



Sun Java™ System

Sun Java System Portal Server 6 Enterprise Sample Portal 1.1 Installation Guide

2005Q4

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About This Guide

This guide explains how to install the Sun Java™ System Portal Server 6 Enterprise Sample Portal version 1.1 and its required software components that are provided with Sun Java Portal Server.

The Enterprise Sample Portal business portal is a separately installable sample that demonstrates additional features of the Sun Java Portal Server front-end service that are not available through the default Sample Portal. The Enterprise Sample Portal reflects the business functions and daily operations of the fictitious company, Adventure Sports Café, and reflects the manner in which typical employees would interact with the system.

This preface includes the following sections:

- Who Should Read This Book
- What You Need to Know
- How This Book is Organized
- Document Conventions Used in This Guide
- Accessing Sun Documentation Online
- Where to Find This Guide Online

Who Should Read This Book

You should read this book if you are responsible for installing the Enterprise Sample Portal.

What You Need to Know

You must be familiar with the following Sun Java Enterprise System products if you intend to configure them to use the sample data for Adventure Sports Café (which is required to enable the use of the Communication channel in the Enterprise Sample Portal):

- Sun Java™ System Directory Server
- Sun Java™ System Access Manager
- Sun Java™ System Delegated Administrator
- Sun Java™ System Messaging Server
- Sun Java™ System Instant Messaging
- Sun Java™ System Calendar Server

This book assumes you have a basic understanding of the Solaris™ Operating System and UNIX command-line utilities and administrative tasks.

How This Book is Organized

This book contains the following chapters:

- About This Guide (this chapter)
- Chapter 1, “Install the Enterprise Sample Portal”

This chapter provides instructions for installing (and uninstalling) the Enterprise Sample Portal software, and for accessing the Enterprise Sample Portal after installation. This chapter also includes instructions for configuring the optional Communication channels to use the Adventure Sports Café sample data (assuming that the steps in Chapter 2 have been completed).

- Chapter 2, “Install and Configure Communication Services”

This chapter discusses the requirements and dependencies to preconfigure Sun Java[SM] Communication Services available as part of the Sun Java Enterprise System installation to support their use through the optional Communication channels in the Enterprise Sample Portal.

Document Conventions Used in This Guide

Monospaced Font

Monospaced font is used for any text that appears on the computer screen or text that you should type. It is also used for file names, distinguished names, functions, and examples.

Bold Monospaced Font

All paths specified in this manual are in Unix format. If you are using a Windows NT-based Portal Server, you should assume the Windows NT equivalent file paths whenever Unix file paths are shown in this book.

bold monospaced font is used to represent text within a code example that you should type.

Italicized Font

Italicized font is used to represent text that you enter using information that is unique to your installation (for example, variables). It is used for server paths and names and account IDs.

Command-Line Prompts

Command-line prompts (for example, % for a C-Shell, or \$ for a Korn or Bourne shell) are not displayed in the examples. Depending on which operating system environment you are using, you will see a variety of different command-line prompts. However, you should enter the command as it appears in the document unless specifically noted otherwise.

Variables

Table 1 is a two column table that describes the common variables used in this document. The first column lists the variables, and the second column provides a description of how the variables are used.

