



Installation Guide

Unwired Orchestrator™

Version 5.0

[Windows, Solaris]

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About This Book

Sybase® Unwired Orchestrator™ provides the tools to model real world business processes and set up business process monitoring. With Unwired Orchestrator, you can work from a high-level design model down to an executable model within a single environment.

Audience

The primary user of this document is the system administrator who is responsible for the installation of Unwired Orchestrator.

How to use this book

This document describes how to perform an installation of Unwired Orchestrator. It is organized into the following sections:

- “About This Book” describes the Unwired Orchestrator documentation set, other sources of information, accessibility, and documentation conventions and provides the contact information for Technical Support.
- Chapter 1, “Installation Requirements” outlines the requirements for preparing your environment for an installation of Unwired Orchestrator.
- Chapter 2, “Installation Planning” provides options to the standard Unwired Orchestrator installation scenario. Use the workflows as checklists to assist you in completing the process.
- Chapter 3, “Server Installation on Windows” describes the installation of the Unwired Orchestrator server components on a Windows platform.
- Chapter 4, “Server Installation on Solaris” describes the installation of the Unwired Orchestrator server components on a Solaris platform.
- Chapter 5, “Tooling Installation” describes the tooling installation for Unwired Orchestrator.
- Chapter 6, “Adaptive Server Enterprise Installation” describes the installation of Adaptive Server Enterprise for Database Development on a Windows platform.
- Chapter 7, “EAServer Configuration” describes the configuration of EAServer. The Configurator enables service deployment to a standalone EAServer 5.2 Production Edition server.

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- Chapter 8, “Uninstallation” describes the uninstallation of Sybase WorkSpace tooling, Adaptive Server Enterprise, and the Unwired Orchestrator server components.
 - Chapter 9, “Runtime Database Administration” provides recommendations for Adaptive Server Anywhere (ASA) and Adaptive Server Enterprise (ASE) database distribution and administration for Unwired Orchestrator Production Edition.
 - Chapter 10, “License Upgrades” describes how to upgrade Sybase WorkSpace and Unwired Orchestrator licenses.
 - Chapter 11, “Troubleshooting” provides information for troubleshooting problems that may result during or directly after a Sybase WorkSpace or Unwired Orchestrator installation.

Related documents

This section describes the Unwired Orchestrator 5.0 documentation.

Sybase WorkSpace online bookshelf The following describes the online bookshelf collections and PDF files:

Sybase WorkSpace Development

- *RepConnector™ Configuration and User’s Guide 2.5*

Sybase PowerDesigner 11.1

Sybase WorkSpace Server Administration 1.0

- *EAServer 5.2*
- *Adaptive Server Anywhere 9.0.2*
- *Adaptive Server Enterprise 12.5.2*
- *Adaptive Server Enterprise 12.5.1*
- *Unwired Accelerator 7.0*

Sybase WorkSpace web help The web-based Runtime Management Console includes the following:

Runtime Management Console Online Help 5.9

Sybase WorkSpace Getting Started CD The Unwired Orchestrator Getting Started CD includes the following documents:

Unwired Orchestrator 5.0 Installation Guide

Unwired Orchestrator 5.0 Release Bulletin

Adaptive Server Enterprise 12.5.1 Installation Guide

Unwired Accelerator 7.0 Installation Guide

To access the Product Manuals Web site, go to Product Manuals at <http://www.sybase.com/support/manuals>.

Other sources of information

Use the Sybase Getting Started CD, the SyBooks CD, and the Sybase 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 SyBooks CD. It is included with your software. To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.
- The SyBooks CD contains product manuals and is included with your software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format.

Some documentation may be provided in PDF format, which you can access through the PDF directory on the SyBooks CD. To read or print the PDF files, you need Adobe Acrobat Reader.

Refer to the *SyBooks Installation Guide* on the Getting Started CD, or the *README.txt* file on the SyBooks CD for instructions on installing and starting SyBooks.

- The Sybase Product Manuals Web site is an online version of the SyBooks CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

To access the Sybase Product Manuals Web site, go to Product Manuals at <http://www.sybase.com/support/manuals/>.

Sybase certifications on the Web

Technical documentation at the Sybase Web site is updated frequently.

❖ Finding the latest information on product certifications

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Select Products from the navigation bar on the left.
- 3 Select a product name from the product list and click Go.

- 4 Select the Certification Report filter, specify a time frame, and click Go.
- 5 Click a Certification Report title to display the report.

❖ **Finding the latest information on component certifications**

- 1 Point your Web browser to Availability and Certification Reports at <http://certification.sybase.com/>.
- 2 Either select the product family and product under Search by Product; or select the platform and product under Search by Platform.
- 3 Select Search to display the availability and certification report for the selection.

❖ **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.

❖ **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 Select EBFs/Maintenance. If prompted, enter your MySybase user name and password.
- 3 Select a product.
- 4 Specify a time frame and click Go. A list of EBF/Maintenance releases is displayed.

Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as a Technical Support Contact. If you have not registered, but have valid information provided by your Sybase representative or through your support contract, click Edit Roles to add the “Technical Support Contact” role to your MySybase profile.

- 5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

Accessibility features

The online help for this product is also provided in HTML and PDF, which you can navigate using a screen reader.

You can get additional information about Sybase accessibility at <http://www.sybase.com/accessibility>. The Sybase Accessibility site includes links to information on Section 508 and W3C standards.

Note You might need to configure your accessibility tool for optimal use. Some screen readers pronounce text based on its case; for example, they pronounce ALL UPPERCASE TEXT as initials, and MixedCase Text as words. You might find it helpful to configure your tool to announce syntax conventions. Consult the documentation for your tool.

Conventions

The following formatting conventions are used in this manual:

Formatting example	To indicate
command names and method names	When used in descriptive text, this font indicates keywords such as: <ul style="list-style-type: none">• Command names used in descriptive text• C++ and Java method or class names used in descriptive text• Java package names used in descriptive text
<i>myCounter</i> variable <i>Server.log</i> <i>myfile.txt</i> <i>User Guide</i>	Italic font indicates: <ul style="list-style-type: none">• Program variables• Parts of input text that must be substituted• Directory and file names• Book titles
<i>sybase\bin</i>	A backward slash (“\”) indicates cross-platform directory information. A forward slash (“/”) applies to information specific only to UNIX. Directory names appearing in text display in lowercase unless the system is case sensitive.
“About This Book”	References to chapter titles have initial caps and are enclosed within quotation marks.
File Save	Menu names and menu items are displayed in plain text. The angle bracket indicates how to navigate menu selections, such as from the File menu to the Save option.
parse put get Name Address	The vertical bar indicates: <ul style="list-style-type: none">• Options available within code• Delimiter within message examples

Formatting example	To indicate
create table	Monospace font indicates: <ul style="list-style-type: none"> Information that you enter on a command line or as program text. Example output fragments
table created	
Type the <i>Name</i> of the attribute. Click <i>Apply</i> .	GUI field or button name that is the recipient of a procedural action.
setup -is:tempdir <full path to alternate temp directory>	Information that must be supplied by the user is displayed between brackets.

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.

See the *Customer Services Reference Guide* for more information on Support Services, education, and consulting services.

Installation Requirements

This chapter outlines the requirements for preparing your environment for an installation of Unwired Orchestrator.

Topic	Page
Environment Preparation	1
Network Support	2
Platform Support	3
Disk Space and Memory Requirements	5
Third Party Software	6
Screen Resolution	8

Note Review the *Release Bulletin* included on the Getting Started CD or Sybase Manuals Web site for any last-minute updates to this *Installation Guide*.

Environment Preparation

Before you begin installing the product, review the following information.

Administrative Rights

To install Unwired Orchestrator, you must have administrative privileges.

- On Windows, you need administrative privileges to run the installer and Unwired Orchestrator component applications.
- On UNIX, you need root privileges to mount the CDs. You may run the installer as root or another user as long as you have write permissions for the installation location.

However, you may want to run the installer as root and assign another user to own the process, directories, and files. To do so, see the installation instructions in this guide for your specific platform.

Temporary Installation Directory

During the installation process, the installer uses a temporary directory while it runs.

Table 1-1: Temporary installation directory

Platform	Default location	Disk space
Windows	C:\temp	100MB
UNIX	/var/tmp	100MB

Note

- If enough space is not available in the default temporary location, the installer might not start, or it might start but notify you that sufficient space is not available.
- If your UNIX environment implements the User Quota system, verify that there is enough free space under the quota limit to satisfy the disk space requirements for Unwired Orchestrator. See “Disk Space and Memory Requirements” on page 5.

❖ **To provide additional space**

- Choose from the following:
 - Move or delete files to provide space on the default temporary directory.
 - For Windows, change the setting of the environment variable %TMP% to point to a location with sufficient space.

Network Support

The Sybase WorkSpace and Unwired Orchestrator installers do not support a network installation.

Platform Support

The following tables identify the supported operating systems and databases, for Sybase WorkSpace and Unwired Orchestrator.

Server Components

In addition to installing Unwired Orchestrator Production Edition server, which includes an installation of Adaptive Server Anywhere 9.0.2 Production Edition, and EAServer 5.2 Production Edition, you also have the option of installing the following Sybase Workspace Developer Edition servers.

