# SYBASE<sup>®</sup>

Installation Guide

# Enterprise Portal – Enterprise Edition

6.0

[WebLogic® Server on Sun Solaris]

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Sybase, Inc., One Sybase Drive, Dublin, CA 94568.

# Contents

About This Book		V
CHAPTER 1	Overview	1
	Component overview	I
CHAPTER 2	Installing Enterprise Portal 6.0 – Enterprise Edition	3
	System requirements	3
	Enterprise Portal default values	4
	Pre-installation tasks	6
	Installing Enterprise Portal 6.0	9
	Running the portal database in Adaptive Server Anywhere	14
	Post-installation tasks	14
	Verifying the installation	14
	Using EP Security to create a Portal Studio user	15
	Configuring Oracle for multibyte support	17
	Configuring an alternate audit database	17
	Installing and running Autonomy	18
	Deploying Autonomy portlets to Portal Studio	23
CHAPTER 3	Uninstalling Enterprise Portal 6.0 – Enterprise Edition	27
	Uninstalling Enterprise Portal 6.0 – Enterprise Edition	27
	Uninstalling Autonomy servers	29
Index		31

# **About This Book**

Audience	This guide is for Sybase® system administrators and other qualified professionals who are familiar with their system's environment, networks, disk resources, and media devices.
How to use this book	This book contains the following chapters:
	• Chapter 1, "Overview," is an overview of the Enterprise Portal (EP) installation and system requirements.
	• Chapter 2, "Installing Enterprise Portal 6.0 – Enterprise Edition," describes how to install EP 6.0 on your system, and how to install Autonomy.
	• Chapter 3, "Uninstalling Enterprise Portal 6.0 – Enterprise Edition," describes how to uninstall Enterprise Portal 6.0 – Enterprise Edition, and how to uninstall Autonomy.
Related documents	<b>Enterprise Portal documentation</b> Enterprise Security is included in the Enterprise Portal 6.0 package. The following Enterprise Portal document is available on the <i>Getting Started with Enterprise Portal</i> CD:
	• The Enterprise Portal release bulletin for your platform contains last- minute information not documented elsewhere. You can also access the release bulletin from the Enterprise Portal installer.
	<b>Enterprise Portal online documentation</b> The following Enterprise Portal documents are available in PDF and DynaText format on the <i>Enterprise Portal 6.0 Technical Library</i> CD:
	• The <i>Enterprise Portal Developer's Guide</i> includes developer-related topics for Enterprise Portal components, Portal Interface portlets, and Java Template Framework pages.
	• The <i>Portal Interface User's Guide</i> describes the Portal Interface user interface and how to use Portal Interface to build and manage your enterprise's portal.
	• The <i>Enterprise Security Administration Guide</i> explains Enterprise Portal security architecture and describes how to set up both basic and advanced security models in Enterprise Portal and Portal Interface.

	<b>jConnect™ for JDBC™ documents</b> Enterprise Portal 6.0 includes the jConnect for JDBC driver to allow JDBC access to Sybase database servers and gateways. The <i>Programmer's Reference jConnect for JDBC</i> is included on the <i>Enterprise Portal Technical Library</i> CD.			
	<b>No</b> pao	<b>te</b> See the <i>Technical Library Installation Guide</i> in your documentation ckage for instructions on installing and starting the Technical Library.		
Other sources of information	Use the Sybase Getting Started CD, the Sybase Technical Library CD and the Technical Library Product Manuals Web site to learn more about your product:			
	•	The Getting Started CD contains release bulletins and installation guides in PDF format, and may also contain other documents or updated information not included on the Technical Library CD. It is included with your software. To read or print documents on the Getting Started CD you need Adobe Acrobat Reader (downloadable at no charge from the Adobe Web site, using a link provided on the CD).		
	•	The Technical Library CD contains product manuals and is included with your software. The DynaText reader (included on the Technical Library CD) allows you to access technical information about your product in an easy-to-use format.		
		Refer to the <i>Technical Library Installation Guide</i> in your documentation package for instructions on installing and starting the Technical Library.		
	•	The Technical Library Product Manuals Web site is an HTML version of the Technical Library CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Updates, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.		
		To access the Technical Library Product Manuals Web site, go to Product Manuals at http://www.sybase.com/support/manuals/.		
Sybase certifications on the Web	Teo	chnical documentation at the Sybase Web site is updated frequently.		
*	Fin	ding the latest information on product certifications		
	1	Point your Web browser to Technical Documents at http://www.sybase.com/support/techdocs/.		
	2	From Tech Docs by Doc Type, select Certification Report.		
	3	Specify a time frame for your search, and click Go.		
	4	Click a Certification Report title to display the report.		

# Creating a personalized view of the Sybase Web site (including support pages)

Set up a MySybase profile. MySybase is a free service that allows you to create a personalized view of Sybase Web pages.

- 1 Point your Web browser to Technical Documents at http://www.sybase.com/support/techdocs/.
- 2 Click MySybase and create a MySybase profile.

# Sybase EBFs and software maintenance

#### \* Finding the latest information on EBFs and software maintenance

- 1 Point your Web browser to the Sybase Support Page at http://www.sybase.com/support.
- 2 From the menu on the left, under Support Services, select EBFs/Maintenance. Enter user name and password information, if prompted (for existing Web accounts) or create a new account (a free service).
- 3 Select a product.
- 4 Specify a time frame and click Go.
- 5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

## **Conventions** The syntax conventions used in this manual are:

Кеу	Definition
commands and methods	Command names, command option names, utility names, utility flags, Java methods/classes/packages, and other keywords are in lowercase Arial font.
variable	Italic font indicates:
	• Program variables, such as <i>myServer</i>
	• Parts of input text that must be substituted, for example:
	Server.log
	• File names
\$SYBASE	Variable used to represent the Sybase Enterprise Portal installation directory on UNIX systems.
File   Save	Menu names and menu items are displayed in plain text. The vertical bar shows you how to navigate menu selections. For example, File   Save indicates "select Save from the File menu."
package 1	Monospace font indicates:
	• Information that you enter in a GUI interface, a command line, or as program text
	Sample program fragments
	• Sample output fragments

**Note** The installation and post-installation instructions frequently refer to the *\$SYBASE* and *\$BEA* variables.

*\$SYBASE* refers to the installation directory of Enterprise Portal, for example, /work2/sybase/ or /work/sybase.

