Appeon Web Installation Guide for WebLogic Windows

Appeon Web® 2013 R2 (on WebLogic) FOR WINDOWS DOCUMENT ID: ADC00907-01-0680-01

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1 About This Book

1.1 Audience

This book is for a PowerBuilder programmer to set up the Web and/or mobile development and runtime environment by installing the different components of Appeon for PowerBuilder.

1.2 How to use this book

There are seven chapters in this book.

Chapter 1: About This Book

A general description of this book.

Chapter 2: Introduction

An overview of Appeon Web 2013 R2 for WebLogic Windows and its system architecture.

Chapter 3: Installation Requirements

The system requirements for installing Appeon Web 2013 R2 for WebLogic Windows.

Chapter 4: Installing Appeon Web 2013 R2

Instructions for installing and upgrading Appeon Server, Appeon Developer, and Appeon Server Web Component.

Chapter 5: Configuring Appeon Server Cluster

Instructions for configuring an Appeon Server cluster.

Chapter 6: Post-Installation Configuration Tasks

Instructions on configurations required for Appeon system architecture that affect the running of all applications.

Chapter 7: Uninstalling Appeon Web 2013 R2

Instructions for uninstalling Appeon Web 2013 R2 for WebLogic Windows.

1.3 Related documents

Appeon provides the following user documents to assist you in understanding Appeon for PowerBuilder and its capabilities:

• Introduction to Appeon:

Gives general introduction to Appeon for PowerBuilder and its editions.

• Getting Started (for Appeon Mobile):

Guides you though installing PowerBuilder and Appeon for PowerBuilder, and developing and deploying a mobile application.

• New Features Guide:

Introduces new features and changes in Appeon for PowerBuilder.

• Appeon Mobile Tutorials:

Gives instructions on deploying, running, and debugging the mobile application, distributing native mobile apps, and configuring the Appeon Server cluster.

• Appeon Mobile (Offline) Tutorials:

Gives instructions on setting up the Appeon Mobile (Offline) environment, and configuring, deploying, running, updating, and debugging the offline application.

• Appeon Installation Guide:

Provides instructions on how to install Appeon for PowerBuilder successfully.

• Installation Guide on Cloud Platform:

Provides instructions on how to install Appeon for PowerBuilder on the cloud-based platform such as Windows Azure and AWS EC2 and S3.

• Mobile UI Design & Development Guide:

Introduces general guidelines on designing and developing the mobile app and UI.

• Migration Guidelines for Appeon Web:

A process-oriented guide that illustrates the complete diagram of the Appeon Web migration procedure and various topics related to steps in the procedure, and includes a tutorial that walks you through the entire process of deploying a small PowerBuilder application to the Web.

• Supported PB Features:

Provides a detailed list of supported PowerBuilder features which can be converted to the Web/Mobile with Appeon as well as which features are unsupported.

• Appeon Developer User Guide:

Provides instructions on how to use the Appeon Developer toolbar in Appeon for PowerBuilder.

• Workarounds & API Guide:

Provides resolutions for unsupported features and various APIs to facilitate you to implement the features (including Web and mobile) that are not easy or impossible to implement in the PowerBuilder IDE.

• Appeon Workspace User Guide:

Gives a general introduction on Appeon Workspace and provides detailed instructions on how to use it.

• Appeon Server Configuration Guide:

Provides instructions on how to configure Appeon Server Monitor, establish connections between Appeon Servers and database servers, and configure AEM for maintaining Appeon Server and the deployed applications. • Web Server Configuration Guide:

Describes configuration instructions for different types of Web servers to work with the Appeon Server.

• Troubleshooting Guide:

Provides information on troubleshooting issues; covering topics, such as product installation, application deployment, AEM, and Appeon application runtime issues.

• Appeon Performance Tuning Guide:

Provides instructions on how to modify a PowerBuilder application to achieve better performance from its corresponding Web/mobile application.