Table 1-2: Unwired Orchestrator Production Edition server

Component	Operating System	Java Development Kit
Unwired Orchestrator 5.0 Production Edition	Windows 2000 Professional <i>Service Pack 4 or higher</i>	JDK 1.4.2_06
Unwired Orchestrator 5.0 Production Edition with Database Event Management	Windows 2000 Advanced Server <i>Service Pack 4</i>	
	Windows XP Professional <i>Service Pack 1 or 2</i>	
	Windows 2003 Standard <i>Service Pack 1</i>	
	Windows 2003 Enterprise <i>Service Pack 1</i>	
	Solaris 8	
	<i>SunOS 5.8</i>	
	<i>Generic_108528-23</i>	
	Solaris 9	
	<i>SunOS 5.9</i>	
	<i>Generic_112233-08</i>	

Table 1-3: Sybase WorkSpace Developer Edition servers

Component	Operating system	Java Development Kit
Unwired Accelerator 7.0 Developer Edition (Tomcat)	Windows 2000 Professional <i>Service Pack 4 or higher</i>	JDK 1.4.2_06
Unwired Accelerator 7.0 Developer Edition (EAServer) <i>EBF # 12773</i>	Windows 2000 Advanced Server <i>Service Pack 4</i> Windows XP Professional <i>Service Pack 1 or 2</i> Windows 2003 Standard <i>Service Pack 1</i> Windows 2003 Enterprise <i>Service Pack 1</i>	
Adaptive Server Enterprise 12.5.3, ESD#2 Developer Edition <i>EBF # 12461</i>	Windows 2000 Professional <i>Service Pack 4 or higher</i> Windows 2000 Advanced Server <i>Service Pack 4</i> Windows XP Professional <i>Service Pack 1 or 2</i> Windows 2003 Standard <i>Service Pack 1</i> Windows 2003 Enterprise <i>Service Pack 1</i>	JDK 1.4.2_06

Tooling Components

Table 1-4: Sybase WorkSpace Tooling

Operating system	Java Development Kit	Eclipse
Windows 2000 Professional <i>Service Pack 4 or higher</i> Windows XP Professional <i>Service Pack 1 or 2</i>	JDK 1.4.2_06	Version 3.0.1

Disk Space and Memory Requirements

Table 1-5: Installation Media

Product	Media
Unwired Orchestrator	CD-ROM
Sybase WorkSpace	CD-ROM or DVD

The following tables provide the minimum system requirements for a typical or custom installation of Sybase WorkSpace and Unwired Orchestrator, including minimum requirements for the Eclipse framework and the Java Development Kit.

Server Components

Table 1-6: Unwired Orchestrator Production Edition server

Operating system	Disk space	Memory	Speed/CPU
Windows 2000	1GB	1GB	1.8 GHz
Windows XP			1 CPU
Windows 2003			
Solaris 8	1.5GB	1GB	400 MHz
Solaris 9			2 CPUs

Table 1-7: Unwired Orchestrator Production Edition server and Database Event Management

Operating system	Disk space	Memory	Speed/CPU
Windows 2000	1.5GB	1GB	1.8 GHz
Windows XP			1 CPU
Windows 2003			
Solaris 8	1.5GB	1GB	400 MHz
Solaris 9			2 CPUs

Additional Server Components

Table 1-8: Adaptive Server Enterprise Developer Edition server

Component	Installation Type	Disk space	Memory	Speed/CPU
Adaptive Server Enterprise	Typical	400MB	1GB	1.8 GHz 1 CPU
ASE Web Services	Custom			

Tooling Components

Table 1-9: Sybase WorkSpace Tooling

License Key	Installation Type	Disk space	Memory	Speed/CPU
WorkSpace	Typical	700MB	1GB	1.2 GHz
WorkSpace MX	Typical	900MB	1GB	1.2 GHz
WorkSpace MX Enterprise	Typical	900MB	1GB	1.2 GHz
WorkSpace TX	Typical	900MB	1GB	1.2 GHz
WorkSpace TX Enterprise	Typical	1GB	1GB	1.2 GHz
WorkSpace Evaluation	Typical	1GB	1GB	1.2 GHz

Third Party Software

Review the following information for third-party software requirements for Sybase WorkSpace and Unwired Orchestrator. Exceptions to these requirements are noted in the Description column.

Table 1-10: Unwired Orchestrator

Software	Description
Operating system	Required. See “Platform Support” on page 3 for more information.

Software	Description
Transport application	<p>If you do not plan to use the fully configured Java Message Service (JMS) transport, you must install one of the supported transport types:</p> <ul style="list-style-type: none"> • EAServer JMS 5.2 • JBossJMS 4.0 • IBM WebSphere MQ JMS 5.3 • OpenJMS 0.7.6 • TIBCO JMS 3.1.1 or 4.2 • Email (POP inbound, SMTP outbound) • Flat File • FTP (outbound) <p>See the <i>Sybase WorkSpace Development</i> collection on the Sybase WorkSpace online bookshelf for more information on supported transport types.</p>

Table 1-11: Sybase WorkSpace Tooling

Software	Description
Operating system	<p>Required.</p> <p>See Table 1-4 on page 4 for supported operating systems.</p>
Internet browser	<p>Required to access the web-based Runtime Management Console.</p> <p>The following are supported:</p> <ul style="list-style-type: none"> • Internet Explorer 5.x or 6.x • Netscape 6.x or 7.x
JDBC Drivers	<p>Required if you do not plan to use the jConnect drivers for ASA 9.0.2 and ASE 12.5.3, EBF #2 that are included in the installation package.</p> <p>See the <i>Sybase WorkSpace Server Administration</i> collection on the Sybase WorkSpace online bookshelf for more information on setting up JDBC drivers.</p>

Screen Resolution

A minimum setting of 1024 by 768 pixels is required for your screen to display all the elements of the Sybase WorkSpace.

❖ **To adjust your screen resolution:**

- 1 Select *Start / Settings / Control Panel*.
- 2 Double-click *Display* in the Control Panel window to open the Display Properties dialog box.
- 3 Select the *Settings* tab.
- 4 Adjust your screen resolution to be *1024 by 768 pixels*, and click *Apply*.
- 5 Click *OK*.

Installation Planning

This chapter provides options to the standard Unwired Orchestrator installation scenario. Use the workflows as checklists to assist you in completing the process.

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Installing Unwired Orchestrator Production Edition and Sybase WorkSpace Tooling for the First Time

You have the option of installing Unwired Orchestrator Production Edition server and Sybase WorkSpace tooling on the same machine or separate machines.

For a production environment, Sybase recommends that you install them on separate machines. However, for a development/test environment, you may want to install them on a single machine.

Separate Installation

- Install Unwired Orchestrator Production Edition on machine A.
See Chapter 3, “Server Installation on Windows.”
- Install Sybase WorkSpace tooling on machine B.

Use a Typical or Custom installation to install all the tooling components and any of the Sybase WorkSpace Developer Edition servers except Unwired Orchestrator 5.0 Developer Edition.

See Chapter 5, “Tooling Installation.”

- (Optional) Implement multiple Adaptive Server Anywhere (ASA) or Adaptive Server Enterprise (ASE) databases to separate storage for the Alert Management System, BAM Dashboard, Monitor Console, or BPPEE/Quartz Timers databases for Business Activity Monitoring.

See Chapter 9, “Runtime Database Administration.”

Combined Installation on Windows

- Install Unwired Orchestrator Production Edition on machine A.

See Chapter 3, “Server Installation on Windows.”

- Install Sybase WorkSpace tooling on machine A.

Use a Typical or Custom installation to install all the tooling components.

See Chapter 5, “Tooling Installation.”

Installing Unwired Orchestrator Production Edition with an Existing Sybase WorkSpace Full Installation

If you have an existing full installation of the Sybase WorkSpace tooling and Developer Edition servers, Sybase recommends that you install Unwired Orchestrator Production Edition on a different machine.

Separate Installation

- Retain the existing installation of the Sybase WorkSpace tooling on machine X.
- Install Unwired Orchestrator Production Edition on machine Y.

See Chapter 3, “Server Installation on Windows.”

- (Optional) Implement multiple ASA or ASE databases to separate storage for the Alert Management System, BAM Dashboard, Monitor Console, or BPPE/Quartz Timers databases for Business Activity Monitoring.

See Chapter 9, “Runtime Database Administration.”

Combined Installation on Windows

- If you have an existing full installation of Sybase WorkSpace on machine X, Sybase recommends that you uninstall the Sybase WorkSpace Developer Edition servers before installing Unwired Orchestrator Production Edition on the same machine.

See Chapter 8, “Uninstallation” for more information.

- Install Unwired Orchestrator Production Edition on machine X in a different directory than Sybase WorkSpace.

See Chapter 3, “Server Installation on Windows.”

Installing Unwired Orchestrator with a Standalone EAServer Advanced Edition Installation

If you have a standalone installation of EAServer 5.2 Advanced Edition server, you have the option of installing Unwired Orchestrator Production Edition server and then deploying to a standalone EAServer installation.

- Install Unwired Orchestrator Production Edition.

See Chapter 3, “Server Installation on Windows” or Chapter 4, “Server Installation on Solaris” for more information.

- Install the EAServer EBF #1. Do the following:

- Insert the Sybase WorkSpace installation media and browse the directory for the EBF file:

`\\<installation media directory>\modules\easerver\EBF.zip`

- Unzip the *EBF.zip* file and follow the instructions in the README.txt file to install the EBF.

- Upgrade to EAServer Advanced Edition with 2-Phase Commit if you have EAServer Advanced Edition installed.

Copy the EAServer license file to one of the following directories:

Table 2-1: EAServer License Files

Platform	License File	Target Directory
Windows	<install directory>/Orch-5_0/ EAServer/ini/SYBASE_EAS.lic	<install directory>/EAServer/ini
Solaris	<install directory>/Orch-5_0/ EAServer/config/SYBASE_EAS.lic	<install directory>/EAServer/ config

- Run the Configurator to set up your EAServer standalone installation to work with Unwired Orchestrator.

See Chapter 7, “EAServer Configuration” for more information.

- Change EAServer ports.

See in the *EAServer 5.2 Security Administration and Programming Guide* on the Sybase WorkSpace online bookshelf for more information on changing ports.

- Create an EAServer connection profile that points to the existing EAServer installation.

See *Creating a Service Container (EAServer) Connection Profile* on the Sybase WorkSpace online bookshelf for information.

Installing Sybase WorkSpace with a Standalone Sybase PowerDesigner Installation

If you have an existing installation of PowerDesigner, use the following guidelines to install Sybase WorkSpace.

Table 2-2: Installation Scenarios

Existing PowerDesigner Installation	Sybase WorkSpace Installation
Version earlier than 11.0	Installs the Enterprise Modeling feature, using the new PowerDesigner 11.1 installation.

Existing PowerDesigner Installation	Sybase WorkSpace Installation
Version 11.0	Installs the Enterprise Modeling feature, upgrading the existing PowerDesigner installation to 11.1.
Version 12.0	Installs the Enterprise Modeling feature, using PowerDesigner 11.1, but requires a different Enterprise Modeling plugin to work with Sybase WorkSpace 1.0. Contact your Sybase Representative for more information on PowerDesigner 12.0.

