

Installing the Sun Internet Mail Server

The Sun™ Internet Mail Server™ (SIMS) provides a mail solution for the service providers (SPs), enabling them to expand their service offerings from residential to business outsourcing. The SPARCengine Ultra AXmp motherboard is recommended for high-end users running Solaris Operating Environment™ software on a SPARC system.

Server and SPARCengine Ultra AXmp motherboard requirements are provided in the first portion of this module, and the installation procedures in the second portion explain how to install the SIMS 4.0 on a mail server. References to the [Sun Internet Mail Server 4.0 Concepts Guide](#) are given for other SIMS-related details not covered in this module.

Contents	Page
<i>Server Overview and Requirements Summary</i>	<i>3-2</i>
<i>Hardware Requirements</i>	<i>3-4</i>
<i>Installing SIMS 4.0</i>	<i>3-6</i>
<i>Installing SIMS Optional Features</i>	<i>3-15</i>
<i>Installing the Remote SIMS Administration Console</i>	<i>3-18</i>

Server Overview and Requirements Summary

With the use of the Internet and corporate intranets growing at a phenomenal pace, Internet Service Providers (ISPs) must position themselves for growth and agility to handle increasing numbers of subscribers, additional services, and more challenging workloads. Furthermore, in an industry where time-to-market and unprecedented levels of service, performance, and satisfaction define success, ISPs need to get up and running quickly.

ISP products and services are more than just low-cost high-performance scalable servers. Sun understands that the way these hardware solutions are deployed and integrated into an ISP platform is just as important as the servers themselves.

The ISP Messaging Solution

Dependable, cost-effective messaging systems are required to fulfill today's Internet standards. The combination of SIMS software running on scalable SPARCengine Ultra AXmp servers and the Solaris Operating Environment gives enterprises or ISPs the ability to configure messaging servers for extremely high levels of flexibility, reliability, and availability, providing cost-effective messaging systems to fulfill today's Internet standards.

With its wide ranging end-user access solutions, the power of SIMS is readily available—even to users who do not have email client software. SIMS software is designed and built for business-critical use. The client/server design and committed message transport of SIMS, combined with the proven reliability of Solaris Operating Environment software, delivers a truly robust mail system.

By enabling the deployment of a high-performance and reliable mail system, SIMS delivers key information services within a service-driven network.

The Importance of Sizing Messaging Server Environments

Scalability helps increase cost-effective use of computing resources, contributes to more efficient handling of peak workloads, and assists companies expand their computing environment, by addressing:

- System response to increased workloads.
- Ease of adding processors, CPUs, storage, and I/O resources to a system or network to serve increasing user demands.
- Environment support for growing applications, from low-end systems to mid-range servers and mainframe-class systems.

Server sizing is essential if the network environment is to operate at peak efficiency. Carefully analyzing the roles systems play, and considering usage loads and patterns, will assist ensure sufficient capacity exists for both short- and long-term growth.

Sizing Methodology

Before Internet businesses can determine how best to configure and utilize servers running the SIMS software in the ISP Messaging Solution, the computing environment must be analyzed to ensure it is sized appropriately. In particular, Internet businesses should:

- Determine the usage profile
- Define peak time
- Define the system load
- Measure system throughput
- Select an appropriate configuration
- Incorporate other server functionality sizing and make trade-offs with other non-performance related requirements such as RAS and cost issues
- Prototype to check assumptions GB 10,000 rpm UltraS

Determining Usage Profile

By utilizing a manageable solution that runs on a smaller number of servers, ISPs can control costs yet provide the performance and services customers demand by understanding typical usage profiles in order to lay a foundation on which server demands can be determined. Usage profile attributes, such as the number of users logged on to the system and the amount of work being performed, combine to specify the amount of stress placed on a messaging solution system. As the number of users increases, so does the traffic generated. The solution must support this load at a minimum. [TABLE 3-1 on page 3-3](#) identifies a typical usage profile.