*\$BEA* refers to the installation directory of the BEA WebLogic application server installed with Enterprise Portal 6.0; for example, */work2/sybase/BEA*, or *\$SYBASE/BEA* when *\$SYBASE* is already set.

If you need help Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you cannot resolve a problem using the manuals or online help, please have the designated person contact Sybase Technical Support or the Sybase subsidiary in your area.

# **Overview**

This guide explains how to install Enterprise Portal 6.0 – Enterprise Edition, and deploy the portal Web application to the BEA WebLogic® application server.

Торіс	Page
Component overview	1

Sybase Enterprise Portal 6.0 is a ready-to-deploy portal solution that consolidates Web-accessible information sources and aggregates existing applications into a personalized view. This provides your employees, partners, and customers immediate access to the information and services they need to perform their jobs. The Sybase Enterprise Portal combines an intuitive user interface with advanced administration for enterprise application integration. With a browser-based management component, the portal translates the simplicity of the end-user experience to the developer and administrator, leading to a reduction in the cost of portal projects.

You can install the product in a few minutes and quickly create portlets from JSP applications, Web-accessible information sources, XML feeds, HTML fragments, and databases.

## **Component overview**

The Enterprise Portal 6.0 – Enterprise Edition packaging includes:

- Media 3 CDs:
  - Getting Started with Enterprise Portal Enterprise Edition CD
  - Enterprise Portal 6.0 Enterprise Edition CD
  - Enterprise Portal Technical Library

The Enterprise Portal installation CD includes a *Search* directory that contains everything needed to install the Autonomy portlets into the Portal Studio. The *Search* directory contains:

- *Autonomy.tar.gz* contains the directories and executables needed to set up and run the Autonomy Servers.
- *Docs* contains Autonomy server and portlet documentation, including the *Portlet\_Guide\_4.3.pdf*, which describes how the portlets function. It also describes portlets not included with this installation.
- *Installation.Instructions.pdf* instructions for installing Autonomy search. The Autonomy information is also included in this *Installation* guide.
- *Portlets* contains:
  - *AutonomyPortlets.war* contains the Autonomy portlets.
  - *AutonomyPortlets.Import.xml* imports the portlets contained in the *.war* file to Portal Studio.

# Installing Enterprise Portal 6.0 – Enterprise Edition

This chapter describes how to install and deploy Enterprise Portal 6.0 – Enterprise Edition in BEA® WebLogic Server 8.1.

The portal database is supported on Adaptive Server® Anywhere and Oracle. You can use an existing database if it meets system requirements.

Internet Explorer, running on Windows, provides browser access to the Portal Studio and Portal Interface.

Торіс	Page
System requirements	3
Enterprise Portal default values	4
Pre-installation tasks	6
Installing Enterprise Portal 6.0	9
Running the portal database in Adaptive Server Anywhere	14
Post-installation tasks	14

# System requirements

Table 2-1 describes minimum system requirements for deploying Enterprise Portal 6.0 – Enterprise Edition to WebLogic Server 8.1, and for additional hardware or software components used in the system configuration.

Platform/OS and software	Release level	Disk space/RAM
Sun Solaris	2.8 Ultra10, 2.9 Ultra10	512MB RAM 1.1GB disk space
WebLogic Server	8.1 Service Pack 2 or later	520MB disk space
Adaptive Server Anywhere (optional)	8.0.0	62MB disk space
Oracle (optional)	8.1.7 or 9i	See the Oracle documentation
Enterprise Portal – Enterprise Edition	6.0	110MB disk space
Java Development Kit (JDK)	1.4 or later	19MB
Autonomy	IDOL Server 4.5.0 (comprised of: LAUNE server 4.5.6, NORE Server 4.5.0, SUIR Server 4.5.5)	437MB
Internet Explorer	5.5 or 6.0	

Table 2-1: System Requirements

# **Enterprise Portal default values**

Table 2-2 lists the default values for the user names, passwords, and port numbers for the Enterprise Portal components.

For information on how to administer individual components, see the component documentation on the Enterprise Portal Technical Library CD.

Table 2-2: Enterprise Portal default values

Component	Default values	Description
Local host machine		•
Local host machine name	The machine name	The host machine name, such as <i>labnt</i> .
Oracle name	The machine name	The ORACLE_SID, or system ID. It can be the same as the local host machine name.
Oracle port number	1521	The default port used to connect to the Oracle database.
Oracle administrator user name	system	The user name used to log in to the Oracle database.

Component	Default values	Description
Oracle administrator password	null/blank but changed to the user's default Oracle password	The password used by the administrator to log in to the Oracle database. The Oracle default is null/blank, but Enterprise Portal changes it to the user's default Oracle password.
Adaptive Server Anywhere port number	6100	The default port used to connect to Adaptive Server Anywhere.
Adaptive Server Anywhere Administrator user name	dba	The user name used to log in to Adaptive Server Anywhere.
Adaptive Server Anywhere Administrator password	SQL	The password used to log in to Adaptive Server Anywhere.
WebLogic Server port number	7001	The port number used to connect to WebLogic Server.
WebLogic SSL port number	7002	The secure socket layer (SSL) port number for the WebLogic Server.
WebLogic Server login	weblogic	The user name used to log in to WebLogic Server.
WebLogic Server password	null/blank but must be changed	The password used to log in to WebLogic Server. The default is null/blank, but you must create a password during WebLogic installation or the installation will not proceed.
EP Access Control Database (ACDB)		·
ACDB DBO account user name	acdbdbo	Change the default user name in the ACDB. See the <i>Enterprise Security Administration Guide</i> for more information.
ACDB DBO account password	null/blank	The default is null/blank, but you must change the default password in the ACDB or the installation will not proceed. See the <i>Enterprise Security Administration Guide</i> , Chapter 2, "Setting up Security" for more information.
Enterprise Security		
PSO user name	pso	The PSO user name is created by the installer during installation.
		Use this user name to log in to the Portal Studio the first time you do so.