Note If you have an existing installation of PowerDesigner and install Sybase WorkSpace 1.0 using the WorkSpace license which does not include the Enterprise Modeling features, contact your Sybase representative for information on obtaining the Sybase WorkSpace plugins that install the Enterprise Modeling features.

Server Installation on Windows

This chapter describes the installation of the Unwired Orchestrator server components on a Windows platform.

Topic	Page
License Keys	15
Installing Unwired Orchestrator Server Components	16
Reviewing the Installation	18
Starting Unwired Orchestrator	19
Reinstalling Unwired Orchestrator Server Components	20

Note Before beginning this installation, be sure that you have read Chapter 1, “Installation Requirements.”

License Keys

During the installation process, you are prompted to select a license key to enable your installation. The following list defines the installation options available on the Windows platform.

Unwired Orchestrator Production Edition

Installs the full Production Edition of Unwired Orchestrator 5.0, including EAServer 5.2, and ASA 9.0.2.

Unwired Orchestrator with Database Event Management

Installs the full Production Edition of Unwired Orchestrator 5.0, including EAServer 5.2, ASA 9.0.2, and RepConnector 2.5.

Database Event Management Upgrade

Installs RepConnector 2.5 into an existing installation of Unwired Orchestrator 5.0.

Installing Unwired Orchestrator Server Components

In this guide, *<installation directory>* refers to the installation directory designated at the time of installation. On Windows, the default directory is *C:\Sybase*. Be sure that you have read/write permissions for the specified installation directory.

- If the installation directory does not exist, the installer creates it for you.
- If you get a memory error while installing, see “Temporary Installation Directory” on page 2.

The following procedures describe how to install the Unwired Orchestrator server on Windows.

Note You have the option of installing the Unwired Orchestrator on a machine that is separate from Sybase WorkSpace 1.0 installation.

Note If firewall parameters are set to high levels, one of the following messages may appear:

- *Java.exe trying to access the internet*
- *Do you want to keep blocking this program? Java.exe*

Select the appropriate response to continue the installation.

❖ To install Unwired Orchestrator server components on Windows

Prerequisites: Verify that you are logged onto the server with administrative rights. See “Administrative Rights” on page 1 for more information.

- 1 Insert the *Unwired Orchestrator* CD-ROM.
- 2 Start the installer:

If your machine is configured to autorun from the CD-ROM, InstallShield Wizard automatically starts.

If your machine is not configured to autorun from the CD-ROM, do the following:

- a Select *Start>Run* from the Windows Start menu.
- b In the Run dialog box, browse to locate the setup file:

`<CD-ROM drive>:\setup.exe`

- c Click *OK*.

The Installer Welcome window appears.

- 3 Initiate the installation process. Click *Next* on the Installer Welcome window.

The License Agreement window appears.

- 4 Select the geographic location from the drop-down list for your installation of the software.

The license agreement appears in the main section of the window. If you do not see the agreement, scroll down.

- 5 Select the appropriate option to accept the terms of the Sybase license, and click *Next*. You must accept the terms of the license to continue with the installation.

The License Key window appears.

- 6 Enter the license key supplied with your installation media, and click *Next*.
- 7 Specify an installation directory. Choose one of the following:

- a Click *Next* to install Unwired Orchestrator in the default directory C:\Sybase. This option is recommended.

If the directory does not exist, you are prompted to confirm creation of this directory before continuing.

- b Click *Browse* to designate another directory, then click *Next* to continue.

Note

- Note that directory names are case-sensitive.
 - Use English characters for all directory names.
 - Use single-byte characters for the installation directory path.
See the *Sybase WorkSpace 1.0 Release Bulletin* under *Internationalization Issues* for more information.
 - Do not designate the Sybase WorkSpace installation directory to be the same as Adaptive Server Enterprise 15.0. Doing so will result in errors when deploying services.
-

The Installer checks disk space. If space is sufficient, the Installation Summary window appears.

- 8 Click *Install* to begin installing the product.

The installer displays the progress of the installation.

- 9 Click *Finish* when the following message appears:

Sybase Unwired Orchestrator 5.0 has been installed successfully.

Reviewing the Installation

Use the following tables to review Unwired Orchestrator Production Edition installation subdirectories.

Table 3-1: <installation directory>/Orch-5_0

Directory	Description
_jvm	Java Virtual Machine files
\almansys	Alert Management System files (MIB, samples, PersonalAlert.xsd) and classes for the alert drivers (JMS, IAnywhere, JavaMail)
\app	Driver .ear files and the <i>RTConsole.war</i> file.
\asa	Adaptive Server Anywhere database application and database development scripts

Directory	Description
\bin	Shared libraries, wrapper scripts. .bin subdirectory with executables for performing command line actions on data and utilities for the Monitoring component
\config	Configuration files for EAServer.
\dbs	Default prebuilt database files for use by the runtime engine
\EAServer	EAServer files \repra subdirectory for the Database Event Management files, if installed.
\install.sql	ASA and ASE database script files
\ismpeLogs	Installation log files
\jar	Jar archive files
\JDK1.4.2_06	Java 2 Platform Standard edition files
\monitor59	Monitoring example files and the <i>nmsyreg.dat</i> configuration file
\NNSYCatalogues	Ctg message and error message files
\quartz	Quartz system files
\Shared	EAServer shared files
\templates	Start up scripts for the UDDI server and XSD files for business process access to email and JMS headers.
\uninstaller	Uninstallation scripts

Starting Unwired Orchestrator

Use the Windows Start menu or the command line to start Unwired Orchestrator on Windows.

See Sybase WorkSpace online bookshelf for Unwired Orchestrator product documentation.

- ❖ **To start Unwired Orchestrator from the Windows Start menu**
 - Select *Start / Programs / Sybase / Unwired Orchestrator 5.0 / Start UO5.0Runtime*.
- ❖ **To start Unwired Orchestrator from the command line**
 - Run the following script:

<installation directory>\Orch-5_0\bin\or50timeEAS_start.cmd

Reinstalling Unwired Orchestrator Server Components

If you want to reinstall any of Unwired Orchestrator Server components, Sybase recommends that you uninstall and reinstall Unwired Orchestrator.

See Chapter 8, “Uninstallation” for more information.

Note Unwired Orchestrator is set up to only have one version of Unwired Orchestrator running at a time. If you install a second version of Unwired Orchestrator to another location, Unwired Orchestrator will point to the latest installation as the currently running version.

Server Installation on Solaris

This chapter describes the installation of the Unwired Orchestrator server components on a Solaris platform.

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Installing Unwired Orchestrator Server Components	22
Reviewing the Installation	24
Starting Unwired Orchestrator	25
Reinstalling Unwired Orchestrator Server Components	25

Note Before beginning this installation, be sure that you have read Chapter 1, “Installation Requirements.”

License Keys

During the installation process, you are prompted to select a license key to enable your installation. The following list defines the installation options available on the Solaris platform.

Unwired Orchestrator Production Edition

Installs the full Production Edition of Unwired Orchestrator 5.0, including EAServer 5.2, and ASA 9.0.2.

Unwired Orchestrator with Database Event Management

Installs the full Production Edition of Unwired Orchestrator 5.0, including EAServer 5.2, ASA 9.0.2, and RepConnector 2.5.

Database Event Management Upgrade

Installs RepConnector 2.5 into an existing installation of Unwired Orchestrator 5.0.

Installing Unwired Orchestrator Server Components

In this guide, *<installation directory>* refers to the installation directory designated at the time of installation. On Solaris, the default directory is */opt/Sybase*. Be sure that you have read/write permissions for the specified installation directory.

- If the installation directory does not exist, the installer creates it for you.
- If you get a memory error while installing, see “Temporary Installation Directory” on page 2.

The following procedures describe how to install the Unwired Orchestrator server on Solaris.

❖ To install Unwired Orchestrator server on Solaris

Prerequisites: Verify that you are logged onto the server with administrative rights. See “Administrative Rights” on page 1 for more information.

- 1 Start the InstallShield Wizard. Choose from the following:
 - Set the IP address to the machine where you will view the install to the following:
`export DISPLAY=<IP address:0.0>`
 - Change to the correct directory. Type the following at the command prompt:
`cd <installation directory>`
- 2 Run the setup command.
The Installer Welcome window appears.
- 3 Click *Next* on the installer Welcome window.
The License Agreement window appears.
- 4 Select the geographic location from the drop-down list for your installation of the software.

The license agreement appears in the main section of the window. If you do not see the agreement, scroll down.

- 5 Select the appropriate option to accept the terms of the Sybase license, and click *Next*. You must accept the terms of the license to continue with the installation.

The License Key window appears.

- 6 Enter the license key supplied with your installation media, and click *Next*.
- 7 Specify an installation directory. Choose one of the following:

- a Click *Next* to install Unwired Orchestrator in the default directory `/opt/Sybase`. This option is recommended.

If the directory does not exist, you are prompted to confirm creation of this directory before continuing.

- b Click *Browse* to designate another directory, then click *Next* to continue.

Note

- Note that directory names are case-sensitive.
- Use English characters for all directory names.
- Use single-byte characters for the installation directory path.

See the *Sybase WorkSpace 1.0 Release Bulletin* under *Internationalization Issues* for more information.

- Do not designate the Sybase WorkSpace installation directory to be the same as Adaptive Server Enterprise 15.0. Failure to do so will result in errors when deploying services.
-

The Installer checks disk space. If space is sufficient, the Installation Summary window appears.

- 8 Click *Install* to begin installing the product.
The installer displays the progress of the installation.
- 9 Click *Finish* when the following message appears:
Sybase Unwired Orchestrator 5.0 has been installed successfully.
- 10 Unmount the CD-ROM. Enter the following:

```
umount /<mnt-dir>
```

Note If you are running Volume Management, type *eject*.

Reviewing the Installation

Use the following tables to review Unwired Orchestrator Production Edition installation subdirectories.