TABLE 3-1 Typical ISP Usage Profile

	Profile
Percentage of Configured Users Logged On	5%
Percentage of Configured Mailboxes Containing Mail	20%
Average Number of Messages Per Populated Mailbox	5
Size of New Mail Messages	1 KB to 1 MB
Average Size of New Mail Messages	5 KB
Average Number of Messages Received Per Populated Mailbox Per Day	5
Average Number of Messages Sent Per Logged On Users Per Day	2

Determining Peak Time

To ensure the server handles peak loads well, Internet businesses must determine when the peak load will occur and for how long, whether that occurs for half an hour each morning and afternoon, or an hour in the middle of the day, or both. The system should be sized assuming the user load for the entire day will occur during this peak time. Once such patterns are analyzed and understood, choices can be made that help the system handle the load and provide the services users demand.

Normally, this experience indicates that a typical ISP peak period lasts two hours.

Defining System Load

Internet businesses need to determine their user load in order for any sizing analyses to be useful. The user load is defined as a mix of operations, including the number of users logged on to the system, the frequency of mail checks, and the amount of messages sent and retrieved. [TABLE 3-2 on page 3-4](#) defines a theoretical system load for varying population sizes.

TABLE 3-2 Typical ISP System Load for Various User Populations

	Total Size of Population				
	50,000	100,000	250,000	500,000	1,000,000
Number of Users Logged On During Peak	2500	5000	12,500	25,000	50,000
POP Checks/Second During Peak	4.17	8.33	20.83	41.67	83.33
Messages Downloaded/Second During Peak	1.74	3.47	8.68	17.36	34.72
Messages Delivered (SMTP) /Second Sent During Peak	0.69	1.39	3.47	6.94	13.89

Hardware Requirements

The section provides the SIMS server requirements and the SPARCengine Ultra AXmp Motherboard requirements.

Server Requirements

TABLE 3-3 on page 3-5 lists the SIMS requirements available on SPARC™ systems.

TABLE 3-3 SIMS 4.0 Requirements

Platform Requirements	
Platform	Operating System
SPARCengine Ultra AXmp motherboard	Sun™ Solaris™ SPARC 2.6 and 2.7

Refer to *TABLE 3-4 on page 3-6* for complete SPARCengine Ultra AXmp motherboard requirements.

CPU Requirements
Although the SIMS software can operate on any mail server with a single CPU, your mail server should be equipped with multiple CPUs to take advantage of the product's multi threaded capabilities and for improved performance

Disk Space/Storage Requirements	
Directory Path	SIMS Core Requirement
/opt	90 MB
/var	20 MB
/usr	10.5 MB

On the designated mail server, make sure you allocate adequate free space on the file system containing the directories listed here. This information does not account for Netscape Directory Services, Sun Web Access, or SDK. Use the `df` command to check for free disk space.

Swap Space Requirements
Although the minimum recommendation swap space is 128 megabytes, better performance can be achieved on systems with more swap space such as 192 megabytes. The recommended swap space is 2.5 times the computer's physical memory. The amount of swap space varies depending on the swap space needed for running other software on the server.

Memory Requirements	
Number of Users	Physical Memory for IMAP4 and POP3
100	IMAP4-178 MB; POP3-165 MB
500	IMAP4-375 MB; POP3-320 MB
1,000	IMAP4-622 MB; POP3-492 MB
5,000	IMAP4-2.6 GB; POP3-2.0 GB

The minimum required RAM is 64 megabytes.

Client Requirements	
Client	Requirement
Sun Web Access	HTML v3.2 compliant Graphical User Interface (GUI) Web browser which supports HTML frames and cookies

TABLE 3-3 SIMS 4.0 Requirements (*Continued*)

Refer to the [Sun Internet Mail Server 4.0 Concepts Guide](#) for descriptions of supported clients you could use with SIMS.

Sun Directory Services 3.1 Requirements

Sun Directory Services 3.1 requires the following system configurations:

- Solaris 2.6 for SPARC platforms.
- CD-ROM drive for software installation.
- 64 MB disk space and 64 MB memory.
- An X Window System window manager for using the graphical configuration and management tools.

SPARCengine Ultra AXmp Motherboard Requirements

[TABLE 3-4 on page 3-6](#) lists requirements for the SPARCengine Ultra AXmp motherboard.