Component	Default values	Description
PSO password	null/blank	The password the PSO uses to log in to the Portal Studio.
		The password is set by the user during installation, and must be at least eight characters long.

# **Pre-installation tasks**

Before installing Enterprise Portal 6.0, you must perform some pre-installation tasks, and make sure the WebLogic Server and Oracle environments are set up correctly.

Before you install Enterprise Portal, you must:

- Verify that there is a "." (dot) in the PATH environment variable.
- Verify that you have write permission on your login home directory, the directory where you install the software, and the */tmp/logs* directory.
- Verify that you have 928MB free space in your temporary directory, otherwise the installation fails.

If you do not have enough space in the default temporary directory set by the installer, set the environment variable to redirect to a temporary directory set by you.

**Note** The temporary directory to which you are redirecting must exist before you set the environment variable.

To redirect your temporary directory when using *EPSetup*, enter:

./EPSetup -is:tempdir /work/tmp

where /work/tmp is the directory of your choice.

• Before installation, you should know the domain name of the machine where you are installing Enterprise Portal. This information is required during the installation. To find your domain name, contact your system administrator, or at a command prompt, enter:

domainname

WebLogic ServerUse the following information to create and configure the WebLogic Server<br/>and domain, during the pre-installation phase. See your WebLogic<br/>documentation for more information about setting up WebLogic Server.

**Note** If you already have a WebLogic Server and domain installed and configured, you need not configure a new WebLogic Server or define a new domain.

- If you create a new WebLogic Server, make these selections:
  - Choose a complete installation.
  - Use default initial listener properties, with the server listener entry left blank.
  - Choose a standalone single server.
- To deploy Enterprise Portal 6.0 on WebLogic Server, you need a WebLogic Server domain. If you create a new domain, use these parameters:
  - Select New Domain.
  - Select WebLogic Basic Domain.
  - Select either Express or Custom. If you choose Custom, use the WebLogic documentation to make the appropriate configuration settings.
  - Select Development mode or Production mode, depending on your requirements.
- The WebLogic Server startup script must be named *startWebLogic.sh*, or the Enterprise Portal installation reports a File Not found error.

If you are using the sample file *startExamplesServer.sh* as a base to create your WebLogic startup script, be sure to rename it *startWebLogic.sh*. The sample file is located in:

#### \$SYBASE/\$BEA/weblogic81/sample/domain/examples

• Before you start the WebLogic Server, execute the following command from the console or terminal to increase the number of open file descriptors available to a process:

unlimit descriptors

**Note** You need to issue the unlimit command from the console or terminal every time you start the WebLogic server.

- Start the WebLogic Server, and verify it is running.
- Verify that the *boot.properties* file exists in the user's server *domain* directory, for example in *\$BEA/user\_projects/domain/mydomain*. If it does not, you must create one prior to installation. See the WebLogic documentation for information about creating the file (using WebLogic samples), and modifying the file for your WebLogic account.
- Verify that the server is SSL enabled.

If you plan to implement an Oracle database for the portal database, rather than Adaptive Server Anywhere, use the following information to create and configure the Oracle database. See your Oracle documentation for more information about setting up Oracle databases.

- Verify your Oracle installation and access to the Oracle client software.
- Copy the *classes12.jar* file (or *classes12.zip*) from \$*ORACLE\_HOME/jdbc/lib* to \$*BEA/weblogic81/server/lib*. You must stop and start the WebLogic server for the change to take effect.
- You must create the following Oracle tablespaces:

Tablespace name	Size
OP_PORTAL_DATA	50MB
OP_PORTAL_IDX	50MB
ACDB_DATA	100MB
ACDB_IDX	30MB

- Verify that you have access to the Oracle system password and ORACLE\_SID. In a single-instance database system, the instance name is usually the same as the database name. ORACLE\_SID can be on a different machine than the Enterprise Portal installation.
- Verify the Oracle LISTENER is running.

Oracle

# **Installing Enterprise Portal 6.0**

#### \* Performing the installation

- 1 Make sure both the WebLogic server and the Oracle process are running and accessible.
- 2 Insert the CD labeled "Sybase Enterprise Portal 6.0" in the CD drive.
- 3 If the installer does not start automatically, launch the installer from the command line by entering:

cd /cdrom/cdrom0 ./EPSetup

If you get CD-reading errors, check your operating system kernel to make sure the ISO 9660 option is turned on.

- 4 Once the installer launches, in the first window, click "Here" to view the Enterprise Portal 6.0 Release Bulletin. Click Next.
- 5 In the End-user License Agreement window, from the drop-down menu, select the geographical location where the software is being installed.

The license agreement appears in the window.

Read the license agreement, and select "I agree to the terms of the Sybase license for the install location specified." Click Next.

6 In the next window, provide the root directory name where you want to install Enterprise Portal. You may accept the default installation directory, enter the name of a different directory, or use the Browse button to select the installation location.

If you enter a directory that has not yet been created, the installer creates the directory automatically. Click Next.

- 7 In the Enterprise Portal Custom Install Overview window, read the information, and click Next.
- 8 In the next window, enter the connection information for your WebLogic Server:
  - Host Name or IP Address the name of the machine where the WebLogic Server is installed.
  - Port Number the port number used to connect to the WebLogic Server. By default, this is 7001.