Table 4-1: <installation directory>/Orch-5_0

Directory	Description
/_jvm	Java Virtual Machine files
/almanys	Alert Management System files (MIB, samples, PersonalAlert.xsd) and classes for the alert drivers (JMS, IAnywhere, JavaMail)
/app	Driver .ear files and the <i>RTConsole.war</i> file.
/asa	Adaptive Server Anywhere database application and database development scripts
/bin	Shared libraries, wrapper scripts. <i>.bin</i> subdirectory with executables for performing command line actions on data and utilities for the Monitoring component
/config	Configuration files for EAServer.
/dbs	Default prebuilt database files for use by the runtime engine
/EAServer	EAServer files <i>\repra</i> subdirectory for the Database Event Management files, if installed.
/install.sql	ASA and ASE database script files
/ismpeLogs	Installation log files
/jar	Jar archive files
/JDK1.4.2_06	Java 2 Platform Standard edition files
/monitor59	Monitoring example files and the <i>nnsyreg.dat</i> configuration file
/NNSYCatalogues	Ctg message and error message files
/quartz	Quartz system files
/Shared	EAServer shared files

Directory	Description
/templates	Start up scripts for the UDDI server and XSD files for business process access to email and JMS headers.
/uninstaller	Uninstallation scripts

Starting Unwired Orchestrator

Use the command line to start Unwired Orchestrator on Solaris.

See Sybase WorkSpace online bookshelf for Unwired Orchestrator product documentation.

❖ **To start Unwired Orchestrator from the command line**

- Run the following script:

```
<installation directory>/Orch-5_0/bin/or50rttimeEAS_start.sh
```

Reinstalling Unwired Orchestrator Server Components

If you want to reinstall any of Unwired Orchestrator Server components, Sybase recommends that you uninstall and reinstall Unwired Orchestrator.

See Chapter 8, “Uninstallation” for more information.

Note Unwired Orchestrator is set up to only have one version of Unwired Orchestrator running at a time. If you install a second version of Unwired Orchestrator to another location, Unwired Orchestrator will point to the latest installation as the currently running version.

Tooling Installation

This chapter describes the Sybase WorkSpace installation for Unwired Orchestrator.

Topic	Page
License Keys	27
Installing Simulators for Mobile Development	30
Installing Sybase WorkSpace Tooling	30
Reviewing the Installation	36
Completing Post Installation Configuration	37
Starting Sybase WorkSpace	39
Installing Additional Sybase WorkSpace Components	41

Note Before beginning this installation, be sure that you have read Chapter 1, “Installation Requirements.”

License Keys

During the installation process, you are prompted to select a license key to enable your installation. The following list defines the installation options available on the Windows platform.

Note To run the Sybase WorkSpace Tutorials or Samples, you need to be licensed at the *WorkSpace TX* or *WorkSpace TX Enterprise* levels.

WorkSpace

Enables installation of the following components.

Table 5-1: Workspace license

Tooling Component	Server Component
Database Development tooling	Adaptive Server Anywhere Developer Edition server
Service Development tooling	EAServer Developer Edition server
Business Process and Integration tooling	Unwired Orchestrator Developer Edition server
Mobile Development tooling	Unwired Accelerator Developer Edition server (Tomcat and EAServer)

Note This license does not include any of the Enterprise Modeling tools.

Workspace MX

Enables installation of the following components.

Table 5-2: Workspace MX license

Tooling Component	Server Component
Enterprise Modeling (PowerDesigner) with: <ul style="list-style-type: none">• Requirements modeling• Data modeling (Physical Data modeling)• Object modeling (UML and Object-oriented modeling)• Information Liquidity modeling• XML modeling• Free modeling	None
Database Development tooling	Adaptive Server Anywhere Developer Edition server
Service Development tooling	EAServer Developer Edition server
Business Process and Integration tooling	Unwired Orchestrator Developer Edition server
Mobile Development tooling	Unwired Accelerator Developer Edition server (Tomcat and EAServer)

WorkSpace MX Enterprise

Enables installation of all *WorkSpace MX* components plus the Enterprise Modeling Meta-data Repository.

Workspace TX

Enables installation of the following components:

Table 5-3: WorkSpace TX license

Tooling Component	Server Component
Enterprise Modeling (PowerDesigner) with: <ul style="list-style-type: none"> • Requirements modeling • Data modeling (Physical Data modeling and Conceptual Data modeling) • Object modeling (UML and Object-oriented modeling) • Business Process modeling • Information Liquidity modeling • XML modeling • Free modeling 	None
Database Development tooling	Adaptive Server Anywhere Developer Edition server
Service Development tooling	EAServer Developer Edition server
Business Process and Integration tooling	Unwired Orchestrator Developer Edition server
Mobile Development tooling	Unwired Accelerator Developer Edition server (Tomcat and EAServer)

WorkSpace TX Enterprise

Enables installation of all *WorkSpace TX* components plus the Enterprise Modeling Meta-data Repository.

Workspace Evaluation

Enables a Workspace TX Enterprise installation for a trial period with an option to extend the trial period.

Installing Simulators for Mobile Development

Mobile developers who want to enable the launching of BlackBerry or M-Business simulators directly from Sybase Workspace must install the simulator software before beginning a Sybase Workspace installation.

- ❖ **To install M-Business or BlackBerry**
 - See Chapter 2 of the *Unwired Accelerator 7.0 Installation Guide* located on the *Getting Started* CD of your installation package.

Installing Sybase Workspace Tooling

In this guide, *<installation directory>* refers to the installation directory designated at the time of installation. On Windows, the default directory is *C:\Sybase\Workspace*. If the installation directory does not already exist, the installer creates it for you.

Note

- If firewall parameters are set to high levels, one of the following messages may appear:
 - *Java.exe trying to access the internet*
 - *Do you want to keep blocking this program? Java.exe*Select the appropriate response to continue the installation.
 - When installing on Windows XP using the CD-ROM installation package, you may receive the following error message after inserting CD-ROM #2:

Windows can perform the same action every time you insert a disk.

Click *OK* to close the error message and proceed with the installation.
-

❖ To install Sybase WorkSpace tooling*Prerequisites:*

- Shut down any Sybase products that are currently running.
- Verify that you are logged onto the machine with administrative rights. See “Administrative Rights” on page 1 for more information.

1 Insert the Sybase WorkSpace installation media.

2 Start the installer:

If your machine is configured to autorun from the installation media, InstallShield Wizard automatically starts.

If your machine is not configured to autorun from the installation media, do the following:

- a Select *Start / Run* from the Windows Start menu.
- b In the Run dialog box, browse to locate the setup file:
`<Installation Media drive>:\setup.exe`
- c Click *OK*.

The Installer Welcome window appears.

3 Initiate the installation process. Click *Next* on the Installer Welcome window.

The License Agreement window appears.

4 Select the geographic location from the drop-down list for your installation of the software.

The license agreement appears in the main section of the window. If you do not see the agreement, scroll down.

5 Select the appropriate option to accept the terms of the Sybase license, and click *Next*.

You must accept the terms of the license to continue with the installation.

6 Specify an installation directory. Choose one of the following:

- a Click *Next* to install Sybase WorkSpace in the default directory C:\Sybase\WorkSpace. This option is recommended.

If the directory does not exist, you are prompted to confirm creation of this directory before continuing.

- b Click *Browse* to designate another directory.

Note

- Use English characters for all directory names.
 - Use single-byte characters for the installation directory path.
See the Sybase WorkSpace 1.0 Release Bulletin under Internationalization Issues for more information.
 - Do not designate the Sybase WorkSpace installation directory to be the same as Adaptive Server Enterprise 15.0. Failure to do so will result in errors when deploying services.
-

- c Click the checkbox if you want to reuse an existing Eclipse or JDK installation. This option is recommended for advanced users.

Note To guarantee compatibility with Eclipse and the JDK, Sybase recommends that you use the versions that install with Sybase WorkSpace.

The Product License Information window appears.

- 7 Enter the product license information supplied with your installation media. Complete the following fields and click *Next*:
- Order number
 - Feature name
 - Authorization code

8 Choose one of the following installation types. Then click *Next*.

Table 5-4: Sybase WorkSpace Tooling Installation Types

Type	Description
Typical (recommended)	Installs all components in Sybase WorkSpace tooling: <ul style="list-style-type: none"> Enterprise Modeling (PowerDesigner) Database Development Service Development Business Process and Integration Development Mobile Development
Custom (advanced users)	Installs selected features. Before making your selection, review the components and their dependencies in the following table. <p>Note If you want to enable the use of all of the Sybase WorkSpace Tutorials and Samples, select to install all of the Developer Edition servers except Unwired Orchestrator 5.0.</p>

Table 5-5: Custom Component Selections and Dependencies

Component	Subcomponent	Dependency
Enterprise Modeling (PowerDesigner)	Requirements Modeling	None
	Data Modeling	None
	Object Modeling	None
	Business Process Modeling	None
	Information Liquidity Modeling	None
	Enterprise Meta-data Repository	None
Database Development	Tooling	Service Development tooling
	ASA 9.0.2 Developer Edition	None
Service Development	Tooling	None
	EAServer 5.2 Developer Edition	ASA 9.0.2 Developer Edition

Component	Subcomponent	Dependency
Business Process and Integration Development	Tooling	Service Development tooling
	Unwired Orchestrator 5.0 Developer Edition Warning! Do not select the Unwired Orchestrator Developer Edition after installing Unwired Orchestrator 5.0 Production Edition.	EAServer 5.2 Developer Edition ASA 9.0.2 Developer Edition
Mobile Development	Tooling	Service Development tooling
	Unwired Accelerator 7.0 Developer Edition (Tomcat) Note This is the default server type.	ASA 9.0.2 Developer Edition
	Unwired Accelerator 7.0 Developer Edition (EAServer)	EAServer 5.2 Developer Edition ASA 9.0.2 Developer Edition

9 Choose from the following:

- If you are installing the product using DVD, continue to the next step.
- If you are installing the product using CD-ROM, insert *Sybase WorkSpace CD#2* after CD #1 completes, and click *Next*.

The Mobile Development Domain page appears.

Note If you chose a *Custom* type installation and did not select to install the Mobile Development tooling or the Unwired Accelerator 7.0 Developer Edition, skip the following step as the Mobile Development Domain page does not appear.