TABLE 3-4 SPARCengine Ultra AXmp Hardware Configuration

Category	Product Description	Part Number
Baseboard	Sun Microsystems Microelectronics SPARCengine Ultra AXmp UltraSPARC Ili; 1-4 way	SEUAXMP SEUAXMP+
Memory	64MB min; 4GB* max in 2 banks; 16 slots	
SCSI Controller	SYMBIOS SYM53C876	
NIC	100MB per second	
Serial ports	2 async/sync serial ports	
Parallel port	Centronics compatible IEEE 1248 bi-directional; DB25	
Expansion	6 PCI expansion slots	
Floppy Controller	National Super I/O	
Processor Module	Multiprocessor 4 CPU's Ultra AXmp workserver 4x UltraSPARC Ili, 400 MHz	

*Note: You can have only 2GB maximum memory when booting the system (linux mem = 2048MB)

Installing SIMS 4.0

This section provides step-by-step instructions to install your Sun Internet Mail Server 4.0.

The installation steps are

1. Run the `setup` installation script
2. Select the optional features.
3. Specify the LDAP server information.
4. Specify the server configuration information.
5. Start the Setup script.

See “[Selecting SIMS Optional Features](#)” on page 3-8 to install SIMS optional and add on features on your existing SIMS system.

See the [Sun Internet Mail Server 4.0 Concepts Guide](#) for instructions on installing the SIMS High Availability system.

See the [Sun Internet Mail Server 4.0 Concepts Guide](#) for instructions to install NSDS with SIMS 4.0.

See the [Sun Internet Mail Server 4.0 Concepts Guide](#) for instructions to install NSDS with the SIMS High Availability system 4.0.

Note – SIMS installation log files are located in `/var/opt/SUNWmail/log/SIMS_installation_log.n` after installation is complete, and are in `/tmp` while installation is in progress.

Running the Installation Script

1. **Log in as a non-root user.**
2. **Ensure you have set the `DISPLAY` variable.**
3. **Insert the SIMS CD-ROM into the disk drive.**
Make sure your CD is mounted to the `/cdrom` directory.
4. **Change to the SIMS product directory.**

```
% cd /cdrom/sun_internet_mail_4_0
```
5. **Run the setup script from the software CD-ROM as non-root.**

```
% setup
```

This launches a web browser and displays the first page of the SIMS 4.0 installation interface, as shown in [FIGURE 3-1 on page 3-8](#).



FIGURE 3-1 SIMS 4.0 Installation Top Page

Note – Running `setup` cleans up the `/tmp` directory.

- 6. After reviewing the information pages, click `Install` to install the SIMS 4.0 core and optional features.**

Now you are ready to select the SIMS optional features.

Selecting SIMS Optional Features

After starting the installation process, select the SIMS optional components you can add to your SIMS server, as shown in [FIGURE 3-2 on page 3-8](#).



FIGURE 3-2 SIMS Optional Features

- **Select the SIMS optional features you wish to add to your SIMS server.**

If you don't select any options, only the SIMS core components are installed.

Specifying the LDAP Server Configuration

1. **Click `Apply` to go to the Directory Services Information page, as shown in [FIGURE 3-3 on page 3-9](#).**

Directory Services Information

Directory Services Server Name – Enter the name of the directory services server. Use the fully-qualified name of the SIMS Server.

LDAP Server Name:

Directory Services Server Port – Enter the port number used by the LDAP server.

LDAP Server Port:

Directory Services Server Type – Enter the type of Directory Server you will use.

Netscape Directory Server 4.x is the preferred directory server for use with SIMS 4.0 in the SPARC/Solaris Operating Environment. Select the directory server type in the pull-down menu below. If you select the Netscape Directory Server, you must 1) install the directory server, 2) add the SIMS schema and indexes to the directory server, and 3) start the directory server before continuing with the SIMS installation.

For more information about setting up and installing the Netscape Directory Server with SIMS, refer to the SIMS Installation Guide Appendix.

Directory Server Type:

FIGURE 3-3 Directory Information Page

2. **Enter the required information on the Directory Services Information page.**

Directory Services Server Name—The fully qualified domain name of the server on which the LDAP directory services are available; that is, either the Netscape Directory Services (NSDS) or the Sun Directory Services (SunDS).

Directory Services Server Port—The port number the LDAP server uses. For NSDS, this is the port number you used during the NSDS installation.

