

SYBASE®

Installation Guide

Sybase® Developer Edition Servers

[Windows]

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Message Format Libraries, Sybase Central, Sybase Client/Server Interfaces, Sybase Development Framework, Sybase Financial Server, Sybase Gateways, Sybase IQ, Sybase Learning Connection, Sybase MPP, Sybase SQL Desktop, Sybase SQL Lifecycle, Sybase SQL Workgroup, Sybase Synergy Program, Sybase Virtual Server Architecture, Sybase User Workbench, SybaseWare, Syber Financial, SyberAssist, SybFlex, SybMD, SyBooks, System 10, System 11, System XI (logo), SystemTools, Tabular Data Stream, The Enterprise Client/Server Company, The Extensible Software Platform, The Future Is Wide Open, The Learning Connection, The Model For Client/Server Solutions, The Online Information Center, The Power of One, TotalFix, TradeForce, Transact-SQL, Translation Toolkit, Turning Imagination Into Reality, UltraLite.NET, UNIBOM, Unilib, Uninull, Unisep, Unistring, URK Runtime Kit for UniCode, Viafone, Viewer, VisualWriter, VQL, WarehouseArchitect, Warehouse Control Center, Warehouse Studio, Warehouse WORKS, Watcom, Watcom SQL, Watcom SQL Server, Web Deployment Kit, Web.PB, Web.SQL, WebSights, WebViewer, WorkGroup SQL Server, XA-Library, XA-Server, XcelleNet, XP Server, XTNDAccess and XTNDConnect are trademarks of Sybase, Inc. or its subsidiaries. 01/06

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About This Book

Sybase® Developer Edition Servers provide a complete set of servers for business process orchestration, business activity monitoring (BAM), alerting, data replication, and the use of custom wire formats in a business process service.

Audience

The primary user of this document is the developer who is responsible for the installation of Sybase Developer Edition Servers on a Windows platform.

How to use this book

This document describes how to perform an installation of Sybase Developer Edition Servers. It is organized into the following sections:

- Chapter 1, “Installation Requirements” outlines the requirements for preparing your environment for an installation of Sybase Developer Edition Servers.
- Chapter 2, “Sybase Developer Edition Servers Installation” describes how to install the developer edition servers on a Windows platform.
- Chapter 3, “Post-Installation Configuration” describes required and optional post-installation configuration.
- Chapter 4, “Server Start-up” describes how to start up Sybase Developer Edition Servers, the simulators for mobile development, and Adaptive Server® Enterprise.
- Chapter 5, “Upgrading” describes how to upgrade a Sybase Developer Edition Servers version.
- Chapter 6, “Reinstallation” describes how to install additional features once an initial installation is complete and how to reinstall Sybase Developer Edition Servers or Adaptive Server Enterprise.
- Chapter 7, “Uninstallation” describes how to uninstall the Sybase Developer Edition Servers or Adaptive Server® Enterprise.
- Chapter 8, “Troubleshooting” provides information for troubleshooting problems that may result during or directly after a Sybase Developer Edition Servers installation.

Related documents

This section describes:

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

Sybase WorkSpace 1.5 What's New

Sybase WorkSpace Development

Sybase WorkSpace Server Administration

- *EAServer 5.3*
- *Adaptive Server Anywhere 9.0.2*
- *Adaptive Server Enterprise 15.0*
- *Unwired Accelerator 7.0*

Sybase PowerDesigner

Java Development User Guide

Workbench User Guide

JDT Plug-in Developer Guide

PDE Guide

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 Sybase WorkSpace Getting Started CD includes the following:

Sybase WorkSpace 1.5 Installation Guide

Sybase Developer Edition Servers Installation Guide

Sybase WorkSpace 1.5 Release Bulletin

Sybase Developer Edition Servers Release Bulletin

Adaptive Server Enterprise 15.0 Installation Guide

Unwired Accelerator 7.0 Installation Guide

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://sybooks.sybase.com/nav/base.do>.