10 Identify your company domain for Mobile Development. Choose from the following and click *Next*:

- Select *Enter domain name* and enter your company network domain for the Unwired Accelerator runtime using the format `<mycompanydomain>.com`.
- Select *Domain name unknown* if you do not know the company domain. Then complete the procedure for manually configuring an IP address for mobile development after this installation process is complete.

See “Creating a Substitute Hostname and Domain for Mobile Development” on page 37 for more information.

The Installation Summary window appears.

- 11 Review the installation summary information, and click *Install* to install the product.

The installer displays the progress of the installation.

Note The installation process may take some time to complete. Allow the installer time to run the installation without interruption. Failure to do so may result in problems when launching Sybase WorkSpace.

- 12 Select any of the following and click *Next* to complete the installation:
 - *View Release Bulletin*
 - *Start Sybase WorkSpace 1.0*
 - *Create Sybase WorkSpace 1.0 Shortcut on Desktop*

- 13 Click *Finish* when the following message appears:

Sybase WorkSpace 1.0 has been installed successfully.

Note If you had selected the option to *Start Sybase WorkSpace 1.0*, the Installer Finish Page may be covered by the application. Minimize the application and complete the installation before you continue.

The installer asks if you want to install Adaptive Server Enterprise Developer Edition server. To complete this installation, see Chapter 6, “Adaptive Server Enterprise Installation” for more information.

Reviewing the Installation

Use the following tables to review Sybase WorkSpace installation subdirectories.

Typical Installation

Table 5-6: <installation directory>\Sybase\WorkSpace

Directory	Description
_jvm	Java Virtual Machine files
\DevRuntimes	Adaptive Service Anywhere and Unwired Accelerator (Tomcat) Developer Edition server files
\Eclipse	Eclipse and WorkSpace plugin files, feature files, readme, and workspace metadata
\init	Sybase WorkSpace license file. Warning! Tampering with this file may result in problems launching Sybase WorkSpace.
\InstallLogs	Installation log files
\JDK1.4.2_06	Java 2 Platform Standard edition files
\Modeling	PowerDesigner system files
\Uninstallers	Uninstallation scripts

Custom Installation

If you chose a Custom installation, the subdirectory layout reflects your feature selection.

Use the table under Full Installation to review the directories associated with your installation selection.

Completing Post Installation Configuration

If you plan to use Mobile Development and did not enter a Domain name through the Sybase WorkSpace installer, create a substitute hostname and domain.

If you use multiple Sybase products, make sure you back up a copy of Sybase Central in case problems should occur.

Creating a Substitute Hostname and Domain for Mobile Development

If you installed the Mobile Development component of the Sybase WorkSpace and did not enter a company domain during the installation process, you must create a substitute hostname and domain from your company IP address.

The IP address of each network machine uses the following format:

aa.bb.cc.dd

where each dot delimited value ranges from 0-255.

❖ **To create a substitute hostname and domain from your IP address:**

- 1 Run the *ipconfig* command to determine the IP address of your machine. Choose from the following:

Table 5-7: *ipconfig*

Platform	Command
Windows	ipconfig
UNIX	/sbin/ifconfig -a

- 2 Construct the substitute hostname and domain using the IP address. Do the following:
 - a Use the *aa* portion of the IP address as the hostname.

- b Use the *.bb.cc.dd* portions as the domain name.

Note Sybase recommends that the Unwired Accelerator host machine be given a unique, static IP address on the network.

Running Unwired Accelerator on a machine with an IP address that was dynamically assigned through DHCP will result in continuous maintenance as a dynamically generated IP address can change over time.

- 3 Open the *global.properties.xml* file and globally edit the hostname and domain. Choose from the following:

Table 5-8: *global.properties.xml*

Server	Location
EAServer	<installation directory>\Sybase\WorkSpace\ DevRuntimes\EAServer\Repository\WebApplication \onepage\config\global.properties.xml
Tomcat	<installation directory>\Sybase\Workspace\ DevRuntimes\Tomcat\webapps\onepage\ config\global.properties.xml

Using a file editor, replace *demo* with the IP-based *hostname*. Then replace *sybase.com* with the IP-based domain.

For example, if the IP address of your machine is 192.168.0.2, you would replace *demo* with *192* and *sybase.com* with *168.0.2*.

- 4 If your browser does not allow you to scope a cookie to the IP-based domain value, edit the *loginresponse.xml* file. Choose from the following:

Table 5-9: *loginresponse.xml*

Server	Location
EAServer	<installation directory>\Sybase\WorkSpace\ DevRuntimes\EAServer\Repository\WebApplication \onepage\home\docapps\framework\ loginresponse.xml
Tomcat	<installation directory>\Sybase\WorkSpace\ DevRuntimes\Tomcat\tomcat\webapps\onepage\ home\docapps\framework\loginresponse.xml

Edit the `setSessionCookie` function to be:

```
var cookie = "OPCCLogin="+cookieval + "; path=/";
```

- 5 If you plan to run the Enterprise Edition of Unwired Accelerator in a network without a domain, do the following:
 - a Edit the HTTP/HTTPS listeners to have a full IP address.
 - b Edit the IP address in the Proxy Domain field. Do the following:
 - Select *Servers / Jaguar / Server Properties* from the menu bar.
 - Click the *HTTPConfig* tab.

See *EAServer 5.2 Core Documentation* on the Sybase WorkSpace online bookshelf for more information.

Backing Up the Sybase Central Repository File

After installing the Sybase WorkSpace, Sybase recommends backing up the Sybase Central repository file before continuing with additional Sybase installations.

❖ To back up the repository file

- 1 Locate the following file:
<installation directory>\Sybase\WorkSpace\DevRuntimes\Shared\Sybase Central 4.3\scRepository
- 2 Back up the file.
- 3 Verify that the EAServer plugin is registered. If it is not registered, manually register the plugin.

Starting Sybase WorkSpace

After you install Sybase WorkSpace, launch the Sybase WorkSpace tooling. You may also want to start up the Developer Edition servers at this time.

Launching the Sybase WorkSpace Tooling

Use the Windows Start menu to launch Sybase WorkSpace tooling.

After launching Sybase WorkSpace, you have the option of starting the BlackBerry and M-Business simulators.

❖ **To launch the tooling**

- 1 Open the Sybase WorkSpace. Select *Start / Programs / Sybase / Sybase WorkSpace / Sybase WorkSpace 1.0*.
- 2 Start the mobile simulators. Select *Run / External Tools / <mobile simulator name>* from the menu bar.

Starting the Servers

Use the Windows Start menu to start the servers. The servers available to you depend on the component selection made at the time of installation.

Note With a full installation of Sybase WorkSpace, you have both the Unwired Accelerator (Tomcat) and (EAServer) versions installed. If you start the following servers in combination, port conflicts will result:

- Both Unwired Accelerator (Tomcat) and Unwired Accelerator (EAServer) on the same machine.
- Unwired Orchestrator, EAServer, and then Unwired Accelerator (Tomcat)

See the *Sybase WorkSpace 1.0 Release Bulletin* for more information on resolving port conflicts.

❖ **To start the servers**

- Use the Windows Start menu, and select *Start / Programs / Sybase / Sybase WorkSpace / <Server Name>*.

See the *Sybase WorkSpace Server Administration* collection in the Sybase WorkSpace online bookshelf for the product documentation for each server.

Installing Additional Sybase WorkSpace Components

If you want to install additional Sybase WorkSpace tooling components, the Developer Edition servers, or Adaptive Server Enterprise into an existing Sybase WorkSpace, use the following guidelines.

Sybase WorkSpace Tooling

If you want to install additional tooling components or reinstall an existing component, simply run the installer.

You do not need to uninstall Sybase WorkSpace because the installer detects the existing installation location and automatically displays the custom feature selection page in the wizard.

Note The installer does not allow multiple installations of Sybase WorkSpace on the same machine.

❖ To install additional tooling components

- 1 Shut down all Sybase products.
- 2 Run the Sybase WorkSpace 1.0 installer to add new components or reinstall an existing Sybase WorkSpace tooling or Adaptive Server Anywhere.

See “Installing Sybase WorkSpace Tooling” on page 30 for more information.

Adaptive Server Enterprise

If you want to install Adaptive Server Enterprise (ASE) into an existing Sybase WorkSpace installation, simply run the ASE installer.

You do not need to uninstall Sybase WorkSpace because the installer detects the existing installation location and automatically displays the custom feature selection page in the wizard.

See Chapter 6, “Adaptive Server Enterprise Installation” for more information.

Adaptive Server Enterprise Installation

This chapter describes the installation of Adaptive Server Enterprise (ASE) for Database Development on a Windows platform.

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Adaptive Server Enterprise 12.5.3 Product Documentation Set

The product documentation set for Adaptive Server Enterprise (ASE) 12.5.3 comprises the following documents.

Table 1: ASE 12.5.3 Product Documentation Set

Document name	Location
<i>Messaging Services User's Guide Adaptive Server Enterprise 12.5.3</i>	See the Sybase Product Manuals Web site at http://sybooks.sybase.com/
<i>New Features Adaptive Server Enterprise 12.5.3</i>	See the Sybase Product Manuals Web site at http://sybooks.sybase.com/
<i>Adaptive Server Enterprise 12.5.2 Documentation Set</i>	See the <i>Sybase WorkSpace Server Administration</i> collection on the Sybase WorkSpace online bookshelf.
<i>Adaptive Server Enterprise 12.5.1 Documentation Set</i>	See the <i>Sybase WorkSpace Server Administration</i> collection on the Sybase WorkSpace online bookshelf.
<i>Adaptive Server Enterprise 12.5.1 Installation Guide</i>	See the <i>Sybase WorkSpace Getting Started</i> CD-ROM.

Installing ASE 12.5.2 Developer Edition Server

Adaptive Server Enterprise Developer Edition 12.5.2 is a separate installation, which by default, installs in the Sybase WorkSpace directory.

The ASE installation is a two-part process:

- Run the installer using the CD-ROM or *setup.exe* file to install ASE 12.5.2 using a Typical installation type.
- Run a Custom installation and select the Web Services component required for Database Development in Sybase WorkSpace.