Table 1 Common Variables

Variable	Description
<i>/sample-portal-install-root/</i>	The Enterprise Sample Portal installation directory. For example, /opt
<i>/web-server-install-root/</i>	The Web server installation directory. For example: <ul style="list-style-type: none"> • Sun Java™ System Web Server: /opt/SunWwbsvr • Sun Java™ System Application Server: /opt/SUNWappserver • BEA WebLogic Server 8.1 sp2: /opt/BEA/wlserver8.1 • IBM WebSphere Application Server: /opt/WebSphere/AppServer
<i>/directory-server-install-root/</i>	The Directory Server installation directory. For example, /var/opt/mps/serverroot/
<i>/app-server-install-root/</i>	The Application Server installation directory. For example, /var/opt/SUNWappserver7/
<i>/calendar-server-install-root/</i>	The Calendar Server installation directory. For example, /opt/SUNWics5/cal/
<i>/access-server-install-root/</i>	The Access Manager installation directory. For example, /opt/SUNWam/
<i>/im-server-install-root/</i>	The Instant Messaging Server installation directory. For example, /opt/SUNWiim/
<i>/msg-server-install-root/</i>	The Messaging Server installation directory. For example, /opt/SUNWmsgsr/
<i>/un-util-install-root/</i>	The Delegated Administrator installation directory. For example, /opt/SUNWcomm/
<i>/UserID/</i>	User identification. For example, root or nobody

Accessing Sun Documentation Online

Portal Server comes with supplementary information for administrators as well as documentation for developers. Use the following URL to see all the Portal Server documentation:

<http://docs.sun.com/db/coll/1293.1>.

Listed below are the additional documents released with the Portal Server 6 documentation suite:

- *Sun Java™ System Portal Server 6 2005Q4 Release Notes*

- *Sun Java™ System Portal Server 6 2005Q4 Administration Guide*
- *Sun Java™ System Portal Server 6 2005Q4 Desktop Customization Guide*
- *Sun Java™ System Portal Server 6 2005Q4 Developer's Guide*
- *Sun Java™ System Portal Server 6 2005Q4 Deployment Planning Guide*
- *Technical Note: Getting Started with Enterprise Sample Portal 1.1 2005Q4*

Install the Enterprise Sample Portal

Overview

Installation of the Enterprise Sample Portal can be completed in stages:

- Install the Enterprise Sample Portal by running its installation script (as explained in “Install the Enterprise Sample Portal” on page 3).
- If you want to include the Communications tab on the My Portal page in the Enterprise Sample Portal, configure Communication Services for hosted domain support for the Enterprise Sample Portal (as explained in Chapter 2, “Install and Configure Communication Services”).
- Load and populate Sun Java[SM] Systems Communication Services data for the Enterprise Sample Portal by running the setup script again and choosing to configure communication channels (as explained in “Configure Communication Channels” on page 7).

Installation Prerequisites

Before installing the Enterprise Sample Portal, ensure that the following software is installed and running:

- Sun Java™ System Portal Server
- Sun Java™ System Directory Server
- Sun Java™ System Application Server
- Sun Java™ System Access Manager

The Enterprise Sample Portal requires that all Sun Java System products (with the possible exception of the Directory Server) reside on the same machine. The Directory Server can reside either on the same machine or on a separate machine.

NOTE The examples in this chapter use the following fictitious specifications:

- **Host name:** `company22.example.com`.
- **Base DN or root suffix (for the Directory Server):** `dc=example, dc=com`
- **Organization DN (for the Delegated Administrator):** `o=company22.example.com`

Wherever you see these specifications in responses to prompts or in command lines, substitute the corresponding values that are appropriate for your installation.

Download the Enterprise Sample Portal

The Enterprise Sample Portal requires that all Sun Java System products (with the possible exception of the Directory Server) reside on the same machine. The Directory Server can reside either on the same host or on a separate host.

1. Download the Enterprise Sample Portal version 1.1 from:

<http://www.sun.com/download/products.xml?id=42b76ac9>

You can also download the *Sun Java System Portal Server 6 Enterprise Sample Portal 1.1 Installation Guide* from:

<http://docs.sun.com/source/817-7621/index.html>

2. unzip the `enterprise_sample` file.

For example:

```
unzip enterprise_sample.zip
```

3. Run the setup program.

```
./setup
```

4. Select `Install Enterprise Sample Portal` when the application offers the following options:

1) `Install Enterprise Sample`

2) `Quit`

Install the Enterprise Sample Portal

Before installing the Enterprise Sample Portal, have your passwords and user names handy. Refer to the Prompt and Response information for the components below.