Note – If you would like your SIMS server to use a remote LDAP server (rather than the local LDAP server), you must specify the fully qualified domain name (FQDN) and the port number of the remote LDAP server as the Directory Services Server Name and the Directory Services Server Port number here. Be sure your LDAP server is configured and running before you click `Apply`.

Note – If the local NSDS LDAP server, the remote NSDS, or the remote SunDS are not configured with the SIMS 4.0 schema, a warning displays at the top of the screen. Although you may choose to click **APPLY** and continue the installation, you must manually perform certain configurations, as covered in the [Sun Internet Mail Server 4.0 Concepts Guide](#).

Directory Services Type—The directory services of your choice: Netscape Directory Services or Sun Directory Services. The Netscape Directory Services is the preferred directory service to use with SIMS 4.0.

Now you are ready to specify the server configuration.

Specifying the Server Configuration

After entering the LDAP information, you will specify your SIMS server configuration. [FIGURE 3-4 on page 3-11](#) shows the first page of the two server configuration pages.

Configuration Page 1

Mail Server Domain Name Suffix – Enter the mail server's DNS domain suffix. (eg. org.widget.com)

Domain Name Suffix:

Organization Top Level Domain Name Suffix – Enter the highest level DNS domain name suffix used for a particular organization. (eg. widget.com)

Top Level Domain:

Postmaster User ID – This is the Solaris user ID that owns most of the files that make up this mail server. Most of this mail server is operated under the permissions of this user ID. And it is this user ID that receives email notifications of transmission and delivery failures. The default value is 'inetmail'. This user ID will be created if it does not exist.

Postmaster User ID:

Directory Administrator Name – Enter the Directory Administrator's name. This name is needed to configure the directory server once installation is complete.

Directory Admin Name:

Directory Administrator Password – Enter the Directory Administrator's password. The default is 'secret'. The Directory Administrator's password is needed to configure the directory once installation is complete.

Directory Admin Password:

Re-enter Directory Admin Password:

SIMS Administrator Name – Enter the SIMS Administrator's name. This name is needed to configure the mail server using the Administration Console (GUI interface) once installation is complete.

SIMS Admin Name:

SIMS Administrator Password – Enter the SIMS Administrator's password. The default is 'secret'. The SIMS Administrator's password is needed to configure the mail server using the Administration Console once installation is complete.

SIMS Admin Password:

Re-enter SIMS Admin Password:

Domain component tree root – Enter the root for the DC tree. This name is used as the root node for the Domain Component tree in the directory. The default value is 'Internet'. The DN of the default root node will be 'o=Internet'.

Domain Component tree root:

Delegated Management Server – This is hostname of the machine the Delegated Management Server is running on.

Delegated Management Server:

Firewall Location – Is this mail server behind a firewall?

Yes: This mail server is behind a firewall.

No: This mail server is either in front of a firewall machine, on the firewall machine, there is no firewall machine, or you do not want to be able to route mail through a firewall.

VAR Mail Support – Do you want the IMAP4 and POP3 servers to be able to open traditional UNIX /var/mail/mailbox files? This is recommended only for sites where users regularly switch back and forth between /var/mail clients (like Mailtool) and IMAP4/POP3 clients.

FIGURE 3-4 Configuration Page 1

1. Enter the values in the first SIMS configuration page.

You may accept the default configuration values if they meet the requirements of your mail server.

Mail Server Domain Name Suffix—The domain name of the mail server on which SIMS is being installed. For example, if this server resides in the `stream` domain at the site `bridge`, then specify `stream.bridge.net` in this field. This parameter has no default value. However, if installation can determine the domain name from `resolv.conf`, this value is automatically supplied. This value can be the same as the Organization Top-Level Domain Name field.

Note – SIMS 4.0 checks for a fully qualified domain name and will display error messages, depending on the results. See the [Sun Internet Mail Server 4.0 Concepts Guide](#) for more information on configuring DNS setup.

Organization Top-Level Domain Name Suffix—The highest-level domain name used within your organization. For example, the top-level domain name for an SP provider could be `bridge.net`. This value can be the same as the Mail Server Domain Name.