See the *Getting Started* CD for the *Adaptive Server Enterprise 12.5.1 Installation Guide* to assist you in this process.

❖ To install ASE 12.5.2

Prerequisites: When ASE installs, it appends the beginning of your PATH with a long string value when the installation completes. This process can truncate a portion of your original PATH if your original PATH is long.

- Before beginning the ASE installation, copy your PATH and store it in another location.
- After the installation is complete, inspect your PATH and make adjustments as necessary.
- See *Adaptive Server Enterprise 12.5.1 Installation Guide* for additional instructions on installing ASE 12.5.2.

- 1 Start the installer. Choose from the following:

Table 6-1: Installation Media

Media Type	Procedure
CD-ROM	<p>Insert CD-ROM #3 of the Sybase WorkSpace installation package.</p> <p>If your machine is configured to autorun from the installation media, InstallShield Wizard automatically starts.</p> <p>If your machine is not configured to autorun from the installation media, do the following:</p> <ul style="list-style-type: none"> • Select <i>Start / Run</i> from the Windows Start menu. • In the Run dialog box, browse to locate the setup file: <code><Installation Media drive>:\setup.exe</code> <p>The executable can be found in the following locations.</p> <ul style="list-style-type: none"> • Click <i>OK</i>.
DVD	<p>Open the <code>\ASE 12.5.3</code> folder of the Sybase WorkSpace DVD installation package.</p> <p>Double-click the <code>setup.exe</code> file.</p>

The Installer Welcome window appears.

- 2 Select *Typical* installation type to install all the ASE features.

Install ASE 12.5.2 in the same directory as Developer Runtimes in the Sybase WorkSpace. Leave no spaces in the directory name.

For example:

<installation directory>\Sybase\WorkSpace\DevRuntimes\ASE12.5.2

Note If you receive a packet error when installing ASE, do the following:

- Use isql and log into the ASE server as *sa*.
 - Modify the network parameters. Issue the following SQL:

```
sp_configure 'max network packet size',8192  
  
go
```
 - Restart ASE.
-

- 3 When the Typical installation is complete, run a *Custom* installation and select to install the *ASE Web Services* component listed under Sybase Servers.

Upgrading to Adaptive Server Enterprise 12.5.3

After installing ASE 12.5.2, you must upgrade to ASE 12.5.3 and configure ASE 12.5.3 to work with Sybase WorkSpace. This process comprises the following steps:

- Download and launch EBF 12461.
- Install and configure TIBCO Enterprise Message Service to test ASE Real Time Messaging Services features.
- (Optional) Set up ASE for real-time messaging services, for use as a Web services consumer, or to implement XML features.

❖ To upgrade to ASE 12.5.3

- 1 Extract the contents of the *EBF12461.zip* file to a temporary location.
- 2 Open the *EBF12461_README.html* file included in the zip file and follow the installation instructions.
- 3 Launch the *setup.exe* file to install the EBF.

Installing and Configuring TIBCO Enterprise Message Service

- ❖ **To install and configure TIBCO EMS**
 - See *Installing TIBCO Enterprise Message Service* in the Sybase WorkSpace online bookshelf for instructions.

Setting Up ASE

- ❖ **To set up ASE for real-time messaging**
 - See *Setting Up ASE Real-Time Messaging Services* in the Sybase WorkSpace online bookshelf for instructions.
- ❖ **To set up ASE as a Web services consumer**
 - See *Setting Up ASE Web Service Consumer* in the Sybase WorkSpace online bookshelf for instructions.
- ❖ **To set up ASE to implement XML features**
 - See *Setting Up ASE for XML Feature* in the Sybase WorkSpace online bookshelf for instructions.

EAServer Configuration

The chapter describes the configuration of EAServer. The Configurator enables service deployment to a standalone EAServer 5.2 Production Edition server.

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Supported Service Deployment

If you plan to deploy services to an EAServer standalone installation, review the following supported services.

Table 7-1: Supported Service Deployment

Service	EAServer Requirement
Database EJB Java Message SOAP	EAServer 5.2 Production Edition and EBF # 1
EAServer 5.x Web Services Toolkit (WST)	EAServer 5.x Production Edition with WST compatible with Java

Preparing to Configure EAServer

Before you run Configurator, verify the following:

Table 7-2: Interoperability Requirements

Unwired Orchestrator 5.0	Platform	EAServer 5.2
Production Edition	Windows	EAServer Advanced Edition with 2-Phase Commit
Production Edition	Solaris	EAServer Advanced Edition with 2-Phase Commit

- Installation of the EAServer System Management option.
- Shutdown all Sybase products.

Configuring EAServer

Run Configurator to enable deployment of Sybase WorkSpace services to a standalone EAServer installation.

❖ To configure EAServer

- 1 Start the configurator. Run one of the following:

Table 7-3: configurator.exe file

Platform	Directory
Windows	<i><installation directory>\Orch-5_0\config\configurator\configurator.exe</i>
Solaris	<i><installation directory>/Orch-5_0/config/configurator/configurator</i>

The Configurator Welcome window appears.

- 2 Initiate the configuration process. Click *Next* on the Installer Welcome window.

The Jaguar properties page appears.

- 3 Enter or browse for the directory of the EAServer standalone installation.
- 4 Enter the following information for the stand-alone EAServer installation and click *Next*:

Table 7-4: EAServer Standalone Installation

Property	Description
Jaguar Server	Enter the server name for the EAS standalone installation. The default value is <i>Jaguar</i> .
Jaguar User Name	Enter the User Name for the EAS standalone installation. The default value is <i>jagadmin</i> .
Jaguar Password	Enter the password for the EAS standalone installation. The default value is null.

Note If you receive an error message warning you of the wrong edition of EAServer, see “Installing Unwired Orchestrator with a Standalone EAServer Advanced Edition Installation” on page 11 for more information.

- 5 Review the configuration summary information, and click *Next* to start the Sybase Unwired Orchestrator configuration, using the specified parameters.

The installer displays the progress of the configuration.

Note The configuration process may take some time to complete. Allow the installer time to run the configuration without interruption. Failure to do so may result in problems when deploying the EAServer.

- 6 Click *Finish* when the following message appears:

Sybase Unwired Orchestrator 5.0 has been configured.

- 7 Restart Unwired Orchestrator.

See “Starting the Servers” on page 40 for more information.

This chapter describes the uninstallation of Sybase WorkSpace tooling, Adaptive Server Enterprise, and Unwired Orchestrator server components.

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Unwired Orchestrator

The uninstallation process comprises the following:

- Completing the prerequisites
- Running Unwired Orchestrator uninstaller

Preparing to Uninstall

Before beginning the uninstallation process, it is recommended that you shut down all Sybase Products.

Uninstalling Unwired Orchestrator Production Edition

The Uninstall program removes all Unwired Orchestrator components from the installation directory. However, it does not remove the *<installation directory>* and the log files and any user-created files.

After performing the uninstall, Sybase recommends that you delete the *<installation directory>* from your machine to clean up the installation of extraneous files.

❖ To uninstall the Unwired Orchestrator on Windows

- 1 Start the InstallShield Wizard. Choose from the following:

- In a command window, enter the following:
`cd <installation directory>\Orch-5_0\uninstaller\uninstall`
- From the Windows Start menu, select *Settings/Control Panel/Add or Remove Programs*.
Select *Sybase Unwired Orchestrator 5.0*, and click *Change/Remove*.

The UninstallShield Wizard Welcome window appears.

- 2 Initiate the uninstallation process. Click *Next* in the Installer Welcome Window.

The Uninstall Summary window appears displaying the components selected for removal.

- 3 Review the list of components to be removed, and click *Uninstall* to remove the selected components.

A status window appears recording the progress of the uninstall.

- 4 When the following message appears, click *Finish* to complete the uninstall:

The InstallShield Wizard has successfully uninstalled Sybase Unwired Orchestrator 5.0.

❖ To uninstall the Unwired Orchestrator on Solaris

Only authorized users with Administrative rights can uninstall the product. See “Administrative Rights” on page 1 for more information.

- 1 Start the InstallShield Wizard. Choose from the following:

- Set the IP address to the machine where you will view the install to the following:
`export DISPLAY=<IP address:0.0>`
- Change to the correct directory. Type the following at the command prompt:

`cd <installation directory>/Orch-5_0/uninstaller`

Then run the uninstall program. Type the following at the command prompt:

`uninstall`

The InstallShield Wizard Welcome window appears.

- 2 Initiate the uninstallation process. Click *Next* in the Installer Welcome Window.

The Uninstall Summary window appears displaying the components selected for removal.

- 3 Review the list of components to be removed, and click *Uninstall* to remove the selected components.

A status window appears recording the progress of the uninstall.

- 4 When the following message appears, click *Finish* to complete the uninstall:

The InstallShield Wizard has successfully uninstalled Unwired Orchestrator 5.0.

Directory Cleanup

After the uninstallation is complete, the *\ismpeLogs* remain. After moving files that you want to keep to another location, you can manually delete *<installation directory>\Orch-5_0* directory.

Sybase WorkSpace Tooling

The uninstallation process comprises the following:

- Completing the prerequisites
- Running Sybase WorkSpace uninstaller

Preparing to Uninstall

Before beginning the uninstallation process, it is recommended that you do the following:

- Shut down all Sybase products.
- Copy all WorkSpace project resource files that you want to save.

- Move any log, database, or user-created files that you want to save.
- ❖ **To copy project resource files**
 - Copy your project workspace files from the following directory:
<installation directory>\Sybase\WorkSpace\Eclipse\workspace
- ❖ **To move log, database, or user-created files**
 - Move any log, database, or user-created files that you want to keep from the following directory to another location:
<installation directory>\Sybase\WorkSpace

Uninstalling Sybase WorkSpace Tooling

The Uninstaller allows you to remove all or some of Sybase WorkSpace components from the installation directory.

- ❖ **To uninstall Sybase WorkSpace**
 - 1 Start the InstallShield Wizard.
 - From the Windows Start menu, select *Settings / Control Panel / Add or Remove Programs*.
 - Select *Sybase WorkSpace 1.0*, and click *Change / Remove*.The UninstallShield Wizard Welcome window appears.
 - 2 To initiate the uninstallation process, click *Next* in the Installer Welcome Window.