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://sybooks.sybase.com/nav/base.do>.
- 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://sybooks.sybase.com/nav/base.do>.
- 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/aboutsupport>.
- 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

This document is available in PDF format through 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>	Italic font indicates: <ul style="list-style-type: none"> • Program variables • Parts of input text that must be substituted • Directory and file names
<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.
File Save	Menu names and menu items are displayed in plain text. The pipe 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
create table table created	Monospace font indicates: <ul style="list-style-type: none"> • Information that you enter on a command line or as program text. • Example output fragments

Formatting example	To indicate
Type the Name of the attribute. Click Apply .	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 Sybase Developer Edition Servers.

Topic	Page
Sybase Developer Edition Servers Installation	1
Environment Preparation	2
Platform Support	3
Disk Space and Memory Requirements	5
Independent Software Vendor Applications	6

Note Review the release bulletin included on the Getting Started CD or Sybase/Product Manuals Web site at <http://sybooks.sybase.com/> for any last-minute updates to this installation guide.

Sybase Developer Edition Servers Installation

A complete installation includes the following Sybase Developer Edition Servers and support files:

- Adaptive Server Anywhere 9.0.2 Developer Edition
- EAServer 5.3 Developer Edition
- Unwired Orchestrator 5.1 Developer Edition
- Unwired Accelerator 7.0 Developer Edition (EAServer 5.3)
- Apache Tomcat 5.0.28
- EAServer 5.3 Support Files
- Adaptive Server Enterprise 15.0

Environment Preparation

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

Note The Sybase Developer Edition Servers installer does not support a network installation.

Administrative Rights

To run the installer and Sybase Developer Edition Servers, you must have administrative privileges.

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	%tmp%	300MB

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.

- ❖ **To provide additional space**
 - Move or delete files to provide space on the default temporary directory.
 - Change the setting of the environment variable %TMP% to point to a location with sufficient space.

Platform Support

Observe the following requirements when installing:

- Sybase Developer Edition Servers
- Adaptive Server Enterprise
- EAServer as a standalone installation

Sybase Developer Edition Servers

Use Table 1-2 to identify the supported operating systems and Java Development Kit (JDK) for Sybase Developer Edition Servers.

Table 1-2: Sybase Developer Edition Servers

Server	Operating system	JDK
Adaptive Server Anywhere 9.0.2 Developer Edition EBF # 3198	Windows 2000 Professional Service Pack 4 or higher Windows 2000 Advanced Server Service Pack 4 Windows XP Professional Service Pack 1 or 2 Windows 2003 Standard Service Pack 1 Windows 2003 Enterprise Service Pack 1	JDK 1.4.2_06
EAServer 5.3 Developer Edition EBF #13536	Windows 2000 Professional Service Pack 4 or higher Windows 2000 Advanced Server Service Pack 4 Windows XP Professional Service Pack 1 or 2 Windows 2003 Standard Service Pack 1 Windows 2003 Enterprise Service Pack 1	JDK 1.4.2_06

Server	Operating system	JDK
Unwired Orchestrator 5.1 Developer Edition	Windows 2000 Professional Service Pack 4 or higher Windows 2000 Advanced Server Service Pack 4 Windows XP Professional Service Pack 1 or 2 Windows 2003 Standard Service Pack 1 Windows 2003 Enterprise Service Pack 1	JDK 1.4.2_06
Unwired Accelerator 7.0 (EAServer 5.3) EBF # 12773	Windows 2000 Professional Service Pack 4 or higher Windows 2000 Advanced Server Service Pack 4 Windows XP Professional Service Pack 1 or 2 Windows 2003 Standard Service Pack 1 Windows 2003 Enterprise Service Pack 1	JDK 1.4.2_06
Web Application Developer Edition (Apache Tomcat 5.0.28 with DataWindow™ support) Web Application Developer Edition (EAServer 5.3 with DataWindow™ support)	Windows 2000 Professional Service Pack 4 or higher Windows 2000 Advanced Server Service Pack 4 Windows XP Professional Service Pack 1 or 2 Windows 2003 Standard Service Pack 1 Windows 2003 Enterprise Service Pack 1	JDK 1.4.2_06

Adaptive Server Enterprise

You can also install the Adaptive Server Enterprise Developer Edition server on the same machine as the Sybase WorkSpace.