- SSL Port Number the port number for the connection of the Secure Sockets Layer. By default, this is 7002, but the WebLogic Server administrator may have defined another port.
- Login Name the user name used to log in to WebLogic Server. By default, this is "weblogic."
- Login Password the password for the user name used to log in to WebLogic Server. By default, this is blank, but setting a password for the WebLogic user was required during the WebLogic installation process.
- Server Name the WebLogic Server name.
- WebLogic Root Directory the path to the specific domain WebLogic Server installation directory.
- WebLogic Domain Directory the path to the specific WebLogic Server domain, which is under the *domain* directory, for example, *\$BEA/user\_projects/domain/mydomain.*

Click Next if all the information entered is correct.

- 9 A window displays saying, "Please wait...Connecting to WebLogic Server. Verifying the Information."
- 10 In the next window, the machine name and domain, such as localhost, are filled in. If the information is not correct, enter the machine name and domain of the Enterprise Portal installation machine. For example, if your computer is named "mycomputer" and your domain is "sybase.com," enter:

mycomputer.sybase.com

If your computer is on an Internet subdomain, enter that information as well. For example, if your computer is on an Internet subdomain named "legal," enter:

mycomputer.legal.sybase.com

Click Next.

- 11 In Select the Database window, select either:
  - Sybase Adaptive Server Anywhere Database installs Adaptive Server Anywhere.
  - Existing Oracle Database allows you to use a preexisting Oracle database.

Click Next.

- 12 If you are using a preexisting Oracle database, go to the next step. If you are installing Adaptive Server Anywhere, in the next window, enter the port number for Adaptive Server Anywhere. The default is 6100.
- 13 If you are using an existing Oracle database, in the next window, enter connection information for the Oracle database instance in which you want the installer to create the Enterprise Security database:
  - Database Type the type of database being used. The default "Oracle" is filled in and cannot be changed.
  - Host Name or IP Address the default is the name of the machine where the database is installed.
  - Port Number the port number used to connect to the database. The default is 1521.
  - Database Administrator Login Name the administrator user name used to log in to the database. The default is "system".
  - Database Administrator Password the password of the database administrator. Enter the password used by the database administrator to log in to the security database. For example, the default Oracle password for the system is "manager."
  - Security Database Instance each Oracle instance is considered a single database, and is handled by a separate database server. Enter the name of the Oracle instance in which you want the installer to create the Sybase Portal database, for example, "oracle9i."

Click Next.

- 14 If you are using an existing Oracle database, in the next window, enter connection information for the Oracle instance in which you want the installer to create the Enterprise Portal database:
  - Database Type the type of database being used. The default of "Oracle" is filled in and cannot be changed.
  - Host Name or IP Address the default is the name of the machine where the database is installed.
  - Port Number the port number used to connect to the database. The default is 1521.
  - Database Administrator Login Name the administrator user name used to log in to the database. The default is "system".

- Database Administrator Password the password of the database administrator. Enter the password used by the database administrator to log in to the database.
- Portal Database Instance each Oracle instance is considered a single database, and handled by a separate database server. Enter the name of the Oracle instance in which you want the installer to create the Sybase Enterprise Portal database, for example, "oracle9i".

Click Next.

- 15 In the next window, enter the security information for your organization:
  - Root Organization Name the name of your company.
  - Security Database Owner Login Information:
    - Login the default is "acdbdbo".
    - Password the default is blank. You must set the password you want to use for the database owner.
    - Validate Password enter the same password again to validate.
  - Portal Security Officer Login Information:
    - Login the default is "pso".
    - Password the default is blank. You must set the password you want to use for the Portal Security Officer. The password must be at least eight characters long.
    - Validate Password enter the same password again to validate.

**Note** Make note of the login and password combinations you enter, as you need them to log in to Enterprise Portal, or to uninstall Enterprise Portal.

Select Advanced to enter:

- Portal Security Officer e-mail address
- Portal Security Officer phone number

Click Next.

**Note** If you did not create the Oracle tablespaces before beginning the installation, you are prompted to create the tablespaces before proceeding to the next step. For information, see "Oracle" on page 8 of the Pre-installation tasks section.

- 16 The Preinstallation Summary window shows:
  - Components to be installed
  - Size of components to be installed
  - Installation location
  - Database settings:
    - Database type the type of database installed. For example, Adaptive Server Anywhere.
    - Host the name of the machine where the database is installed.
    - Port the port used to connect to the database.
  - Application server settings:
    - Type the type of application server installed. This is WebLogic.
    - Host the name of the machine where the application server is installed.
    - Port the port used to connect to the application server.
  - Portal settings
    - Connection URL the URL used to access Portal Interface.

**Note** The space estimate shown in the pre-installation summary is off by 60MB because the size of the uninstaller has not yet been determined by the installer.

Click Next.

- 17 The progress bar shows the status of the installation. A message appears: "Installing Sybase Enterprise Portal. Please wait." A series of windows appears, showing the progress of the installation.
- 18 The Installer Events Report window appears. In the Installer Event box, the installer events are listed. Select the event title to view an expanded description in the Event Description box.

The Log File Location box shows the location of the installation log file.

Click Next.

19 If the installation is successful, you see the Installation Successful window.

Click Readme to read the Enterprise Portal Release Bulletin.

Click Finish to exit the installer.

See "Verifying the installation" on page 14.

# Running the portal database in Adaptive Server Anywhere

If you are using Adaptive Server Anywhere for the portal database, rather than Oracle, you must start the Adaptive Server Anywhere program from the command line.

- Starting Adaptive Server Anywhere
  - 1 Go to *\$SYBASE/ASA*.
  - 2 Execute portaldatabase.sh to run Adaptive Server Anywhere on the port assigned during installation. The default is 6100.

# **Post-installation tasks**

This section describes post-installation tasks:

- Verifying the installation
- Using EP Security to create a Portal Studio user
- Configuring Oracle for multibyte support
- Configuring an alternate audit database
- Installing and running Autonomy
- Deploying Autonomy portlets to Portal Studio

## Verifying the installation

Use the following procedures to verify that your Enterprise Portal 6.0 installation is operating correctly.