• Testing Appeon Web Applications with QTP:

Provides instructions on how to test Appeon Web applications with QTP.

1.4 If you need help

If you have any questions about this product or need assistance during the installation process, access the Technical Support Web site at <u>http://www.appeon.com/support</u>.

2 Introduction

2.1 Overview

Appeon for PowerBuilder deploys entire PowerBuilder applications to the Web automatically.

From the native source code of PowerBuilder applications, Appeon for PowerBuilder can generate **bona fide** n-Tier Web applications that precisely replicate the Client/Server user interface with HTML running in standard Microsoft Web browsers. These Web applications offer the rich user experience of the original PowerBuilder applications and deliver the superior Quality Of Service (QOS) of the n-Tier Web architecture and J2EE platform, as well as greater availability, security and reliability.

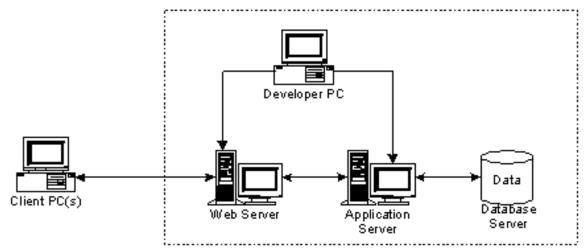
Appeon for PowerBuilder allows the entire Web application conversion process to be executed within the PowerBuilder IDE. It does not require the developer to write a single line of HTML, Java, .NET or JavaScript code. Only standard PowerBuilder programming skills are required.

With Appeon for PowerBuilder, enterprises can continue to use PowerBuilder to build Client/ Server applications. At the click of a button, the applications can be deployed to the Web. Enterprises can also transform existing Client/Server applications into Web applications. It is no longer a daunting task to develop Web applications. The task can become a familiar and easy routine for optimizing existing PowerBuilder applications or building new PowerBuilder applications.

2.2 System architecture

Appeon for PowerBuilder works with standard n-Tier Web architecture. Each tier serves a specific purpose in the architecture, though it may not necessarily reside in the same physical machine. For example, the Web server, application server and database server can reside in one machine or in different machines. A single tier may also be spread across multiple physical machines. For example, the application server can consist of a cluster of Appeon Server computers to provide load balancing and failover.





Each tier should have appropriate Appeon components and/or third-party software installed according to its role within the architecture. The following table briefly lists the tiers, their purposes and the required Appeon/third-party software.

Tier	Purpose	Appeon Component	Third-party Software
Client	Runs Appeon deployed applications	None	The default Microsoft Internet Explorer Web browser
Developer PC	Deploys your PowerBuilder application to the testing and production Web environments with the n-Tier architecture.	Appeon Developer	PowerBuilder Internet Explorer
Web Server	Hosts the presentation layer of Appeon deployed applications, responds to incoming requests from Client PC and dispatches requests to the application server.	Appeon Server Web Component	WebLogic HTTP Server or any WebLogic-compatible Web server, such as Apache or IIS.
Application Server	Hosts the DataWindows and n-Tier components of Appeon deployed applications, provides necessary runtime services to the Web application, such as DataWindow retrieval and update, execution of business logic, and security authentication.	Appeon Server	WebLogic Server
Database Server	Hosts the application database.	None	JDBC-compliant RDBMS supported by Appeon. Please see <u>Database server</u> <u>requirements</u> for more information.

Table 2.1: Tiers in the Appeon Web archited	cture
---	-------

2.3 Appeon editions

Appeon Web 2013 R2 (on WebLogic Windows) contains the following editions.