See “Adaptive Server Enterprise” on page 4 for more information.

EAServer

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

Table 1-3: EAServer standalone installation requirements

Servers	Operating system	Additional requirements
EAServer 5.3 Developer Edition	Windows	EBF #13536 EAServer System Management Option
EAServer 5.3 Advanced Edition with 2-Phase Commit	Windows	EBF #13536 EAServer System Management Option

Note For more information on EAServer, see Chapter 3, “Post-Installation Configuration.”

Disk Space and Memory Requirements

Table 1-4: Installation media

Product	Media
Sybase Developer Edition Servers	CD or DVD

Table 1-5 provide the minimum system requirements for installation of the Sybase Developer Edition Servers.

Table 1-5: Sybase Developer Editions Servers

Server	Disk space	Memory	Speed/CPU
Database Development: Adaptive Server Anywhere	317MB	1GB	1.2 GHz 1 CPU
Services Development: <ul style="list-style-type: none"> • Adaptive Server Anywhere • EAServer • Unwired Orchestrator 	874MB	1GB	1.2 GHz 1 CPU

Server	Disk space	Memory	Speed/CPU
Process Orchestration: <ul style="list-style-type: none"> • Adaptive Server Anywhere • EAServer • Unwired Orchestrator 	874MB	1GB	1.2 GHz 1 CPU
Web Application Development: <ul style="list-style-type: none"> • Adaptive Server Anywhere • EAServer • Unwired Orchestrator • EAServer support libraries • Apache Tomcat 	935MB	1GB	1.8 GHz 1 CPU
Mobile Development: <ul style="list-style-type: none"> • Adaptive Server Anywhere • EAServer • Unwired Orchestrator • Unwired Accelerator (EAServer) 	992MB	1GB	1.2 GHz 1 CPU
All servers	1.2GB	1GB	1.2 GHz 1 CPU

Table 1-6: Adaptive Server Enterprise

Server	Disk space	Memory	Speed/CPU
Adaptive Server Enterprise	400MB	1GB	1.8 GHz 1 CPU
Note With or without Web services			

Independent Software Vendor Applications

Table 1-7 outlines all independent software vendor application requirements for Sybase Developer Edition Servers. Any exceptions to these requirements are noted in the Description column.

Table 1-7: Independent software vendor applications

Software	Description
Operating system	Required. See Table 1-2 on page 3 for supported operating systems.
Internet browser	Required to access the Web-based Runtime Management Console. The following are supported: <ul style="list-style-type: none">• Internet Explorer 5.x or 6.x• Netscape 6.x or 7.x
JDBC drivers	Required if you do not plan to use the jConnect™ for JDBC™ 6.05 drivers for Adaptive Server Anywhere 9.0.2 and Adaptive Server Enterprise 15.0 that are included in the installation package. See the <i>Sybase WorkSpace online bookshelf</i> for more information on setting up JDBC database drivers.

Sybase Developer Edition Servers Installation

This chapter describes how to install Sybase Developer Edition Servers on a Windows platform.

Topic	Page
Installing Sybase Developer Edition Servers	9
Installing Adaptive Server Enterprise	13
Reviewing the Installation	15

Installing Sybase Developer Edition Servers

Use CDs #2 and #3 to install the Sybase Development Edition Servers.

In this guide, *<installation directory>* refers to the installation directory designated at the time of 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 with the installation.
 - When installing on Windows XP using the CD installation package, you may receive the following error message after inserting CD #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 Developer Edition Servers**

Prerequisites:

- Shut down any Sybase products that are currently running.
- Verify that you are logged in to the machine with administrative rights.
- If your installation media are CDs, verify that your machine is not set to **Autorun**. Failure to do so may result in installation problems while spanning CDs.

1 Insert CD #2.

2 Start the installer:

a Select **Start | Run** from the Windows Start menu.

b In the Run dialog box, browse to locate the setup file:

`<Installation Media drive>:\desetup.exe`

c Click **OK**.

The installer Welcome page appears.