When you run the Enterprise Sample Portal setup script prior to installation, and after you accept the license agreement, the script displays the following:

```
Welcome to the Sun Java System Portal Server
Enterprise Sample Installer
The logfile for the installer:
system_log_dir/Sun_Java_System_Portal_Enterprise_Sample_install.log_id
```

Please select one of the following options:

- 1) Install Enterprise Sample
- 2) Quit

1. Select option 1 to install the Enterprise Sample Portal.
2. Provide General Setup information by responding to the prompts:

Prompt	Response
Access Manager administrative password	<i>password</i>
Access Manager internal LDAP user password	<i>password</i>
Directory Manager password	<i>password</i>
Web Container administrative password	<i>password</i>
Organization to create?	[adventuresportscafe.com]

NOTE If the organization exists, the setup script notifies you and asks you to enter a different organization name.

3. Specify General Settings information or accept the default values.

General Settings

Prompt	Response
Directory server host	company22.example.com
Directory server port	389
Access Manager host	company22.example.com
Access Manager port	80
Organization naming attribute	o
User naming attribute	<i>uid</i>
People container	ou=People
Role naming attribute	cn
Accept defaults?	[y]

4. Provide Portal Setup information or accept the default values.

Portal Setup

Prompt	Response
Desktop Default Channel Name	WirelessDesktopDispatcher
Default Authentication-less uid	uid=authlessanonymous,ou=People,dc=example,dc=com
Accept defaults?	[y]

5. Review the installation information for details pertaining to the modifications that will be made to the system.

Installation Information

Please be advised that modifications will occur on this system.

The organization adventuresportsafe.com will be created and it

will be configured with the following:

Services

- * Access Manager Configuration
 - Administration
 - Authentication
 - + Core
 - + Membership
 - Policy Configuration
 - User
- * Portal Server Configuration
 - Portal Desktop
 - SSO Adapter

Roles

- * AustraliaExpansionRole
- * NewCustomerToursRole

Users

- * Chris Content-Editor (chris/ascsample) is a member of the role AustraliaExpansionRole
- * Ed Employee (ed/ascsample) is a member of the role NewCustomerToursRole
- * Mary Manager (mary/ascsample) is a member of the roles AustraliaExpansionRole and NewCustomerToursRole

Portal Desktop

- * the default Channel name is ASCTabContainer
- * templates for the desktop are found under
/etc/opt/SUNWps/desktop/asc

6. Answer y to start the installation:

Start installation? [y]

When the installation is complete, the setup script displays instructions for accessing the Welcome Page for the Enterprise Sample Portal. For details, see “Access the Enterprise Sample Portal Welcome Page” on page 13.

Configure Communication Channels

After the Enterprise Sample Portal has been installed, you can rerun the setup script to configure support in the Enterprise Sample Portal for the following Communication channels:

- Mail
- Tasks
- Address Book
- Calendar
- Instant Messaging

You can run the Configure Communication Channels option as often as required.

Before configuring support for the Communication channels, you must ensure that the required Sun Java Enterprise Server components are installed and configured with the Adventure Sports Café sample data (as described in Chapter 2, “Install and Configure Communication Services”).

1. After the Enterprise Sample Portal is installed, the setup script presents the following options (note the addition of the Configure Communication Channels option):

```
Welcome to the Sun Java System Portal Server
Enterprise Sample Installer
2005Q4
Please select one of the following options:

1) Uninstall Enterprise Sample
2) Configure Communication Channels
3) Quit
```

2. To configure communication channels, select option 2.

3. Provide Messaging and Calendar Privileges information or accept the default values:

Messaging and Calendar Privileges

The installer has detected that the organization, adventuresportscafe.com, has not been granted Messaging and Calendar privileges.

The User Management Utility (commadmin) is used to grant privileges, please specify the following settings:.