Edition	Platform	Component	Description
Enterprise Edition	Windows	Appeon Server	1) Appeon Developer is not provided.
Luition		• Appeon Server Web Component	
		Appeon Help	

Table 2.2: Appeon editions

Edition	Platform	Component	Description
			2) The Appeon Server clustering service is provided.
			3) Product activation is required within 30 days.
Workgroup Edition	Windows	Appeon Server	1) Appeon Developer is not provided.
		Appeon Server Web Component	2) Product activation is
		Appeon Help	required within 30 days.
Developer	Windows	Appeon Developer	1) The maximum number
Edition		Appeon Server	of online users is 10 (5 for Web, and 5 for Mobile).
		Appeon Server Web Component	2) Product activation is required within 30 days.
		Appeon Help	
Trial Edition	Windows	Appeon Developer	1) Trial Edition has a 30-day time bomb.
		Appeon Server	2) The Appeon Server
		Appeon Server Web Component	clustering service is provided.
		Appeon Help	3) The maximum number of online user is 5.

2.4 Appeon components

2.4.1 Appeon Developer (Windows only)

Appeon Developer is a plug-in to the PowerBuilder IDE installed to the developer's PC. It provides a set of tools that enable the deployed application generation, maintenance, and upgrades within the PowerBuilder IDE. These tools are accessed via a toolbar in the PowerBuilder IDE, which automatically loads each time PowerBuilder is started.

2.4.2 Appeon Server

Appeon Server is a set of server components that is deployed to the application server. It provides the deployed applications with necessary run-time services such as data connectivity, DataWindows support, transaction management, and security.

Appeon Server also includes Appeon Enterprise Manager (AEM) and Appeon Server Web Component.

AEM is the management console for Appeon Server and the deployed applications. When you install Appeon Server, AEM is automatically installed.

During the Appeon Server installation, the Appeon Server Web Component is automatically installed to the WebLogic HTTP server, therefore, if you are using one WebLogic Server as

both the Web server and the application server, you will NOT need to run the Appeon Server Web Component installation.

2.4.3 Appeon Server Web Component (for third-party Web servers)

Appeon Server Web Component resides in the Web server as the runtime environment supporting a PowerBuilder-style Web graphical user interface within standard Microsoft Web browsers. Appeon Server Web Component is a set of JavaScript, HTML and XML files that enable the rich PowerBuilder-style UI in standard Microsoft Web browsers.

If you use a third-party Web server and/or physically separate the Web server and the Appeon Server, for example, for load balancing purpose, you will need to install Appeon Server Web Component to the Web server and configure the Web server with the redirector plug-in. For detailed instructions on configuring the Web server, refer to **Web Server Configuration Guide** in Appeon Help.

2.4.4 Appeon Help (Windows only)

Appeon Help provides easy access to all user documents. It saves time and conveniently places the help information, such as, the Appeon supported features, at your fingertips.

3 Installation Requirements

3.1 Client requirements

3.1.1 Software requirements

- Microsoft Internet Explorer 6.0 SP2, 7.0, 8.0, 9.0, 10.0, or 11.0
- Microsoft Windows 2000 SP4, Windows Server 2003 SP2, Windows XP SP3, Windows Vista SP2, Windows Server 2008 SP2, Windows Server 2012, Windows 7, or Windows 8/8.1
- (Optional) Adobe Acrobat Reader 6.0 or above (for viewing printed PDF DataWindows or reports)

3.1.2 Hardware requirements

- Intel processor(s) running at 1.8 GHz or faster
- At least 2 GB Free RAM

3.2 Appeon Server requirements

3.2.1 Software requirements

- Windows OS that is supported by WebLogic Server
- Oracle® WebLogic Server 8.1.6, 9.2, 10.3, 11g or 12c

Please make sure that the WebLogic Server is started by JDK 1.6 or above.

3.2.2 Hardware requirements

- Intel processor(s) running at 1.8 GHz or faster
- At least 2 GB Free RAM (4 GB Free RAM recommended)
- 900 MB hard drive space (for WebLogic Server installation) plus 500 MB hard drive space (for Appeon Server installation)

3.2.3 (Optional) Third-party Web Server requirements

- Apache 1.3, 2.0, or 2.2, or Microsoft IIS 6.0, 7.0, 7.5 or 8.0
- 50 MB available hard drive space (for Appeon Server Web Component installation)

To make the third-party Web server work with Appeon Server, you must have the Web server redirector plug-in installed and configured. For detailed instructions, refer to the *Web Server Configuration Guide*.