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

The License Agreement page 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 page. If you do not see the text, 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:

a If you installed Sybase WorkSpace first, click **Next** to install Sybase Developer Edition Servers in the same directory.

b If you are installing the Sybase Developer Edition Servers first, 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.

- c 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 1.5 Release Bulletin* under Internationalization Issues for more information.
 - Use the underscore character instead of hyphens in the installation directory name.
 - Do not install Sybase WorkSpace in the same directory as Adaptive Server Enterprise 15.0. Specifying the same directory results in errors when deploying services.
-

The feature selection page appears.

- 7 Review the selection list and deselect any feature that you do not want installed, then click **Next**.

Note Do not select **Clear All** and then **Select All** to install all the features. Doing so results in a failure to install Unwired Accelerator.

The following servers have dependencies that are automatically selected when you select that server option. You cannot deselect a dependency.

Table 2-1: Servers with dependencies

Server	Dependencies
EAServer	Adaptive Server Anywhere Unwired Orchestrator
Unwired Accelerator	Adaptive Server Anywhere EAServer Unwired Orchestrator
Unwired Orchestrator	Adaptive Server Anywhere EAServer

- 8 If you chose to run the Service, Mobile, or Web Application Development features on EAServer, select which EAServer installation you plan to use. Choose one of the following and click **Next**:
 - Select **Install a new EAServer 5.3** to complete a fresh installation of EAServer 5.3 Developer Edition on your machine.

- Select **Use an existing EAServer 5.3 installation** to configure a standalone EAServer installation to work with Sybase WorkSpace. Then browse for the directory of the standalone installation.

No other EAServer configuration is necessary after making this selection.

See “Platform Support” on page 3 for requirements on installing to a standalone EAServer.

If you selected to install the Mobile Development servers, the domain page appears.

- 9 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 Host Name and Domain” on page 19 for more information.

The installation summary page appears.

- 10 Review the installation summary information, and click **Install** to install the selected servers.

A status bar and checklist record the progress of the installation.

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

- 11 Insert CD #3 to continue the installation.

- 12 Choose from the following and click **Next**:

View Release Bulletin

- 13 When the following message appears, click **Finish** to complete the installation:

Sybase Developer Edition Servers have been installed successfully.

Installing Adaptive Server Enterprise

Adaptive Server Enterprise (ASE) 15.0 Developer Edition is an optional installation.

See the Getting Started CD for the *Adaptive Server Enterprise 15.0 Installation Guide* to assist you in the installation process.

❖ To install ASE Developer Edition

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, save a copy of your entire PATH to another location.
- After the ASE installation is complete, compare your current PATH to the one you saved and make any necessary adjustments.

1 Start the installer. Choose from the following:

Table 2-2: Installation Media

Media Type	Procedure
CD	Insert CD #3 of the Sybase Developer Edition Servers installation package, and do the following: <ul style="list-style-type: none"> • Select Start Run from the Windows Start menu. • In the Run dialog box, browse to locate the setup file: <code><Installation Media drive>:\setup.exe</code> • Click OK.
DVD	Open the \ASE 15.0 folder of the Sybase Developer Edition Servers DVD installation package. Double-click the <i>setup.exe</i> file.

The Installer Welcome page appears.

2 Follow the instruction in the installer to complete an installation for Adaptive Server Enterprise and observe the following guidelines:

- Do not use spaces when entering the directory name.
- If you receive a packet error when installing ASE, do the following:

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

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

Reviewing the Installation

Use Table 2-3 to review the installation of the Sybase Developer Edition Servers subdirectories. The complete list of subdirectories is dependent on your server selection during installation.