Prompt	Response
Directory server host	company22.example.com
Directory server port	389
Access Manager host	company22.example.com
Access Manager port	80
Organization naming attribute	o
User naming attribute	<i>uid</i>
People container	ou=People
Role naming attribute	cn
Accept defaults?	[y]
Sample portal organization name	adventuresportscafe.com
Messaging server host	company22.example.com
Delegated Administrator admin	admin
Delegated Administrator admin domain :	example.com
Accept defaults?	[y]
What is the Delegated Administrator admin password?	admin

At this point, the setup script grants mail and calendar privileges to the Enterprise Sample Portal organization, adventuresportscafe.com. The script displays the following:

```
Enabling Mail and Calendar privileges for organization
```

```
OK
```

```
OK
```

NOTE If you have previously run the Communication Channels Configuration option, then the script output states that privileges have been detected. For example:

```
Messaging and Calendar Privileges
```

```
-----
```

```
The installer has detected that the organization, adventuresportscafe.com, has been granted Messaging and Calendar privileges. Please verify that the following information is correct.
```

4. Provide General Questions information or accept the default values:

```
General Questions
```

```
-----
```

Prompt	Response
Access Manager administrative password	<i>password</i>
Directory Manager password	<i>password</i>
Web Container administrative password	<i>password</i>

5. Provide Messaging Server information or accept default values

```
Messaging Server Settings
```

Prompt	Response
Server host	company22.example.com
Server client port	81
Server imap port	143
Server smtp port	25
Accept defaults?	[y]

6. Provide Address Book information or accept the default values:

Address Book Settings

Prompt	Response
Admin uid	uid=msg-admin-company22.example.com-20040521153152Z, ou=People,o=company22.example.com,dc=example,dc=com
Search base	o=pab
User search base	o=adventuresportscafe.com,dc=example,dc=com
Accept defaults?	[y]

7. Provide Calendar Server information or accept the default values:

Calendar Settings

Prompt	Response
Server host	company22.example.com
Server client port	82
Server protocol	http
Accept defaults?	[y]

8. Provide Instant Messaging information or accept the default values:

Instant Messaging Settings

Prompt	Response
Server host	company22.example.com
Server port	49999
Multiplexor host	company22.example.com
Multiplexor port	49909
Codebase	http://company22.example.com:80/im

9. Answer y to start the configuration:

Start configuration? [y]

When the Enterprise Sample Portal installation is finished, the setup script displays instructions for accessing the Welcome Page for the Enterprise Sample Portal. For details, see “Access the Enterprise Sample Portal Welcome Page” on page 13.

Uninstall the Enterprise Sample Portal

To uninstall the Enterprise Sample Portal:

1. Run the setup program:

```
./setup
```

Please select one of the following options:

- 1) Uninstall Enterprise Sample
- 2) Configure Communication Channels
- 3) Quit

2. To uninstall the Enterprise Sample, select option 2.

NOTE Uninstalling the Enterprise Sample Portal does *not* remove the adventuresportscafe.com organization from the Directory Server if you have compliance deletion enabled (found in the Access Manager Console Administration Service). The entries are marked deleted but not actually removed from the directory and cannot be recreated.

3. Provide the requested information:

Prompt	Response
Organization to remove	[adventuresportscafe.com]
Access Manager password	<i>password</i>
Directory Manager password	<i>password</i>
Web Container administrative password	<i>password</i>

4. Answer y to remove the Enterprise Sample.

5. Restart the web container.

Access the Enterprise Sample Portal Welcome Page

To access the Enterprise Sample Portal Welcome page:

1. If you configured any of the communication channels, restart the web container.
2. Launch a Web browser.
3. Enter the URI for the Enterprise Sample Portal welcome page in the form:

`http://host/portal_deployment_URI/welcome`

For example:

`http://company22.example.com/portal/welcome`

The Welcome page provides a link to the Adventure Sports Café anonymous page.