Postmaster User ID—The Solaris™ user listed in this field has permission to run all SIMS commands, programs, and `start` or `stop` daemons on the mail server. You will need this postmaster name to administer the mail server after installing SIMS. By default, the installation assigns `inetmail` as the postmaster (the reserved user ID 72). Your input in this field should not exceed 64 characters. Although it is recommended you use `inetmail`, you can change the default user name during the installation. You do not need to provide a password. However, the first time the postmaster logs into the mail server, the postmaster will be prompted for a new password before being able to execute any SIMS commands on the mail server.

Directory Administrator Name—The user name of the directory server administrator. The default name is `Directory Manager` for NSDS and `admin` for SunDS. After the installation is complete, the administrator can use the SIMS Administration Console to configure the directory server. Your input in this field should not exceed 64 characters. The name you provide in this field is logged in the directory configuration file so the administrator always has access to the directory. This enables the administrator to solve problems associated with access control.

Directory Administrator Password—The password for the directory server administrator. The default password is `secret` for SunDS. For NSDS, enter the password you provided for the `Directory Manger`. Once the installation is complete, the Directory Administrator's password is needed to configure the

directory server using the SIMS Administration Console. The password you provide in this field is logged in the directory configuration file. By default, this password is stored encrypted.

SIMS Administrator Name—The user name for the site SIMS Administrator who administers the SIMS server, including performing delegated management tasks. The SIMS Administrator is a real user in the directory and has been granted access to the entire LDAP directory through special Access Control Lists (ACLs).

SIMS Administrator Password—The password associated with the SIMS administrator. The default password is `secret`.

Domain Component Tree Root—The node name for the root of the Domain Component (DC) tree for which SIMS is installed. The default is `internet`. This causes the DC tree to be rooted at the node `o=internet`. See the *Sun Internet Mail Server 4.0 Concepts Guide* for more information on the DC tree structure for SIMS 4.0.

Delegated Management Server—The fully-qualified domain name (FQDN) of the Delegated Management server from which all requests from the hosted domains are accessed.

Firewall Location—Click the button that best indicates the location of your mail server in relationship to your company's firewall machine. The firewall controls access between the Internet and your company's internal network.

No—Indicates your mail server is on or outside the firewall, or if your company has no firewall.

Yes—Indicates your mail server is behind a firewall. You are prompted to specify the name of the smart host, which is the machine with more routing information and capabilities than your mail server.

Smart Host—If you chose to put your mail server behind a firewall, you must enter the fully-qualified host name of the machine that has the routing information about your mail server. If your mail server cannot route mail to a recipient's address, it forwards the message to its smart host.

A smart host usually knows how to route messages through your company's firewall. Without routing information, the mail server cannot forward messages outside the firewall. It may be able to communicate only with machines in its own domain, specified domains, or with its peers. In small companies, the smart host may also serve as the firewall machine, providing a communication link between the company and the outside mail community. If neither the smart host nor the firewall machine can route a recipient's address, they return the message to the sender with a non delivery notice.

VAR Mail Support— Click the button that best indicates your company's plans for this mail server. SIMS supports both `/var/mail` and Sun Message Store users. Sun Message Store running under the user id `inetmail` is more secure than `/var/mail` running as root. Refer to the *Sun Internet Mail Server 4.0 Administrator's Guide* for migration instructions.

Note – /var/mail/ is supported only for the default domain and not for the hosted domains.

2. Click **Apply** to invoke the second page of the configuration pages.
Your input in the form fields is saved to a file and the next configuration page displays.
3. Enter information on the Configuration Page 2, shown in the illustration in [FIGURE 3-5 on page 3-14](#).

The screenshot shows a web form titled "Configuration Page 2". It contains several labeled input fields with instructions:

- Organization Long Name** – Enter the full name for your organization. (e: Widgets Electronics, Inc)
Full Name:
- Postal Address** – The postal address of the system administrator responsible for this server.
Postal Address:
- City Name** – The city or town in which this server resides.
City Name:
- State/Province** – The state or province in which this server resides.
State/Province:
- Telephone Number** – The telephone number of the system administrator responsible for this server.
Telephone Number:
- Fax Number** – The fax number of the system administrator responsible for this server.
Fax Number:

At the bottom of the form are two buttons: "Reset" and "Apply".

FIGURE 3-5 Configuration Page 2

Your input in this form is optional.