#### \* Running Enterprise Portal Interface

1 After installing Enterprise Portal, log in to Enterprise Portal by clicking the link on the last installer window. You can also start Portal Interface using the following URL, substituting your host name, domain, and port number:

#### http://\$HOSTNAME.\$PORTALDOMAIN:port/onepage/index.jsp

For example, if your machine name is "labnt", your portal domain is "sybase.com," and your WebLogic http port number is "7001," enter:

http://labnt.sybase.com:7001/onepage/index.jsp

This displays the Portal Interface "Guest" page in a browser window. It may take a few moments to load the first time, as the Enterprise Portal application is compiled.

- 2 Click Help, then select About Enterprise Portal. The title specifies the Enterprise Portal version. Click Close Window when finished.
- 3 Click Join Now on the guest page to create your portal account. The self-registration window appears.
- 4 Enter your profile information:
  - First name
  - Last name
  - E-mail address
  - Telephone number
- 5 Enter the account information:
  - Choose a user name.
  - Choose a password.
  - Enter the password again for confirmation.
- 6 Read the terms and conditions. If you agree, select the "I agree to the terms and conditions" option and click Done.

The default page appears.

## Using EP Security to create a Portal Studio user

This section describes how to use Enterprise Security to create a user with Portal Studio privileges.

#### Creating a new user to access Portal Studio assets and security

1 Start Portal Studio using Internet Explorer on Windows, by entering the following URL, substituting your host name, domain, and port number:

http://\$HOSTNAME.\$PORTALDOMAIN:port/onepage/index.html

For example, if your machine name is "labnt", your portal domain is sybase.com, and your port number is 7001, enter:

http://labnt.sybase.com:7001/onepage/index.html

The Portal Studio login page displays.

2 Enter the user name "pso" and the password for the PSO (the default user name and password assigned during Enterprise Portal installation).

Note To access Portal Studio, your browser must allow pop-up windows.

3 In the Associate Resource dialog box, select Portal and click OK.

Click OK to close the confirmation dialog.

- 4 Select Administer | Organizations from the menu in the left pane.
- 5 Select Users and click New on the Organization Manager toolbar.

If you already created a user through Portal Interface registration, you may use that user, or you may create a new user. If you want to use an existing user, go directly to step 7.

- 6 When the Create New User window displays, complete the fields. Click Help to see a description of each field.
- 7 Click OK.
- 8 Grant the new user roles to have all permissions.
  - a Right-click the new user and select Edit Roles.
  - b When the Edit User Roles window displays, click the Add All button, and Click OK. Portal Studio grants all those roles to the user.
  - c Right-click the new user and select List Access Permissions. The window displays Enterprise Portal assets (features), and your permissions for each asset.

Click OK.

9 Log out.

10 Log in as the new user, and when prompted to associate the user with a resource, select Portal. Create some portlets and pages to verify the permissions that were granted to this user. Use information and procedures in the *Portal Interface User's Guide*.

Click OK to close the confirmation dialog.

## **Configuring Oracle for multibyte support**

If you plan to use a language other than English, you must configure the Oracle database to support multibyte characters. Consult the Oracle documentation for information and procedures.

## Configuring an alternate audit database

If you plan to use an audit database other than the Alternate Control Database (ACDB), you must create a connection pool to the database, and link the default "jdbc.Audit" resource reference in

*com.sybase.ep.security.audit/SecureAuditWriter* to the new connection pool. "jdbc.Audit" is configured by the Enterprise Portal installer by default. This procedure is necessary if you are using WebLogic with the Oracle database.

#### \* Configuring an audit database

- 1 Use the WebLogic administrator console to create a new connection pool for the audit database, and switch the connection pool from the default "sybepsecurity connpool" to the new connection pool. For example, create a connection pool named AuditingConnectionPool. See the WebLogic documentation for information and procedures for creating the connection pool.
- 2 Use the WebLogic administrator console to create a new data source, and connect the new connection pool to the new data source. For example, create a data source with the JDBCName "jdbc.Auditing," and connect it to AuditingConnectionPool.
- 3 Modify the *weblogic-ejb-jar.xml* file to connect the SecureAuditWriter to the new data source as follows:

<weblogic-enterprise-bean>
 <ejb-name>Auditer</ejb-name>
 <jndi-name>com.sybase.ep.security.audit/Auditer
 </jndi-name>

```
</weblogic-enterprise-bean>
<weblogic-enterprise-bean>
 <ejb-name>SecureAuditWriter</ejb-name>
<reference-descriptor>
  <resource-description>
    <res-ref-name>
    jdbc/Audit
    </res-ref-name>
    <jndi-name>
    jdbc.Auditing
    </jndi-name>
  </resource-description>
  <resource-description>
    <res-ref-name>
    jms/AuditConnectionFactory
    </res-ref-name>
    <jndi-name>
    jms.AuditConnectionFactory
    </jndi-name>
  </resource-description>
  <resource-env-description>
    <res-env-ref-name>
    jms/AuditTopic
    </res-env-ref-name>
    <jndi-name>
    jms.AuditTopic
    </jndi-name>
  </resource-env-description>
  </reference-descriptor>
</weblogic-enterprise-bean>
<weblogic-enterprise-bean>
 <ejb-name>SecureAuditWriter</ejb-name>
 <jndi-name>com.sybase.ep.security.audit/
    SecureAuditWriter</jndi-name>
</weblogic-enterprise-bean>
</weblogic-ejb-jar>
```

## Installing and running Autonomy

This section describes how to install Autonomy servers, and deploy Autonomy portlets to Portal Studio.

### Installing Autonomy Servers

This section describes how to install and start Autonomy servers. The Autonomy files are located on the Enterprise Portal installation CD in the *Search* directory, as described in Chapter 1, "Overview." The CD is read-only, so you need to copy the *Search* directory to a local directory and use it from there.