Table 2-3: <Sybase WorkSpace installation directory>\DevRuntimes

Directory	Description
\ASA	Adaptive Service Anywhere 9.0.2 Developer Edition system files
\ASE	Adaptive Service Enterprise 15.0 Developer Edition system files
\EAServer	EAServer 5.3 Developer Edition system files
\imports	Command script, properties files and XML files for importing the default connection profiles
\PB	Libraries for DataWindow support
\Shared	Shared system files <div style="border: 1px solid black; padding: 5px;"> <p>Note Only one copy of Sybase Central™ can exist on a machine, so as EAServer installs, the installer searches for an existing installation of Sybase Central.</p> <ul style="list-style-type: none"> • If found, the installer registers the plugin to the existing installation. • If not found, the installer installs Sybase Central and registers the plugin to the new installation. </div>
\Tomcat	Apache Tomcat 5.0.28 for Web Application Development
\UA	Unwired Accelerator Developer Edition with Apache Tomcat 4.1.29 and EAServer 5.3
\UO	Unwired Orchestrator 5.1

Post-Installation Configuration

The chapter describes required and optional post-installation configuration. Review the procedures carefully to determine the configuration requirements for your installation setup.

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Configuring Unwired Accelerator for Mobile Development	19
Configuring Adaptive Server Enterprise for Database Development	21
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Configuring a Standalone EAServer for Service Deployment

At a later time after installation is complete, if you decide to deploy services to a standalone EAServer installation that is not part of Sybase WorkSpace, you need to configure the standalone EAServer installation to work with Sybase WorkSpace.

Preparing to Configure EAServer

Verify that you have completed the following:

- Installation of Unwired Orchestrator 5.1 Developer Edition server installed from Sybase WorkSpace.
See Chapter 6, “Reinstallation” for more information.
- Installation of EAServer 5.3 Developer Edition or Advanced Edition with 2-Phase Commit.
- Installation of the EAServer EBF #13536 for Windows.

- Installation of the EAServer System Management option.

Note See *Planning for Service Deployment* in the Sybase WorkSpace online bookshelf for more information on deploying to a standalone EAServer.

Configuring EAServer

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

❖ To configure EAServer

- 1 Start the Configurator. Run the following:

```
<installation directory>\DevRuntimes\UO\install_data\configurator\  
configurator.exe
```

The Configurator Welcome window appears.

- 2 Initiate the configuration process. Click **Next** on the Welcome window.
The EAServer properties page appears.
- 3 Enter or browse for the directory of the EAServer standalone installation.
- 4 Enter the following information for the standalone EAServer installation and click **Next**:

Table 3-1: EAServer standalone installation

Property	Description
Jaguar server	Enter the server name for the EAS standalone installation. The default value is Jaguar .
Jaguar user name	Enter the user name for the EAS standalone installation. The default value is jagadmin .
Jaguar password	Enter the password for the EAS standalone installation. The default value is null.

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

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 to EAServer.

- 6 Click **Finish** when the following message appears:
Sybase Unwired Orchestrator 5.1 has been configured.
- 7 Start Unwired Orchestrator.

Configuring Unwired Accelerator for Mobile Development

If you installed Unwired Accelerator, you must complete the following configuration.

❖ To configure Unwired Accelerator

- 1 Open the following file:

Table 3-2: Workspace_CSI201_install.zip

Installation media	File location
CD	<i>\disk2\HotFixes\Workspace_CSI201_install.zip</i>
DVD	<i>\HotFixes\Workspace_CSI201_install.zip</i>

- 2 Extract its content to the following location:

<installation directory>\DevRuntimes\EAServer

Creating a Substitute Host Name and Domain

If you installed the Mobile Development component and did not enter a company domain during the installation process, you must create a substitute host name 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 to 255.

❖ **To create a substitute host name and domain from your IP address**

- 1 Run the ipconfig command to determine the IP address of your machine.
- 2 Construct the substitute host name and domain using the IP address:
 - a Use the aa portion of the IP address as the host name.
 - 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 host name and domain. Choose from:

Table 3-3: *global.properties.xml*

Server	Location
EAServer	<installation directory>\DevRuntimes\EAServer\ Repository\WebApplication\onepage\config\ global.properties.xml
Apache Tomcat	<installation directory>\DevRuntimes\UA\tomcat\ 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, 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.xsl* file. Choose from:

Table 3-4: *loginresponse.xml*

Server	Location
EAServer	<installation directory>\DevRuntimes\EAServer\ Repository\WebApplication\onepage\home\docapps \framework\loginresponse.xml
Apache Tomcat	<installation directory>\DevRuntimes\EAServer\ Repository\WebApplication\onepage\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:
 - 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 5.3 Core Documentation* on the Sybase WorkSpace online bookshelf for more information.