Access the Enterprise Sample Portal Welcome Page

Install and Configure Communication Services

Product and Configuration Dependencies

The following Sun Java™ Enterprise System products must be installed and configured on the system on which you will install and run the Enterprise Sample:

- Sun Java™ System Directory Server
- Sun Java™ System Access Manager
- Sun Java™ System Portal Server

If you want to configure the Communication channel services to use the `adventuresportscafe.com` organization and associated sample data, you need to install and configure the following Sun Java Enterprise System products, which provide hosted domain support:

- Calendar Server
- Messaging Server
- Instant Messaging Server
- Delegated Administrator

Post-installation Configuration and Startup

This section explains how to configure each of the Sun Java System Portal Server communication services so that the Communication channels in the Enterprise Sample will be preconfigured with the Adventure Sports Café sample data.

Directory Server Configuration

The Directory Server setup script (`comm_dssetup.pl`) configures your LDAP Directory Server to work with your Delegated Administrator, Messaging Server, and Calendar Server configurations.

The `comm_dssetup.pl` script is located in the following directory (the default root directory for the Directory Server is `/opt/SUNWmsgsr`):

`/msg-server-install-root/lib`

1. Change to the directory where the Directory Server setup script is installed.

For example:

```
cd /opt/SUNWcomds/sbin
```

2. Ensure that the Directory Server is running; if not, enter the following command. Note that `DS_SERVERROOT` represents the Directory Server root directory (the default is `/var/opt/mps/serverroot`), and `HOSTNAME` represents the host name on which the Directory Server is installed.

```
DS_SERVERROOT/slapd-HOSTNAME/start-slapd
```

3. Run the Directory Server setup script using the following command:

```
DS_SERVERROOT/bin/slapd/admin/bin/perl ./comm_dssetup.pl
```

4. Respond to the prompts as shown in the following table. Note that responses in brackets are default responses. To specify the default response to a prompt, press Enter.

Prompt	Response
Directory Server root [/var/opt/mps/serverroot]	Press Enter to accept the default.
Please enter the Directory Manager DN [cn=Directory Manager]	Press Enter to accept the default.
Please enter the Users/Groups base suffix [o=usergroup]	Specify the root suffix (or base dn) for your site (which is specified during the Directory Server and Access Manager portions of the Sun Java Enterprise Server installation). For example: dc=example,dc=com
Please enter the Schema Type (1, 1.5, 2) [2]	Press Enter to accept the default.
Do you want to update the schema files [yes]	Press Enter to accept the default.
Do you want to configure new indexes [yes]	Press Enter to accept the default.
Do you want to reindex the new indexes now [yes]	Press Enter to accept the default.

Delegated Administrator Configuration

The Delegated Administrator (`commadmin`) enables administrators to manage different communication services for users, groups, domains, and organizations.

The Delegated Administrator configuration utility is located in the following directory (the default root directory for the Delegated administrator is `/opt/SUNWcomm/sbin/config-commda` script).

`um-util-install-root/sbin`

To configure the Delegated Administrator:

1. Change to the directory in which the Delegated Administrator Utility program is installed. For example:

```
cd /opt/SUNWcomm/sbin
```

2. Run the configuration program using the following command:

```
./config-commandaRespond to the prompts as follows:
```

Prompt	Response
Directory to store configuration and data files	/var/opt/SUNWcomm
Components	Delegated Administrator Utility, Delegated Administrator Console, Delegated Administrator Server
Hostname	company22.example.com (you must specify the fully-qualified hostname)
Port	80, if this is the port you are running on.
Default domain	example.com
Default SSL port	443
Access Manager base directory	/access-manager-server-install-root/
LDAP URL	ldap://company22.example.com:38 9 (defaults to the port specified for the Directory Server)
Bind as	cn=Directory Manager
Password	<i>password</i>
Access Manager top-level administrator user name	<i>password</i>
Access Manager top-level administrator password	<i>password</i>
Access Manager internal LDAP authentication user name	<i>password</i>
Access Manager internal LDAP authentication password	<i>password</i>
Organization DN	o=company22.example.com, dc=example,dc=com
Top-level administrator for the default organization user name	admin
Top-level administrator for the default organization password	<i>password</i>