#### Performing the installation

- 1 Extract the *Autonomy* file into the location where you want to install Autonomy. The command for extracting the file depends on the utility you are using.
  - a Use *gunzip* to extract the .*gz* file:

gunzip Autonomy.tar.gz

b Extract the resulting *tar* file:

tar -xvf Autonomy.tar

**Note** Be sure to check that the directory into which you *untar* has sufficient space available or some files may not be extracted.

The expanded structure will consist of the *autonomy* parent directory and the necessary subdirectories. The full path of the autonomy directory, for example, */work1/autonomy*, will be referred to as *<Autonomy\_Install\_Dir>*.

In <*Autonomy\_Install\_Dir*>, the following three files are used to customize the installation in a later step: *onepage.jar*, *CUSTOMIZE.sh*, and *DOREPLACE.sh*.

2 Verify that you have \$JAVA\_HOME/bin in your \$PATH by entering:

java -version

If you receive "java: command not found," or if the version shown is earlier than java 1.4, set JAVA\_HOME to point to a 1.4 JRE or JDK. For example:

setenv JAVA\_HOME \$SYBASE/\_jvm

Or:

set JAVA\_HOME=\$SYBASE/\_jvm;export JAVA\_HOME

Add the JAVA\_HOME bin directory to your path:

setenv PATH \$JAVA HOME/bin:\$PATH

3 Set up the Autonomy servers for your environment by running the *CUSTOMIZE.sh*, which in turn runs the *DOREPLACE.sh* script that sets variables in the Autonomy server configuration files and in the Start and Stop scripts.

To run the script:

- a Access < Autonomy\_Install\_Dir>.
- b Run CUSTOMIZE.sh by entering:

CUSTOMIZE.sh

**Note** The *DOREPLACE.sh* executes a java command. If "which java" does not find java, set the \$JAVA\_HOME environmental variable to point to the java directory and edit the *DOREPLACE.sh* by replacing "java" with "\$JAVA\_HOME/bin/java".

- 4 To resolve a known problem with the NORE partition:
  - a Use the su command to change to the root user.
  - b From <*Autonomy\_Install\_Dir*>, run:

NORElink.sh

- c Exit root.
- 5 Stop the EP *PortalSearchqueryh* and *PortalSearchautoindexer* if they are running.
- 6 Go to *<Autonomy\_Install\_Dir>/bin* and use the *.sh* scripts to start the Autonomy servers in this order:

```
StartQuery.sh
StartLAUNESUIR.sh
StartNORESUIR.sh
StartLAUNE.sh
StartCAP.sh
StartFetch.sh
StartIndexer.sh
```

**Note** The DiSH partition is neither licensed nor needed for proper portlet functionality.

### **Migrating Portal Search DRE data**

If you need to migrate DRE data from a previous Portal Search installation there are a few steps you must follow; if you do not need to migrate DRE data then proceed to "Deploying Autonomy Portlets" on page 21.

Your Portal Search installation directory will be referred to as <*PS\_Install\_Dir>* from this point on. The directory is typically found under your Sybase installation directory, for example, *\$SYBASE/PortalSearch*.

#### \* Migrating Portal Search DRE data

- 1 Open *<PS\_Install\_Dir>/Engine/PortalSearchqueryh.cfg* in a text editor.
- 2 Locate the [content\_template] section.
- 3 Change the line TemplateBody=templates/contentbody.txt to TemplateBody=templates/contentbody limitedfields.txt.
- 4 Save the file.
- 5 Restart the PortalSearchqueryh process.
- 6 Follow the instructions outlined in the *Search/Docs/Upgrading\_to\_IDOL\_server.pdf* file.

#### **Deploying Autonomy Portlets**

This section describes how to deploy the Autonomy portlets to the WebLogic Server. You should have installed and started the Autonomy servers and migrated all desired data from your old Portal Search DRE to the new Autonomy server as described in the previous sections.

The Autonomy portlets are packaged as a J2EE Web Application. Use the steps outlined in the WebLogic Server documentation for deploying a J2EE Web Application.

The Web Application Archive you need is located on the Enterprise Portal installation CD at *Search/Portlets/AutonomyPortlets.war*. Expand the *.war* file into an *AutonomyPortlets* directory (such as *\$SYBASE/WebLogicApps*), and deploy the expanded directory. This will allow access to *portlets.cfg* and *web.xml*, which are in the *WEB\_INF* directory found in the expanded directory.

### **Configuring Deployed Autonomy Portlets**

This section describes how to configure the Autonomy Portlets that you deployed in the previous section. To do so, you need to update the *portlets.cfg* and *web.xml* files.

#### Updating the portlets.cfg file

In this step, update the *portlets.cfg* file with Autonomy server host and port values.

#### Updating portlets.cfg

- 1 Navigate to the *WEB\_INF* directory found in the expanded directory, for example, *\$BEA/.../Search/Portlets/AutonomyPortlets/WEB\_INF*.
- 2 Open *portlets.cfg* in a text editor.
- 3 Open <*Autonomy\_Install\_Dir*>/*Ports.txt* in a text editor. *Ports.txt* contains all the host and port parameter values used by Autonomy servers in "Installing Autonomy Servers" on page 19.
- 4 In *portlets.cfg*, update these parameters to match the ACI port numbers in the *Ports.txt* file:

UserHost	hostname
UserPort	Nore ACI Port
CategoryHost	hostname
CategoryPort	Laune ACI Port
QueryHost	hostname
QueryPort	Suir (Engine) ACI Port

**Note** Values prefixed with "User" refer to the NORE partition, "Category" refers to the LAUNE partition, and "Query" refers to the SUIR partition. (The *SUIR* directory appears as the *Engine* directory when used in the Portal Studio). If you use all the Autonomy default ports, you may only need to change the host values to the Autonomy host machine name and the QueryPort to 8503.

5 Save and close the *portlets.cfg* file, and close the *Ports.txt* file.

#### Updating the web.xml file

In this step, update properties of the deployed Autonomy portlets in the *web.xml* file.

