 software</li> <li>Solaris 2.5.1 software</li> <li>Sun StorEdge Volume Manager</li> </ul>	2.6	704-6220-10 704-6220-10 704-5949-10 704-6316-10
Netra t alarm card software (for Netra t 112x)	—	704-6330-10
Cisco PGW Solaris 2.6 Patch containing the following: <ul style="list-style-type: none"> <li>CSCOh007.pkg (Solaris 2.6 patch software)</li> <li>CSCOh013 (Security patch)</li> <li>CSCOh005.pkg (Log/Spool package)</li> <li>CSCOh006 (Veritas Installation)</li> <li>CSCOh012 (Hardware test package)</li> </ul>	—	80-5965-01

## Required Site-specific Information

Your system site administrator can provide the required site-specific information listed in [Table 1-2](#). Use the Notes column in this table to record the information. Several steps in the installation procedure will require you to provide this information, at which time references to this table will be made.

**Table 1-6 Site-specific Information**

Required Information	Notes
Netmask (Example: 123.123.123.0)	
Default Router (Example: 111.xx.xxx.x)	
Time Zone (Example: United States (Eastern))	
Root Password (Assigned by the lab administrator)	
Sun StorEdge Volume Manager Installation Software Key (Obtained from Sun Microsystems using the request form that is ordered with the target machine. A temporary key can be provided by the Sun service representative.)	

## Required Machine-specific Information

Your system site administrator can provide the following information specific to your target Sun Netra machine listed in [Table 1-3](#). Use the Notes column in this table to record the information. Several steps in the installation procedure in [Chapter 8, “Sun Solaris 2.6 Operating System Installation”](#), will require you to provide this information, at which time references to this table will be made.

**Table 1-7 Required Information Checklist**

Information	Notes
Host name of target machine	
IP address of target machine	
Default router IP address	
Second Ethernet IP address	

## Required Tasks

Before you begin installing the Sun Operating system, you must perform the tasks listed in [Table 1-8](#).

**Table 1-8 Required Tasks Checklist**

Tasks
Make sure that the target machine is connected to a terminal by a serial cable inserted into the console port.
If you do not have the Veritas Volume Manager license key, contact your Cisco or Sun Microsystems service representative to get a temporary 45-day key. Follow the instructions on the software license key request form to obtain a Volume Manager license key.
Make sure that you have the latest Solaris software packages—check CCO ( <a href="http://www.cisco.com/kobayashi/sw-center/sw-voice.shtml">http://www.cisco.com/kobayashi/sw-center/sw-voice.shtml</a> ) to ensure that you have the latest required patch version released by Cisco on your system, CD, or file system (if downloaded previously from CCO).
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, Obtaining Support, and Security Guidelines</a> ” section on <a href="#">page xvii</a> .

## Optional Components for Solaris 2.6 Installation

Obtain the optional components listed in [Table 1-9](#), depending upon the system options you are installing.

**Table 1-9**      **Optional Media Checklist**

<b>Media</b>	<b>Version</b>	<b>Part Number</b>
Sun StorEdge Volume Manager (referred to as Veritas Volume Manager in this guide)	3.1	
Sun StorEdge Volume Manager	2.6	704-6316-10