3.3 Appeon Developer requirements

3.3.1 Software requirements

- Microsoft Internet Explorer 6.0 SP2, 7.0, 8.0, 9.0, 10.0 or 11.0
- Microsoft Windows 2000 SP4, Windows Server 2003 SP2, Windows Server 2008 SP2, Windows Server 2012, Windows XP SP3, Windows Vista SP2, Windows 7 or Windows 8/8.1
- SAP Sybase PowerBuilder 9.0.3 (build 8784), 10.2.1 (build 9914), 10.5.2 (build 7826), 11.2 (build 8669), 11.5 (build 3127), 12.0 (build 3517), 12.5 (build 2511), 12.5.2 (build 5006), or 15

If you do not have the required build, download and run the PowerBuilder EBF program from the Sybase Downloads website.

- ODBC database driver or a native database driver for the database server used by your application. Note that you cannot use a native database driver for Sybase ASA/SQL Anywhere or IBM DB2 database.
- (Optional) SAP Sybase ASA/SQL Anywhere 8.0.2, 9.0, 10.0.1, 11.0, 12.0 or 16.0 (for running the PowerBuilder demos included in Appeon installation).

3.3.2 Hardware requirements

- Intel processor(s) running at 1.8 GHz or faster
- At least 2 GB Free RAM
- 2 GB hard drive space (for Appeon Developer installation only)

Each PowerBuilder application conversion project will require additional hard drive space based on the size of the PowerBuilder application.

3.4 Database server requirements

Appeon Web 2013 R2 can connect to any of the following database servers:

- SAP Sybase ASA/SQL Anywhere 8.0.2, 9.0, 10.0.1, 11.0, 12.0 or 16.0 with Sybase iAnywhere or jConnect JDBC driver
- SAP Sybase Adaptive Server Enterprise (ASE) 12.5.x or 15.x with Sybase jConnect or iAnywhere JDBC Driver
- SAP Sybase ASA/SQL Anywhere WEB Edition with Sybase jConnect or iAnywhere JDBC driver
- SAP Sybase IQ 12.6.x, 12.7.x or 15 with jConnect JDBC driver
- SAP HANA 1.00.36 with JDBC Driver

- IBM DB2 UDB 8.1, 8.2, 9.5 or 10 with IBM JDBC driver
- Informix 9.x, 10.x or 11.x with IBM JDBC driver
- Microsoft SQL Server 2000 SP4, 2005 SP1, 2008 or 2012 with MSFT JDBC driver or JTDS driver
- MySQL 5.5.x or 5.6.x with Connector/J driver
- Oracle 8i, 9i, 10g, 11g or 12c with Oracle JDBC Driver
- Teradata 13.00.00.27 or later with Teradata JDBC driver

For instructions on downloading and installing the driver files, refer to the *JDBC driver preparation* section in the *Appeon Server Configuration Guide*.

4 Installing Appeon Web 2013 R2

4.1 Overview

Appeon Web 2013 R2 (on WebLogic Windows) consists of the following components.

Component	Description	Installed on
Appeon Developer	A plug-in to the PowerBuilder IDE installed to the developer's PC.	PowerBuilder on Windows operating system.
Appeon Server	A set of server components that provide runtime services for the Appeon Web applications, such as data connectivity, DataWindows support, transaction management, and security.	WebLogic Server on Windows operating system.
	Appeon Server also includes Appeon Enterprise Manager (AEM) and Appeon Server Web Component.	
Appeon Server Web Component	The runtime environment that supports a PowerBuilder-style Web graphical user interface within standard Microsoft Web browsers. Appeon Server Web Component is a library of JavaScript, HTML and XML files that form the foundation of the/an Appeon Web application.	Third-party Web server. For WebLogic HTTP server, this installation is unnecessary since the Web Component is included in Appeon Server.
Appeon Help	The online help of all Appeon user documents which saves time and conveniently places the help information at your fingertips.	Windows operating system.