Configuring Adaptive Server Enterprise for Database Development

If you installed Adaptive Server Enterprise 15.0 Developer Edition server, you must launch Sybase WorkSpace and complete the following setup to enable the Real-time Messaging Services (RTMS) features:

- Install and configure TIBCO Enterprise Message Service.
- Set up Adaptive Server Enterprise for RTMS.

See the following in the Sybase WorkSpace online bookshelf for additional instructions:

- *Enabling ASE Real-Time Messaging Services*
- *Enabling ASE Web Service Consumer*
- *Enabling ASE for XML Feature*

See the following on the Getting Started CD of the Real-Time Data Services (RTDS) package for more information:

- *Messaging Services User's Guide for Adaptive Server Enterprise: Real-Time Data Services*
- *Installation and Release Bulletin for Sybase Real-Time Data Services*

Backing Up the Sybase Central Repository File

Before continuing with additional Sybase installations, Sybase recommends that you back up the Sybase Central repository file after installing WorkSpace and the developer edition servers.

❖ To back up the repository file

1 Locate the following file:

*<installation directory>\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.

Server Start-up

This chapter describes how to start up Sybase Developer Edition Servers, the simulators for mobile development, and Adaptive Server Enterprise.

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Starting Adaptive Server Enterprise	24
Starting the Mobile Simulators	24

Starting the Developer Edition Servers

Use the External Tools feature in the main menu bar in Sybase WorkSpace to start the developer edition servers. The available servers depend on the installation type and component selection that you made at the time of installation.

Note If you installed both the Unwired Accelerator (Apache Tomcat) and (EAServer) versions and attempt to start the servers using the following combinations, port conflicts result:

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

See “Resolving Port Conflicts” on page 34 for more information.

❖ To start the developer edition servers

- 1 Launch Sybase WorkSpace. Select **Start | Programs | Sybase | Sybase WorkSpace | Sybase WorkSpace 1.5**.
- 2 Start the servers. Select **Run | External Tools | <server name>** from the menu bar.

See the *Sybase WorkSpace Server Administration* collection in the Sybase WorkSpace online bookshelf for the product documentation for each server and to start the servers using the Windows Start menu or a command-line script.

Starting Adaptive Server Enterprise

Use the External Tools feature in the main menu bar of Sybase WorkSpace to start up the Adaptive Server Enterprise Developer Edition server.

❖ **To start the Adaptive Server Enterprise Developer Edition server**

- 1 Close and relaunch Sybase WorkSpace. Select **Start | Programs | Sybase | Sybase Developer Edition Servers | Sybase Developer Edition Servers 1.5**.
- 2 Start the ASE Developer Edition server. Select **Run | External Tools | ASE 15.0** from the menu bar.

See the *Sybase Developer Edition Servers Server Administration* collection in the Sybase Developer Edition Servers online bookshelf for the Adaptive Server Enterprise product documentation.

Starting the Mobile Simulators

Use the External Tools feature in the main menu bar in Sybase WorkSpace to start the BlackBerry and M-Business simulators.

❖ **To start the mobile simulators**

- 1 Launch Sybase WorkSpace. Select **Start | Programs | Sybase | Sybase WorkSpace | Sybase WorkSpace 1.5**.
- 2 Start the simulators. Select **Run | External Tools | <mobile simulator name>** from the menu bar.

Upgrading

This chapter describes how to upgrade a Sybase Developer Edition Servers version.

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Upgrading Sybase Developer Edition Servers	25

Note Review the release bulletin included on the Getting Started CD or Sybase/Product Manuals Web site at <http://sybooks.sybase.com/> for any last-minute updates to this installation guide.

Preparing for Upgrade

Before upgrading, you need to uninstall all service packages from Unwired Orchestrator.

Upgrading Sybase Developer Edition Servers

If you have an earlier version of Sybase WorkSpace installed, you must run the installers for both Sybase WorkSpace and Sybase Developer Edition Servers to perform a complete upgrade to version 1.5.