#### Updating web.xml

- 1 Navigate to the *WEB\_INF* directory used to update the *portlets.cfg* file, for example: *\$BEA/.../Search/Portlets/AutonomyPortlets/WEB\_INF/ portlets.cfg*
- 2 Open the *web.xml* file in a text editor.
- 3 Search for the <context-param> section in the *web.xml* file:
- 4 Update the <param-value> tag so that it contains the absolute location of the *portlets.cfg* file, for example:

```
<context-param>
<param-name>CfgFilePath</param-name>
<param-value>C:\Program Files\Sybase\
EAServer\Repository\WebApplication\
AutonomyPortlets\WEB-INF\portlets.cfg
</param-value>
</context-param>
```

You must alter the default parm-value of:

```
C:\ProgramFiles\Sybase\EAServer\Repository\
WebApplication\AutonomyPortlets\WEB-INF\
portlets.cfg
```

to the absolute path of *portlets.cfg*.

- 5 Save and close the *web.xml* file.
- 6 Using WebLogic Server procedures, enable the changes.

## **Deploying Autonomy portlets to Portal Studio**

This section describes how to make the Autonomy Portlets available in the Portal Studio. Complete the installation steps described in "Installing and running Autonomy" on page 18 before performing this procedure.

For detailed information about portlet features and configuration see */Search/Docs/Portlet\_Guide\_4.3.pdf* on the Enterprise Portal CD.

### Importing Autonomy portlets into Portal Studio

In this step, import the Autonomy portlets into the Portal Studio. Since the Portal Studio is not supported in Netscape, you will need to do this step on a Windows machine with Internet Explorer. You will also need to either copy the portlets to the Windows machine, or map the UNIX drive that contains the portlets to the PC.

#### Importing Autonomy portlets

- 1 Make the Autonomy portlets that are on the Sun machine available to the PC. One way to do that is to insert the Enterprise Portal 6.0 for WebLogic installation CD into the PC's CD-ROM drive. In a later step, you will navigate to the *AutonomyPortlets.Import.xml* file that is on the CD.
- 2 Start Portal Studio using Internet Explorer on Windows, by entering the following URL, substituting your host name, domain, and port number:

```
http://$HOSTNAME.$PORTALDOMAIN:port/onepage/index.html
```

For example, if your machine name is "labnt", your portal domain is sybase.com, and your port number is 7001, enter:

```
http://labnt.sybase.com:7001/onepage/index.html
```

This displays the Portal Studio login page.

- 3 Log in to Portal Studio as a user with StudioAdmin and PortalAdmin roles.
- 4 Select Build | Portlets from the Portal Studio left pane.
- 5 Click Deploy on the Portlet Manager toolbar.
- 6 When the Portal Studio Deploy window displays, select the Import tab.
- 7 Select Browse and navigate to:

Search/Portlets/AutonomyPortlets.Import.xml

- 8 Click Open.
- 9 Click Upload.
- 10 When you see the alert window stating that the upload has completed, click OK.
- 11 Notice the checkboxes under the File Name field. These checkboxes enable you to indicate whether the imported portlets and pages will be active immediately once they are imported.

- Import Entities As Active you must check this checkbox, otherwise the imported pages will not be available for use via the Portal until they are made active manually.
- Override Existing Entities check this checkbox only if you have already performed this import and want to update the portlets and pages.
- 12 Click Import. The import action will not be completed until you receive an alert window saying so. It may appear as though nothing is being done. Please do not proceed until you receive the alert window.
- 13 Once you receive the alert window, click Close to exit the Portal Studio Deploy window and return to the Sybase Portal Studio window.

## Verifying the portlet import

In this step, verify that the portlets imported successfully into the Portal Studio.

#### Verifying portlet import

- 1 To verify that the portlets imported successfully, navigate to Portlets | Approved and check for Autonomy portlets.
- 2 To verify that the pages imported successfully, navigate to Pages | Approved and check for Autonomy and Search pages.

**Note** If you do not see the Autonomy and Search pages listed, try deselecting the Show Active Only checkbox. If you are able to see the two pages after doing this, manually set each page active by (1) viewing each of their properties, (2) checking the Active checkbox, (3) clicking Update, and (4) clicking OK in the alert window. At this point the pages will be accessible via the Portal.

### Making imported portlets accessible

In this step, make the imported portlets accessible to Portal Studio and Portal Interface users.

You now have two new catalog pages (Autonomy and Search) available. The Autonomy page contains all of the new portlets, while the Search page contains only two. Both page make the new portlets accessible via the Portal.

If you wish to make the new portlets individually accessible via the Portal, you need to create entries for them in the active catalog. You can also create new catalog pages with different groupings of the new portlets. Be sure to make the new catalog pages accessible to your desired Portal user audience by assigning specific roles.

# Uninstalling Enterprise Portal 6.0 – Enterprise Edition

This chapter describes how to uninstall Enterprise Portal 6.0 – Enterprise Edition, and Autonomy servers.

Торіс	Page
Uninstalling Enterprise Portal 6.0 – Enterprise Edition	27
Uninstalling Autonomy servers	29

# **Uninstalling Enterprise Portal 6.0 – Enterprise Edition**

This section describes how to uninstall Enterprise Portal.

1 Go to *\$SYBASE/uninstallers* and execute:

#### **EPUninstall**

- 2 The uninstaller launches, and removes:
  - EP database objects from the database server
  - The database server if EP installed it
  - EP components from the application server
  - EP files

Click Next.

- 3 The Uninstall Summary window shows:
  - Components to be uninstalled
  - Size of components to be uninstalled

Click Next.

4 In the next window, enter the connection information for the WebLogic Server you are uninstalling:

- Host Name or IP Address the name of the machine where the WebLogic Server is installed.
- Port Number the port number used to connect to the WebLogic Server. By default, this is 7001.
- SSL Port Number the port number for the connection of the Secure Sockets Layer. By default, this 7002, but the WebLogic Server administrator may have defined another port.
- Login Name the user name used to log in to WebLogic Server. By default, this is "weblogic."
- Login Password the password for the user name used to log in to WebLogic Server. By default, this is blank.
- Server Name the WebLogic Server name.
- WebLogic Root Directory the path to the WebLogic Server installation directory.
- WebLogic Domain Directory the path to the specific WebLogic Server domain, which is in the *domain* directory.