Table 4.1: Appeon components

4.2 Installation scenarios

4.2.1 Overview

Appeon for PowerBuilder works in network architecture: different Appeon components should be installed to the computer(s) according to their roles in the network. In this section, some practical scenarios are described to demonstrate how Appeon should be installed according to network architecture.

4.2.2 Developer PC

Table 4.2: Developer PC installation

Scenarios	Requirements	Appeon Components
One physical	Computer 1:	Computer 1:
machine,		

Scenarios	Requirements	Appeon Components
Computer 1, serves	Microsoft Windows Server 2003, 2008, or	Appeon Developer
as Developer PC, Web server,	2012	Appeon Server
application server	Microsoft Internet Explorer	
and database server	SAP Sybase PowerBuilder	
	Oracle WebLogic Server	
	SAP Sybase SQL Anywhere	
	(Optional) SAP Sybase ASE, SAP Sybase	
	IQ, Oracle, Microsoft SQL Server, Informix, IBM DB2, Teradata, MySQL, or SAP HANA	
	depending on the application database	

4.2.3 Remote Appeon Server using WebLogic HTTP server

Scenarios	Requirements	Appeon Components
In this example,	Computer 1:	Computer 1:
2 computers are used:	Microsoft Windows 2000, 2003, 2008, 2012, 7, 8/8.1, XP, or Vista	Appeon Developer
Computer 1 serves as Developer PC.	Microsoft Internet Explorer	
	SAP Sybase PowerBuilder	
	SAP Sybase ASA/SQL Anywhere	
Computer 2 serves	Computer 2:	Computer 2:
as Web server, application server and database	Microsoft Windows Server 2003, 2008, or 2012	Appeon Server
server.	Oracle WebLogic Server	
	SAP Sybase SQL Anywhere, SAP Sybase ASE, SAP Sybase IQ, Oracle, Microsoft SQL Server, Informix, IBM DB2, Teradata, MySQL, or SAP HANA depending on the application database	

Table 4.3: Remote Appeon Server installation
--

4.2.4 Remote Appeon Server using a third-party Web server

Table 4.4: Remote Appeon Server installation
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Scenarios	Requirements	Appeon Components
In this example,	Computer 1:	Computer 1:
3 computers are used:	Microsoft Windows 2000, 2003, 2008, 2012, 7, 8/8.1, XP, or Vista	Appeon Developer

Scenarios	Requirements	Appeon Components
Computer 1 serves	Microsoft Internet Explorer	
as Developer PC.	SAP Sybase PowerBuilder	
	SAP Sybase ASA/SQL Anywhere	
Computer 2 serves	Computer 2:	Computer 2:
as Web server	Microsoft IIS or Apache	Appeon Server Web Component
Computer 3 serves	Computer 2:	Computer 2:
as application server and database server.	Microsoft Windows Server 2003, 2008, or 2012	Appeon Server
	Oracle WebLogic Server	
	SAP Sybase SQL Anywhere, SAP Sybase ASE, SAP Sybase IQ, Oracle, Microsoft SQL Server, Informix, IBM DB2, Teradata, MySQL, or SAP HANA depending on the application database	

4.2.5 Appeon Server Cluster

Scenarios	Requirements	Appeon Components
In this example, N (N>=4) computers are used: Computer 1 is used for Developer PC.	Computer 1: Microsoft Windows 2000, 2003, 2008, 2012, 7, 8/8.1, XP, or Vista Microsoft Internet Explorer SAP Sybase PowerBuilder SAP Sybase ASA/SQL	Computer 1: Appeon Developer
Computer 2 is the database server.	Anywhere Computer 2: SAP Sybase SQL Anywhere, SAP Sybase ASE, SAP Sybase IQ, Oracle, Microsoft SQL Server, Informix, IBM DB2, Teradata, MySQL, or SAP HANA depending on application database	Computer 2: None
Computer 3 is the Web server.	Computer 3: Microsoft IIS or Apache	Computer 3: Appeon Server Web Component