The upgrade process does not overwrite any user-added plugins. It simply deletes and replaces existing files.

❖ **To upgrade Sybase Developer Edition Servers**

- 1 Use CD #1 and #2 to install Sybase WorkSpace.

See the *Sybase WorkSpace Installation Guide* on the Getting Started CD for more information.

- 2 Use CD #2 and #3 to install Sybase Developer Edition Servers.

Once the upgrade process starts, you must finish it. You cannot cancel the upgrade process.

- 3 If you are upgrading to Unwired Orchestrator 5.1 Developer Edition server, execute the *append-csijars.bat* file. Do the following:

- a Shutdown all Sybase WorkSpace servers.

- b In a command window, change to the following directory:

```
<installation directory>\DevRuntimes\UO\install_data\ead
```

- c Open the *append-csijars.bat* file using a text editor.

- d Replace the token [UO_HOME] with the Unwired Orchestrator installation path. For example:

```
<installation directory>\DevRuntimes\UO
```

- e Verify that the environment variables are set correctly in the following file:

```
<installation directory>\DevRuntimes\UO\bin\setenv.cmd
```

- f In a command window, execute the following:

```
append-csijars.bat
```

- 4 Start each of the servers.

See Chapter 4, “Server Start-up” for more information.

- 5 Reinstall and redeploy all service packages to Unwired Orchestrator 5.1.

This chapter describes how to install additional features once an initial installation is complete and how to reinstall Sybase Developer Edition Servers or Adaptive Server Enterprise.

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Installing Additional Sybase Developer Edition Servers	27
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Installing Additional Sybase Developer Edition Servers

If you want to install additional Sybase Developer Edition Servers once an initial installation is complete, simply re-run the installer using the same license key.

The installer does not allow multiple installations of Sybase Developer Edition Servers on the same machine.

❖ To install additional Sybase Developer Edition Servers

- 1 Shut down all Sybase products.
- 2 Run the Sybase Developer Edition Servers installer to install new servers.

See “Installing Sybase Developer Edition Servers” on page 9 for more information.

See “Installing Adaptive Server Enterprise” on page 13 to install and configure Adaptive Server Enterprise.

Reinstalling Sybase Developer Edition Servers

To correct any issues regarding the Sybase Developer Edition Servers, use the following guidelines.

Regardless of procedure, all project metadata files are maintained as a result of this process.

Table 6-1: Guidelines for reinstalling Sybase Developer Edition Servers

Sybase Developer Edition Server	Procedure
Adaptive Server Anywhere	Run the installer to overwrite the current installation. See “Installing Sybase Developer Edition Servers” on page 9 for more information.
Adaptive Server Enterprise	Run the installer to overwrite the current installation. See “Installing Adaptive Server Enterprise” on page 13 for installation instructions.
EAServer	<ol style="list-style-type: none"> 1. Uninstall the server. See “Sybase Developer Edition Servers” on page 29 for instructions on uninstalling the server. 2. Run the installer to create a new installation. See “Installing Sybase Developer Edition Servers” on page 9 for installation instructions.
Unwired Accelerator	<ol style="list-style-type: none"> 1. Uninstall the server. See “Sybase Developer Edition Servers” on page 29 for instructions on uninstalling the server. 2. Run the installer to create a new installation. See “Installing Sybase Developer Edition Servers” on page 9 for installation instructions.
Unwired Orchestrator	<ol style="list-style-type: none"> 1. Uninstall the server. See “Sybase Developer Edition Servers” on page 29 for instructions on uninstalling the server. 2. Run the installer to create a new installation. See “Installing Sybase Developer Edition Servers” on page 9 for installation instructions.

This chapter describes how to uninstall the Sybase Developer Edition Servers or Adaptive Server Enterprise.

Topic	Page
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Sybase Developer Edition Servers

Use the following procedures to uninstall Sybase Developer Edition Servers.

Preparing to Uninstall

Before beginning the uninstallation process, Sybase recommends that you:

- Shut down all Sybase products.
- Move any log, database, or user-created files that you want to keep from the installation directory to another location.