3. Test the Delegated Administrator utility. The `commadmin domain search` command obtains all the directory properties associated with a single domain. Assuming that you are running on port 80, run the command with the following command-line options (option `-h` displayed online help):

```
./commadmin domain search -D admin -w password -X company22.example.com
-p 80 -n company22.example.com -d company22.example.com
```

```
OK
```

```
dn: dc=example,dc=com
o: company22.example.com
objectclass: sunISManagedOrganization
objectclass: sunNameSpace
objectclass: top
objectclass: sunManagedOrganization
objectclass: organization
objectclass: domain
sunnamespaceuniqueattrs:
o,sunPreferredDomain,associatedDomain,sunOrganizationAlias
sunregistered servicename: SunPortalNetMailService
sunregistered servicename: SunPortalSubscriptionsService
sunregistered servicename: iPlanetAMAuthenticationDomainConfigService
sunregistered servicename: iPlanetAMAdminConsoleService
sunregistered servicename: iPlanetAMAuthMembershipService
sunregistered servicename: iPlanetAMAuthService
sunregistered servicename: iPlanetAMPolicyConfigService
sunregistered servicename: SunSSOAdapterService
sunregistered servicename: iPlanetAMUserService
sunregistered servicename: SunMobileAppABService
sunregistered servicename: iPlanetAMProviderConfigService
sunregistered servicename: SunMobileAppMailService
sunregistered servicename: SunPortalWSRPCConsumerService
sunregistered servicename: SunPortalWSRPProducerService
sunregistered servicename: iPlanetAMAuthLDAPService
sunregistered servicename: SunMobileAppCalendarService
sunregistered servicename: SunPortalDesktopService
dc: example
inetdomainstatus: Active
sunorganizationalias: company22.example.com
```

4. Restart the web container.

Messaging Server Configuration

The Messaging Server configuration utility (`configure`) is located in the following directory (the default root directory for the Messaging Server is `/opt/SUNWmsgsr`):

`/msg-server-install-root/sbin`

To configure the Messaging Server:

1. Change to the directory in which the Messaging Server configuration utility is installed. For example:

```
cd /opt/SUNWmsgsr/sbin
```

2. Run the configuration utility using a command to the following:

```
./configure
```

3. Respond to the prompts as shown in the following table:

Prompt	Response
Directory to store config and data files	SUNWmsgsr
Components	Message Transfer Agent Message Store Messenger Express
Messaging Server UNIX user name	mailsrv
Messaging Server UNIX group	mail
LDAP URL	ldap://company22.example.com:389 (defaults to the port specified during installation of Directory Server)
Bind as	cn=Directory Manager
Password	<i>password</i>
Postmaster group email address	Store.Administrator@company22.example.com
admin account password	<i>password</i>
email domain	company22.example.com
Organization DN	o=company22.example.com,dc=example,dc=com

4. If you received the following warning message:

The following ports are found to be in use:
SMTP(25), WEBMAIL(80)

Assuming that you wish to use port 81, change the Messenger Express client port setting by entering the following command:

```
./configutil -o service.http.port -v 81
```

5. Disable `ipsecurity` by entering the following command:

```
./configutil -o service.http.ipsecurity -v no
```

6. Ensure that `sendmail` is not running by entering the following command:

```
/etc/init.d/sendmail stop
```

7. Stop and restart the Messaging Server using the following commands:

```
./stop-msg
```

```
./start-msg
```

Calendar Server Configuration

The Calendar Server configuration script (`csconfigurator.sh`) is located in the following directory (the default root directory for Calendar Server is `/opt/SUNWics5/cal`):

```
/calendar-server-install-root/sbin
```

To configure the Calendar Server:

1. Change to the directory in which the Calendar Server configuration script is installed. For example:

```
cd /opt/SUNWics5/cal/sbin
```