Organization Long Name—Enter your full company name.

Postal Address—Enter the street address of the individual who administers this mail server.

City Name—Enter the city name in which your mail server resides. Your input should not exceed 128 characters.

State/Province—Enter the state name in which your mail server resides. Your input should not exceed 128 characters.

Telephone Number—Enter the telephone number of the individual administering this mail server.

Fax Number—Enter the fax number of the individual who administers this mail server.

4. Click **Apply** to invoke the Configuration Summary page.
This page shows the configuration you specified for your SIMS system.

Now you are ready to run the setup installation.

Running the Setup Installation

After selecting SIMS optional components and specifying configurations for both core and optional components, you are now ready to begin installing SIMS 4.0.

- 1. Click `start install` in the Configuration Summary page if the information you provided in all the forms is accurate.**

If the command tool is not invoked automatically, verify your `DISPLAY` variable is set correctly. You must restart the software. If the command tool is not available, an error message displays. Check the path to the command tool or your operating system setup.
- 2. Enter the root password at the password prompt.**
- 3. Enter the SIMS Postmaster's password.**

You may not see the screen to enter your password during your installation session. This screen appears only if the user `inetmail` does not exist on your system.

Look for any warnings or error messages that may display as the installation proceeds.
- 4. Press `Enter` to exit the command tool window when prompted.**

The Installation Summary page displays.
- 5. Select `Exit` from the browser File menu to quit the installation sequence.**

You have now successfully installed SIMS 4.0.
- 6. If you have installed any patches during the installation, reboot your system now. Otherwise, go directly to Step 7.**

```
# sync; sync; init 6
```
- 7. If you choose to reboot your system later, start the mail server.**

```
# /etc/init.d/im.server start
```

See the [Sun Internet Mail Server 4.0 Concepts Guide](#) for information on post-installation configurations and tasks.

Installing SIMS Optional Features

The following are SIMS 4.0 optional features you may choose to add to your SIMS core server. Additionally, you can install these features as standalone components on servers where SIMS is not installed.

- Sun Web Access
- Message Transfer Agent SDK

- SIMS 4.0 Documentation Set
- Remote Administration Console

See Chapter 5, “SIMS Architecture,” in the *Sun Internet Mail Server 4.0 Concepts Guide* for overviews of each components of SIMS.

To install SIMS optional features

1. **Follow steps 1 through 6 in “[Running the Installation Script](#)” on page 3-7 under the heading “[Installing SIMS 4.0](#)” on page 3-6.**

The Optional Features Installation page displays, as shown in [FIGURE 3-6 on page 3-16](#).



FIGURE 3-6 SIMS Optional and Add On Features

2. **Select the SIMS optional feature you wish to add to your SIMS server or install as an standalone component.**
3. **Click `Apply` to invoke the Directory Services Information page.**
4. **Follow the steps in “[Specifying the LDAP Server Configuration](#)” on page 3-9 under the heading “[Installing SIMS 4.0](#)” on page 3-6.**
5. **Click `Apply` to invoke the Configuration Page 1.**

The Configuration Page 1 for the SIMS optional features is shown in [FIGURE 3-7 on page 3-17](#).

Directory Services Information

Directory Services Server Name – Enter the name of the directory services server. Use the fully-qualified name of the SIMS Server.

LDAP Server Name:

Directory Services Server Port – Enter the port number used by the LDAP server.

LDAP Server Port:

Directory Services Server Type – Enter the type of Directory Server you will use.

Netscape Directory Server 4.x is the preferred directory server for use with SIMS 4.0 in the SPARC/Solaris Operating Environment. Select the directory server type in the pull-down menu below. If you select the Netscape Directory Server, you must 1) install the directory server, 2) add the SIMS schema and indexes to the directory server, and 3) start the directory server before continuing with the SIMS installation.

For more information about setting up and installing the Netscape Directory Server with SIMS, refer to the SIMS Installation Guide Appendix

Directory Server Type:

FIGURE 3-7 Configuration Page 1 Screen for SIMS Optional Features

6. Specify the server configuration on which the optional or standalone component will be installed.

Mail Server Domain Name Suffix—The domain name of the mail server on which the optional feature or standalone component is being installed. For example, if this server resides in the `stream` domain at the site `bridge`, then specify `stream.bridge.net` in this field. This parameter has no default value. However, if installation can determine the domain name from `resolv.conf`, this value is automatically supplied. This value can be the same as the Organization Top-Level Domain Name field.