The Uninstall Selection window appears with a list of components for removal.
 - 3 Select the components that you want to remove, and click *Next*.

The Uninstall Summary window appears.

See Table 5-5 on page 33 for information on component dependencies.
 - 4 Review the list of components to be removed, and click *Uninstall* to remove the selected components.

A status window appears recording the progress of the uninstall.
 - 5 Click *Finish* to complete the uninstall when the following message appears:

The InstallShield Wizard has successfully uninstalled Sybase WorkSpace 1.0.

Directory Cleanup

After the uninstallation is complete, the following files and directories remain. After moving files that you want to keep to another location, you can manually delete `\Sybase\WorkSpace` installation directory.

Note If you attempt to delete the `Sybase\WorkSpace` directory and receive a message from the operating system that states the files are too long, move the directory to the root of your local directory and then delete it.

WorkSpace

The uninstall process does not remove the following files and directories:

- `\DevRuntimes` folder
- `\Eclipse` folder
- `\InstallLogs` folder and files
- `\Uninstallers`

You may want to review the log files once the uninstallation process is complete for any errors or problems. Then you can delete these files or move them to another directory.

User-Defined Files

The uninstall process does not remove any user-created files. To retain these files, move them files to another location.

Sybase Central

The uninstall process does not remove the Sybase Central component as other Sybase products may be registered to this plugin installation.

Adaptive Server Enterprise Developer Edition

The Uninstall program allows you to remove the Adaptive Server Enterprise 12.5.3 Developer Editor from the installation directory. This process is separate from uninstalling Sybase WorkSpace.

❖ To uninstall Adaptive Server Enterprise

1 Start the Uninstaller.

- From the Windows Start menu, select *Settings / Control Panel / Add or Remove Programs*.
- Select *Sybase Adaptive Server Enterprise Suite*, and click *Change/Remove*.

The UninstallShield Wizard Welcome window appears.

2 To initiate the uninstallation process, click *Next* in the Installer Welcome Window.

The Uninstall Selection window appears with a list of components for removal.

3 Follow the instructions in wizard to uninstall Adaptive Server Enterprise 12.5.3.

See the *Adaptive Server Enterprise 12.5.1 Installation Guide* located on the *Getting Started* CD-ROM for more information.

Runtime Database Administration

This chapter provides recommendations for Adaptive Server Anywhere (ASA) and Adaptive Server Enterprise (ASE) database distribution and administration for Unwired Orchestrator Production Edition.

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Developer/Test Environment

To simplify the setup for a developer/test environment, Unwired Orchestrator provides a unified database environment, using a single ASA database for the following runtime components:

- Alert Management System
- BAM Dashboard
- Monitor Console
- BPPE/Quartz Timers/JMS Queues

Production Environment

As you move from a Developer/Test environment to a full Production environment, you have the option of creating and managing multiple Adaptive Server Anywhere (ASA) or Adaptive Server Enterprise (ASE) databases to separate storage for the Alert Management System, BAM Dashboard, Monitor Console, or BPPE/Quartz Timers databases.

Review the following database distribution recommendations before creating multiple databases.

Creating Additional ASA or ASE Databases

You have the option of using multiple Adaptive Server Anywhere (ASA) or Adaptive Server Enterprise (ASE) databases to separate data storage for these components. However, this process requires expert knowledge in database administration. Without this expertise, Sybase recommends using the single, default ASA Production Edition database.

Review the following recommendations before creating additional ASA or ASE runtime databases.

Table 9-1: Database Distribution Recommendations

Component	ASA Recommendations	ASE Recommendations
Alert Management System	<p>Choose from the following:</p> <ul style="list-style-type: none"> Use the default ASA database to support AMS data during production. Separate the Alert Management System production database from the default ASA database. Copy the existing AMS database file to the desired location, or copy the <code><installation directory>\Orch-5_0\dfs\template\UORuntime.db</code> template to start with a fresh database. For the Alerts server, use EAServer Manager to reconfigure the EAServer environment entries for the Message Driven Beans that are in the deployment descriptors. Change <code>AMS_JDBC_URL</code> to point to the correct host and port number. See the <i>EAServer 5.2 product documentation</i> on the Sybase WorkSpace online bookshelf for more information. Use EAServer Manager to create an Application Server Connection Cache, set the URL for that cache, add a JNDI reference to the Runtime Management Console web application. See the <i>EAServer 5.2 product documentation</i> on the Sybase WorkSpace online bookshelf for more information. Use the Runtime Management Console to edit the Alerts Repository setup to point to the new JNDI reference in EAServer. See the <i>Runtime Management Console Online Help</i> for more information. 	Unwired Orchestrator does not provide support for AMS outside the default ASA database.

Component	ASA Recommendations	ASE Recommendations
BAM Dashboard	<p>The Dashboard makes light use of the database to read its metadata at startup and save new metadata when dashboards are modified or new dashboards are created. However, you have the option of separating dashboard production data into its own database.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> • Couple the dashboard data with Alert Management System data. No ASA scripts are needed to perform this action. <ul style="list-style-type: none"> • Use the Runtime Management Console to edit the Database URL property in the BAM Dashboard Repository. • Export/import existing BAM Dashboard metadata. <p>See the <i>Runtime Management Console Online Help</i> for more information.</p> • Create a new database using Sybase Central. Enable the jConnect meta-information support, turn on case-sensitivity for comparisons and passwords, and create SYSCOLUMNS and SYSINDEXES views. <ul style="list-style-type: none"> • Run the following script using interactive SQL or dbisql: <pre><installation directory>\Orch-5_0\install.sql\scripts\asa\dashboard_part1.sql</pre> • Use the Runtime Management Console to edit the Database URL property in the BAM Dashboard Repository. • Export/import existing BAM Dashboard metadata. <p>See the <i>Runtime Management Console Online Help</i> for more information</p> 	<p>The Dashboard makes light use of the database to read its metadata at startup and save new metadata when dashboards are modified or new dashboards are created. However, you have the option of separating dashboard production data into its own database.</p> <p>To accomplish this, do the following:</p> <ul style="list-style-type: none"> • Create a new database. • Create a distinct database owner account. • Define the database size to be <i>25MB</i> for data and <i>10MB</i> for the transaction log. • Create the segment <i>DASHBOARD_COMMON</i>. • Run the following script using interactive SQL or dbisql: <pre><installation directory>\Orch-5_0\install.sql\scripts\ase\dashboard_part1.sql</pre> • Use the Runtime Management Console to edit the Database URL property in the BAM Dashboard Repository. • Export/import existing BAM Dashboard metadata. <p>See the <i>Runtime Management Console Online Help</i> for more information.</p>

Component	ASA Recommendations	ASE Recommendations
Monitor	<p>Business Activity Monitoring has the potential of requiring significant database resources. If this potential exists, separate the monitor production data from all other component data.</p> <p>Do the following:</p> <ul style="list-style-type: none"> • Create a new database using Sybase Central that has a page size of 2KB. Enable the jConnect meta-information support, turn on case-sensitivity for comparisons and passwords, and create SYSCOLUMNS and SYSINDEXES views. • Run the following scripts using interactive SQL or dbisql: <pre><installation directory>\Orch-5_0\install.sql\scripts\asa\monitor_part1.sql <installation directory>\Orch-5_0\install.sql\scripts\asa\monitor_part2.sql</pre> • Use a text editor to edit the following configuration file: <pre><installation directory>\Orch-5_0\bin\nnsyreg.dat</pre> • Run the <i>BT59ie</i> utility to export and import SetType metadata from the existing database. <p>See <i>Sybase WorkSpace Development</i> in the Sybase WorkSpace online bookshelf for more information.</p>	<p>Business Activity Monitoring has the potential of requiring significant database resources. If this potential exists, separate the monitor production data from all other component data.</p> <p>Do the following:</p> <ul style="list-style-type: none"> • Create a new database on a server that has a page size of 2KB. • Create a distinct database owner account. • Define the database size to be 100MB for data and indexes and 50MB for the transaction log. • Create the segments <i>MSGTRAK_DATA</i> and <i>MSGTRAK_INDEX</i>. • Turn on the <i>ddl in tran</i> option. • Run the following script using interactive SQL or dbisql: <pre><installation directory>\Orch-5_0\install.sql\scripts\ase\monitor_part1.sql <installation directory>\Orch-5_0\install.sql\scripts\ase\monitor_part2.sql</pre> • Use a text editor to edit the following configuration file: <pre><installation directory>\Orch5_0\bin\nnsyreg.dat</pre> • Run the <i>BT59ie</i> utility to export and import SetType metadata from the existing database. <p>See <i>Sybase WorkSpace Development</i> in the Sybase WorkSpace online bookshelf for more information.</p>

Component	ASA Recommendations	ASE Recommendations
BPEE/ Quartz Timers/ JMS Queues	<p>BPEE/Quartz Timers/JMS Queues has the potential of requiring significant database resources. If this potential exists, separate the BPEE/Quartz Timers/JMS Queues production data from all other component data, especially the monitor data.</p> <p>Do the following:</p> <ul style="list-style-type: none"> • Create a new database file on a server that has a page size of <i>16KB</i>. Enable the jConnect meta-information support, turn on case-sensitivity for comparisons and passwords, and create SYSCOLUMNS and SYSINDEXES views. • Run the following script using interactive SQL or dbisql: <pre><installation directory>\Orch-5_0\install.sql\scripts\asa\quartz_create.sql</pre> • Configure Unwired Orchestrator to point to the new database and redeploy your business process service. <p>See <i>Sybase WorkSpace Development</i> in the Sybase WorkSpace online bookshelf for more information</p> <hr/> <p>Note ASA is not a viable data source for use within BPEE. It cannot support distributed transactions in environments that require a transaction manager other than Microsoft Distributed Transaction Coordinator.</p>	<p>BPEE/Quartz Timers/JMS Queues has the potential of requiring significant database resources. If this potential exists, separate the BPEE/Quartz Timers/JMS Queues production data from all other component data, especially the monitor data.</p> <p>Do the following:</p> <ul style="list-style-type: none"> • Create a new database on a server that has a page size of <i>16KB</i>. • Set the Runnable Process Search Count to <i>10000</i> to optimize performance. • Create a distinct database owner account. • Define the database size to be <i>100MB</i> for data and <i>50MB</i> for the transaction log. <p>For Distributed Transactions, also do the following:</p> <ul style="list-style-type: none"> • Enable <i>DTM</i> on the server if you want to use Distributed Transactions within Unwired Orchestrator. <hr/> <p>Note This option requires that you set some configuration variables in ASE. See <i>Using Adaptive Server Distributed Transaction Management Features Guide</i> on the Sybase WorkSpace online bookshelf for more information.</p> <hr/> <ul style="list-style-type: none"> • Grant the <i>dtm_tm_role</i> to the user login of the database owner account. • Turn on the <i>ddl in tran</i> and <i>allow nulls by default</i> options. • Run the following script using interactive SQL or dbisql: <pre><installation directory>\Orch-5_0\install.sql\scripts\ase\quartz_create.sql</pre> • Configure Unwired Orchestrator to point to the new database and redeploy your business process service. See <i>Sybase WorkSpace Development</i> in the Sybase WorkSpace online bookshelf for more information.