1. Run the configuration script:

```
.csconfigurator.sh
```

2. Respond to the prompts as follows. Responses shown in boldface type are *non-default* responses.

Prompt	Response
LDAP Server host	company22.example.com
LDAP Server port	389

Prompt	Response
Directory Manager DN	cn=Directory Manager (that is, the Directory Manager DN default as specified during the Sun Java Enterprise System installation)
Directory Manager password	<i>password</i>
LDAP URL	ldap://company22.example.com:389
Base DN	o=company22.example.com,dc=example,dc=com (that is, the Base DN default as specified during the Sun Java Enterprise System installation)
Administrator user ID	calmaster
Administrator password	<i>password</i>
email alarms	enabled
Administrator email address	Store.Administrator@company22.example.com
SMTP host	company22.example.com
Service port	82, if you are using this port
Maximum sessions	5000
Maximum threads	20
Number of server processes	2
Runtime user ID	icsuser
Runtime group ID	icsgroup
Calendar Server startup	Check both boxes.
Configuration directory	/var/opt/SUNWics5/config
Database directory	/var/opt/SUNWics5/csdb
Logs directory	/var/opt/SUNWics5/logs
Temporary files directory	/var/opt/SUNWics5/tmp

3. Edit the Calendar Server configuration file (which is located in */calendar-server-install-root/config/ics.conf*) and specify the following. Some responses are specific to your installation.

```
local.schemaversion = "2"
service.defaultdomain = "company22.example.com"
service.http.ipsecurity = "no"
service.schema2root="dc = example,dc=com"
```



```

service.siteadmin.userid = "calmaster@company22.example.com"
service.siteadmin.cred = "password"
service.virtualdomain.support = "y"

```

4. Stop and restart the Calendar Server using the following commands:

```

./sbin/stop-cal
./sbin/start-cal

```

Instant Messaging Server Configuration

The Instant Messaging Server configuration program (`configure`) is located in the default root directory for the Instant Messaging Server (`/opt/SUNWiim/`)

To configure the Instant Messaging Server:

1. Change to the directory in which the Instant Messaging Server configuration program is installed. For example:

```
cd /opt/SUNWiim
```

2. Run the configuration program:

```
./configure
```

3. Respond to the prompts as follows. Responses shown in boldface type are *non-default* responses.

Prompt	Response
Components	Instant Messaging Server Instant Messenger Resources Access Manager Instant Messaging Service
Hostname	company22
DNS domain name	example.com
IM Server IS Server options	Select both check boxes.
Runtime files directory	<code>/var/opt/SUNWiim</code>
Domain name	company22.example.com
IM server port	45222
Multiplexor port	5222
Disable server	Make sure the check box is not selected.

Prompt	Response
LDAP Server name	company22.example.com
LDAP port	389
Base DN	dc=example,dc=com (that is, the Base DN as specified during the Sun Java Enterprise System installation)
Bind DN	cn=Directory Manager [(that is, the Bind DN as specified during the Sun Java Enterprise System installation)
Bind password	<i>password</i>
SMTP Server	company22.example.com
Code base	http://company22.example.com:80/im Assuming that you want to run on port 80.
Assign IM service to existing users	Select the check box.
Services startup configuration	Make sure both check boxes are selected.

4. Set up the codebase by linking the IM HTML directory to the web container's document root. If the Enterprise Sample is deployed on the Application Server, follow these steps:

- a. Change directory to the web container's document root:

```
cd /app-server-install-root/domains/domain1/server1/docroot
```

(The default installation root directory for the Application Server is /var/opt/SUNWappserver/domains/domain1/docroot/.)

- b. Create a soft link to the IM HTML directory by entering a command similar to the following:

```
ln -s /im-server-install-root/html im
```

5. Ensure that the Instant Messaging Server is running by entering a command similar to the following:

```
/im-server-install-root/sbin/imadmin refresh
```

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