Click Next if all the information entered is correct.

- 5 In the next window, enter the database server and Security database owner connection information:
  - Database Administrator Login the administrator user name used to log in to the database.
  - Database Administrator Password the password of the database administrator.
  - Security DBO Login Name the name used by the Security database owner to login to the Security database. The default is "acdbdbo".

Enter the login name you set for the Security database owner when you installed Enterprise Portal.

• Security DBO password – the password of the Security database owner. The default is null (blank).

If you performed a custom installation, enter the password you set for the Security database owner when you installed Enterprise Portal.

Click Next.

6 The window shows a series of messages about the progress of the uninstallation.

You see a window saying, "In addition to the following products being uninstalled, Enterprise Portal will be undeployed from the Application Server and Database Server that was selected."

7 The Installer Events Report window appears. In the Installer Event box, the installer events are listed. Select the event title to view an expanded description in the Event Description box.

The Log File Location box shows the location of the uninstall log file.

Click Next.

- 8 The next window shows the uninstall summary. Read the summary, and click Next.
- 9 In the next window, click Finish to exit the uninstaller.
- 10 Delete the entire \$SYBASE directory.

## **Uninstalling Autonomy servers**

This section describes how to uninstall Autonomy servers.

#### Uninstalling Autonomy servers

- 1 Stop Autonomy servers, by navigating to *<Autonomy\_Install\_Dir>/bin* and using the *.sh* scripts.
- 2 Navigate to the <*Autonomy\_Install\_Dir*>/UninstallerData directory.
- 3 Run Uninstall\_IDOLserver to uninstall the features installed with Autonomy.
- 4 From the parent directory of *<Autonomy\_Install\_Dir>*, remove the *autonomy* directory using the rm -rf command.

# Index

## **Symbols**

\$BEA installation directory viii
\$SYBASE installation directory viii
<Autonomy\_Install\_Dir> installation directory 19
<PS\_Install\_Dir> installation directory 21

## Α

Adaptive Server Anywhere default values - 5 running the portal database on 14 starting ASA 14 system requirements 4 administrator console, WebLogic Server 17 Alternate Control Database configuring an alternate 17 audit database, configuring an alternate 17 Autonomy files on installation CD 2,19 installation directory 19 installation tasks 18 migrating Portal Search DRE data 21 system requirements 4 uninstalling Autonomy servers 29 Autonomy portlets 2

## В

boot.properties file 8

## С

classes 12.jar file 8 commands **portaldatabase.sh** 14 unlimit descriptors 7 component default values 4 conventions, syntax vii CUSTOMIZE.sh 20

## D

default values Adaptive Server Anywhere 5 all components 4 Enterprise Portal ACDB 5 Enterprise Security 5 Oracle 4 WebLogic Server 5 documentation jConnect for JDBC vi domain name, finding 6 DOREPLACE.sh 20

## Ε

Enterprise Portal Access Control Database (ACDB) default values 5 configuring an alternate ACDB 17 Enterprise Security 15 Enterprise Security default values 5 installation CD 2.19 installation directory viii installation tasks 9 installing with WebLogic Server 3 overview 1 pre-installation tasks 6 running Portal Interface 15, 24 running Portal Studio 16 system requirements 4 uninstalling 27 verifying installation 14 **Enterprise Security** 

#### Index

creating Portal Studio users 15 default values 5 environment variables SYBASE viii EP See Enterprise Portal

# F

files portlets.cfg 22 Ports.txt 22 web.xml 22, 23 finding your domain name 6

# I

installation directory Autonomy 19 **Enterprise Portal** viii Portal Search 21 WebLogic Server viii installation tasks for installing Autonomy servers 18 for installing Enterprise Portal 9 installing WebLogic Server 7 Internet Explorer, system requirements 4 ISO 9660, CD-reading errors 9

## J

Java Development Kit, system requirements 4

## L

Laune ACI Port 22 LISTENER needed for Oracle 8 localizing the Oracle database 17

## Μ

migration tasks for Portal Search 21

## Ν

Nore ACI Port 22

## 0

Oracle classes12.jar file 8 configuring for multibyte support 17 defaults 4 LISTENER 8 pre-installation tasks 6, 8 system requirements 4 verifying installation 8 overview 1

## Ρ

passwords choosing 15 default values 4 portal database running on Adaptive Server Anywhere 3, 4, 5, 14 running on Oracle 3, 4, 8 portal guest page 15, 16 Portal Interface, running 24 Portal Search Autonomy portlets 2 installation directory 21 migration tasks 21 Portal Studio, running 16 portlets.cfg file 22 Ports.txt file 22 pre-installation tasks for installing Enterprise Portal 6 for installing Oracle 6, 8 for installing WebLogic Server 6,7 profile information 15

## R

redirecting 6 running Portal Interface 15

# S

scripts CUSTOMIZE.sh 20 DOREPLACE.sh 20 WebLogic Server startup script 7 starting ASA 14 startup script 7 Suir (Engine) ACI Port 22 Sun Solaris, system requirements 4 SYBASE environment variable viii syntax conventions vii system requirements 3 Adaptive Server Anywhere 4 Autonomy 4 **Enterprise Portal** 4 Internet Explorer 4 JDK 4 Oracle 4 Sun Solaris 4 WebLogic Server 4

# Т

temporary directory 6

# U

uninstalling Autonomy servers 29 Enterprise Portal 27 unlimit descriptors command 7 user name default values 4 logging in 15

# V

verifying Enterprise Portal installation 14 Oracle installation 8

## W

web.xml file 22, 23 WebLogic Server 7 administrator console 17 boot.properties file 8 default values 5 installation directory viii pre-installation tasks 6,7 system requirements 4 unlimit descriptors 7

Index