Organization Top-Level Domain Name Suffix—The highest-level domain name used within your organization. For example, the top-level domain name for an SP provider could be `bridge.net`. This value can be the same as the Mail Server Domain Name.

Postmaster User ID—The Solaris™ user listed in this field has permission to run all SIMS commands, programs, and start or stop daemons on the mail server. You will need this postmaster name to administer the mail server after installing SIMS. By default, the installation assigns `inetmail` as the postmaster (the reserved user ID 72). Your input in this field should not exceed 64 characters. Although it is recommended you use `inetmail`, you can change the default user name during the installation. You do not need to provide a

password. However, the first time the postmaster logs into the mail server, the postmaster is prompted for a new password before being able to execute any SIMS commands on the mail server.

Domain Component Tree Root—The node name for the root of the Domain Component (DC) tree for the server on which SIMS optional features or standalone components are being installed. The default is `internet`. This causes the DC tree to be rooted at the node `o=internet`. See the *Sun Internet Mail Server Concepts Guide* for more information on the DC tree structure for SIMS 4.0.

7. Click `Apply` to invoke the Configuration Summary page.
8. Follow the steps in *“Running the Setup Installation”* on page 3-15 under the heading *“Installing SIMS 4.0”* on page 3-6.

Installing the Remote SIMS Administration Console

You can administer the SIMS product from either Microsoft Windows 95, Windows NT 4.0, or Solaris™ systems.

Note – It is recommended you do not run the SIMS Administration console on a dual boot machine running *both* Windows 95 and Windows NT. The console will experience a `NullPointerException` error, which causes problems loading the main page.

Installing on Windows 95 or Windows NT 4.0

1. **Insert the SIMS 4.0 CD-ROM into the CD-ROM drive.**

The CD-ROM Autoplay starts, displaying two options: View README and Install. If the Autoplay screen does not appear after a few seconds, continue with step 3 below.
2. **Click the `Install` button.**
3. **Click the `Start` button.**
4. **Click the `Run` button.**
5. **Run the `setup` script.**

```
< cdrom_drive_letter>:\win35\setup.exe
```

Running the `setup` script begins the installation program.

Installing on Solaris™ Systems

1. Follow steps 1 through 6 in *“Running the Setup Installation” on page 3-15* under the heading *“Installing SIMS 4.0” on page 3-6*.

This starts the SIMS GUI Installation `setup` script as a non-root user.

2. Click `Install`.

The IMS Optional Features Screen displays, as shown in *FIGURE 3-8 on page 3-19*.

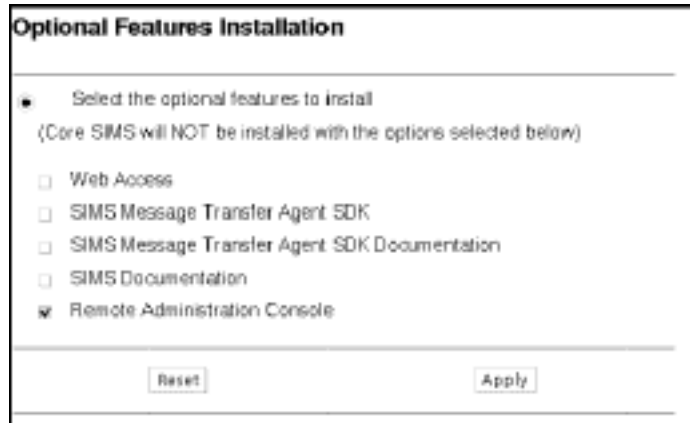


FIGURE 3-8 SIMS Optional Features Screen

3. Select the Remote Administration Console feature.
4. Click `Apply`.

The Summary page displays, as shown in *FIGURE 3-9 on page 3-19*.



FIGURE 3-9 Remote Administration Console Configuration Summary Page

5. Click `start Install` by following the steps 14 through 20 in *“Running the Setup Installation” on page 3-15* under the heading *“Installing SIMS 4.0” on page 3-6*.