Note There is no need to save or move your project resource files. By default, all project files are automatically saved to the following directory:

C:\Documents and Settings\<your log in name>\workspace

Uninstalling Sybase Developer Edition Servers

The uninstaller allows you to remove all or some of Sybase Developer Edition Servers features from the installation directory.

❖ To uninstall Sybase Developer Edition Servers

- 1 Start the InstallShield Wizard.
 - From the Windows Start menu, select **Settings | Control Panel | Add or Remove Programs**.
 - Select **Sybase Developer Edition Servers**, and click **Change | Remove**.

The UninstallShield 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.

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

A status bar 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 Developer Edition Servers.

Cleaning Up the Installation Directory

After the uninstallation is complete, the following files and directories remain:

- *\DevRuntimes*
- *\InstallLogs*
- *\Uninstallers*

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

Additionally, it does not remove the Sybase Central component, as other Sybase products may be registered to this plugin installation.

Note If you attempt to delete the installation 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.

Uninstalling Unwired Accelerator

If you uninstalled Unwired Accelerator, you must complete the following cleanup.

❖ To clean up Unwired Accelerator

- 1 Open the following file:

Table 7-1: Workspace_CSI201_uninstall.zip

Installation media	File location
CD	\disk2\HotFixes\Workspace_CSI201_uninstall.zip
DVD	\HotFixes\Workspace_CSI201_uninstall.zip

- 2 Extract its content to the following location:

<installation directory>\DevRuntimes\EAServer

Adaptive Server Enterprise

To uninstall Adaptive Server Enterprise, see the *Adaptive Server Enterprise 15.0 Installation Guide* on the Getting Started CD.

Cleaning Up the Installation Directory

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

This chapter provides information for troubleshooting problems that may result during or directly after a Sybase Developer Edition Servers installation.

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Installing Sybase Developer Edition Servers

Problem: A Sybase Developer Edition Server installation fails.

Solution: Check the following installation log file:

`<installation directory>\InstallLogs\WorkSpaceInstall.log`

Unwired Accelerator (EAServer)

Problem: When you install Sybase WorkSpace with Unwired Accelerator (EAServer), the configuration process sets the User Variable to JAGUAR and JAGUAR_CLIENT_ROOT. If you then uninstall Sybase Workspace and change the location of the Unwired Accelerator (EAServer) install, the user variables are not deleted.

Solution: Manually delete the user variables JAGUAR and JAGUAR_CLIENT_ROOT from the EAServer system properties.

See the EAServer product documentation on the Sybase WorkSpace online bookshelf for more information.

Unwired Orchestrator

Problem: You start Unwired Orchestrator and receive the following error:

```
<installation directory>\DEVRUNTIMES\UO\BIN\
JAGTOOL.LOG

Ping EAServer
```

Solution: Execute the *append-csijars.bat* file to upgrade to Unwired Orchestrator 5.1 Developer Edition server.

See “Upgrading Sybase Developer Edition Servers” on page 25 step 3 for instructions on completing this task.

Resolving Port Conflicts

Port conflicts can occur with any of the following features:

Table 8-1: Sybase WorkSpace port usage

Component	Default Port Number
Adaptive Server Anywhere	8210
EAServer RMI Registry	1099
Monitor RMI Registry	1099
Quartz RMI Registry	2099
Sybase IQ Agent	1099
	Note See the <i>Sybase WorkSpace Release Bulletin</i> for more information on resolving this port conflict.
Unwired Accelerator ports for EAServer and Apache Tomcat	4040

❖ To resolve port conflicts

- 1 Verify port usage. In a command window, enter the following command to verify application usage of each port:

```
netstat -a
```

- 2 See **Managing Ports** in the Sybase WorkSpace online bookshelf for instructions on resolving specific port conflicts.

Upgrading Sybase Developer Edition Servers

Problem: You currently have the Sybase WorkSpace 1.0 tooling and developer edition servers installed, have upgraded to the Sybase Developer Edition Servers and receive an error message.

Solution: Run the installer (CD #1 and #2) to upgrade the Sybase WorkSpace tooling.

See the *Sybase WorkSpace Installation Guide* for more information.

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