Refreshing the Default ASA Database

To facilitate the process of creating multiple ASA databases, Unwired Orchestrator provides a database template (*<installation directory>\Orch-5_0\dbs\template\UORuntime.db*) that enables you to move a clean copy of the database into your production environment.

See the *Adaptive Server Anywhere 9.0.2* product documentation on Sybase WorkSpace online bookshelf for additional information on managing this database.

License Upgrades

This chapter describes how to upgrade Sybase WorkSpace and Unwired Orchestrator licenses.

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Note Review the *Release Bulletin* included on the Getting Started CD or Sybase Manuals Web site for any last-minute updates to license upgrading.

Sybase WorkSpace License Upgrades

To upgrade to any of the following license types, you must run the Sybase WorkSpace installer and enter the product license key supplied with your installation media:

- WorkSpace MX
- WorkSpace MX Enterprise
- WorkSpace TX
- WorkSpace TX Enterprise

For a description on each of the license types, see Chapter 5, “Tooling Installation.”

Note During the upgrade process, you can choose to exit the installer and terminate the upgrade at any time.

Unwired Orchestrator License Upgrades

To upgrade to any of the following license types, you must run the Unwired Orchestrator installer and enter the product license key supplied with your installation media:

- Unwired Orchestrator Production Edition
- Database Event Management

Note During the upgrade process, you can choose to exit the installer and terminate the upgrade at any time.

Unwired Orchestrator Production Edition Upgrade

You have the option of installing Unwired Orchestrator on a Windows or Solaris platform.

See Chapter 3, “Server Installation on Windows” or Chapter 4, “Server Installation on Solaris” for installation instructions.

Database Event Management Upgrade

You have the option of installing Database Event Management on a Windows or Solaris platform. Use the following procedures to install this add-on component.

Installing Database Event Management into an Existing Unwired Orchestrator Installation

If you already have Unwired Orchestrator installed, the installer installs the Database Event Management component into the same directory as Unwired Orchestrator.

❖ To install Database Event Management on Windows

Prerequisites: Verify that you are logged onto the server with administrative rights. See “Administrative Rights” on page 1 for more information.

- 1 Insert the *Unwired Orchestrator CD-ROM*.
- 2 Start the installer:

If your machine is configured to autorun from the CD-ROM, InstallShield Wizard automatically starts.

If your machine is not configured to autorun from the CD-ROM, do the following:

- a Select *Start>Run* from the Windows Start menu.
- b In the Run dialog box, browse to locate the setup file:

`<CD-ROM drive>:\setup.exe`

- c Click *OK*.

The Installer Welcome window appears.

- 3 To initiate the installation process, click *Next* on the Installer Welcome window.

The License Agreement window appears.

- 4 From the drop-down list, select the geographic location for your installation of the software.

The license agreement appears in the main section of the window. If you do not see the agreement, scroll down.

- 5 Select the appropriate option to accept the terms of the Sybase license, and click *Next*. You must accept the terms of the license to continue with the installation.

The License Key window appears.

- 6 Enter the license key supplied with your installation media, and click *Next*.
- 7 Specify an installation directory. Choose from the following:
 - a Click *Next* to accept the default directory.
 - b Designate a different directory. Type or browse for a directory name. Note that the installation directory is case sensitive.
- 8 Click *Next* to continue.

The Installer checks for sufficient disk space, and the Installation Summary window appears.

- 9 Click *Install* to begin installing the product.

The installer displays the progress of the installation.

- 10 Click *Finish* when the following message appears:

The InstallShield Wizard has successfully installed Unwired Orchestrator 5.0.

❖ **To install Database Event Management on Solaris**

Prerequisites: Verify that you are logged onto the server with administrative rights. See “Administrative Rights” on page 1 for more information.

1 Navigate to where the CD-ROM is mounted.

2 Run the setup command.

 The Installer Welcome window appears.

3 Click *Next* on the installer Welcome window.

 The License Agreement window appears.

4 Select the geographic location from the drop-down list for your installation of the software.

 The license agreement appears in the main section of the window. If you do not see the agreement, scroll down.

5 Select the appropriate option to accept the terms of the Sybase license, and click *Next*. You must accept the terms of the license to continue with the installation.

 The License Key window appears.

6 Enter the license key supplied with your installation media, and click *Next*.

7 Specify an installation directory. Choose from the following:

 a Click *Next* to accept the default directory.

 b Designate a different directory. Type in or browse for an installation directory. Note that the directory name is case sensitive.

8 Click *Next* to continue.

 The Install checks disk space. If space is sufficient, the Installation Summary window appears.

9 Click *Install* to begin installing the product.

 The installer displays the progress of the installation.

10 Click *Finish* when the following message appears:

The InstallShield Wizard has successfully installed Unwired Orchestrator 5.0.

- 11 Unmount the CD-ROM. Enter the following:

```
umount /<mnt-dir>
```

Note If you are running Volume Management, type *eject*.

Reviewing the Installation

After completing the installation, you can review the addition of Database Event Management files to the \EAServer installation subdirectory.

See “Reviewing the Installation” on page 18 for more information.

Uninstalling Database Event Management

To uninstall the Database Event Management component, you must uninstall Unwired Orchestrator 5.0.

See Chapter 8, “Uninstallation” for more information.

This chapter provides information for troubleshooting problems that may result during or directly after a Sybase WorkSpace or Unwired Orchestrator installation.

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Unwired Orchestrator Installation

InstallShield hangs

Verify that all applications have been shut down, including Windows services.

Unwired Orchestrator installation fails

Check the *config_eas.log* file for deployment, configuration, UO50ASACache, or MessageService errors.

❖ To correct deployment or configuration errors

- 1 Using a command line utility, change to the following directory:
`<installation directory>/Orch-5_0/config`
- 2 Run the Unwired Orchestrator deployment and configuration script. Enter the following:

Table 11-1: Deployment/configuration scripts

Platform	Script
Windows	<i>ConfigJaguarUO.cmd</i>
Solaris	<i>ConfigJaguarUO.sh</i>

- 3 Check the `<installation directory>/ismpeLogs/config_eas.log` file for additional errors.

❖ To correct UO50ASACache or MessageService errors

- 1 Using a command line utility, change to the following directory:

<installation directory>/Orch-5_0/config

- 2 Run the Unwired Orchestrator configuration cleanup script. Enter the following:

Table 11-2: Configuration cleanup scripts

Platform	Script
Windows	<i>CleanupConfigUO.cmd</i>
Solaris	<i>CleanupConfigUO.sh</i>

- 3 Run the Unwired Orchestrator deployment and configuration script:

Table 11-3: Deployment/Configuration scripts

Platform	Script
Windows	<i>ConfigJaguarUO.cmd</i>
Solaris	<i>ConfigJaguarUO.sh</i>

- 4 Check the <installation directory>/ismpeLogs/config_eas.log file for additional errors.

Check the *RepConnCfg.log* file for deployment or configuration errors.

Database Event
Management
installation fails

❖ **To correct deployment or configuration errors**

- 1 Using a command line utility, change to the following directory:

<installation directory>/Orch-5_0/config

- 2 Run the Database Event Management configuration cleanup script:

Table 11-4: Configuration cleanup scripts

Platform	Script
Windows	<i>CleanupConfigRepConn.cmd</i>
Solaris	<i>CleanupConfigRepConn.sh</i>

- 3 Run the Database Event Management deployment and configuration script:

Table 11-5: Deployment/Configuration scripts

Platform	Script
Windows	<i>RepConnCfg.cmd</i>
Solaris	<i>RepConnCfg.sh</i>

- 4 Check the <installation directory>/ismpeLogs/RepConnCfg.log file for additional errors.

Sybase WorkSpace Installation

If any of the following Sybase WorkSpace component installations fail, check the corresponding log files.

Sybase WorkSpace	<i><installation directory>\WorkSpace\InstallLogs\WorkSpaceInstall.log</i>
Eclipse frameWork	<i><installation directory>\WorkSpace\InstallLogs\UO-SDToolingInstall.txt</i>
Java Development Kit (JDK)	<i><installation directory>\WorkSpace\InstallLogs\UO-SDToolingInstall.txt</i>
Modeling tooling	<i><installation directory>\WorkSpace\InstallLogs\ModelingInstall.log</i>
Services tooling	<i><installation directory>\WorkSpace\InstallLogs\UO-SDToolingInstall.txt</i>
Business and Integration tooling	<i><installation directory>\WorkSpace\InstallLogs\UO-SDToolingInstall.txt</i>
Data Development tooling	<i><installation directory>\WorkSpace\InstallLogs\DBComponentsInstall.log</i>
Mobile tooling	<i><installation directory>\WorkSpace\InstallLogs\UAIInstall.log</i>
EAServer Developer Edition	<i><installation directory>\WorkSpace\InstallLogs\EAS520.log</i>
Unwired Orchestrator Developer Edition	<i><installation directory>\WorkSpace\InstallLogs\UO50Install.log</i>
Unwired Accelerator Developer Edition	<i><installation directory>\WorkSpace\InstallLogs\UAIInstall.log</i>

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