Scenarios	Requirements	Appeon Components
Computers 4 to n are a group	Computers 4 to n:	Computers 4 to n:
of WebLogic Server.	Microsoft Windows Server	Appeon Server
	2003, 2008, or 2012	(After installing Appeon
		Server to each WebLogic
		Server, configure the Appeon
		Servers as a cluster. Refer to
		Configuring Appeon Server
		<u>Cluster</u> for details)

4.3 Two installation methods

Appeon Web 2013 R2 provides two installation methods: **new installation** and **upgrade installation**.

- If your computer has not installed any version of Appeon for PowerBuilder, the installation program automatically takes the new installation method.
- If your computer has Appeon 6.2 or an earlier version installed, you must uninstall the version, prepare the environment for Appeon Web installation, and then use the setup program to install. The setup program takes the new installation method.
- If your computer has Appeon 6.5 or a later version installed, the setup program automatically takes the upgrade installation method.

4.4 Appeon Web 2013 R2 new installation

4.4.1 Starting the installation

Step 1: Double click the **Setup.exe** file in the installation package. The **Appeon for PowerBuilder 2013 R2 Setup** program starts. The entry page has several options to guide you through the various installation tasks.

- **Install**: Click this button to start installing the product.
- View Server Settings: Click this button to ensure that the application server settings are appropriate for the Appeon Server installation.
- View Training Video: Click this button to watch the video to learn how to install the product.
- View Product Manuals: Click this button to read the user manuals for the product.
- View Readme: Click this button to read the key system requirements and installation information for the product.
- Visit Our Web Site: Click this button to visit the Appeon web site.

• **Exit**: Click this button to exit the setup program.

Note: Make sure there is enough space on the C: drive for storing temporary files for installation. Otherwise an error message will pop up, saying "1607: Unable to install InstallShield Scripting Runtime".

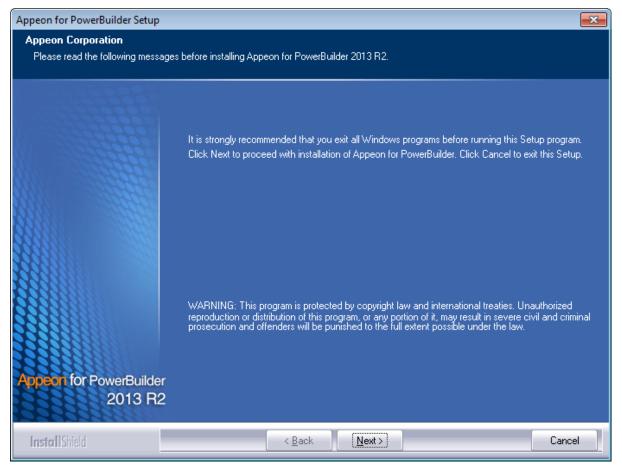
Step 2: Click Install.

Figure 4.1: Install Appeon for PowerBuilder

Appeon for PowerBuilder 2013 R2 Setup	APP <u>e</u> on [°]
Appeon for	PowerBuilder 2013 R2 (for 32-bit Windows)
	Install
	View Server Settings
	View Training Video
	View Product Manuals
	View Readme
	Visit Our Web Site
	Exit

Step 3: Click Next on the introduction screen.

Figure 4.2: Introduction page



Step 4: Accept the terms in the license agreement page and click Next.

Figure 4.3: License Agreement page

Appeon for PowerBuilder Setup	
License Agreement You must agree to the Appeon End	User License Agreement before installing or using the Appeon software.
	Press the PAGE DOWN key to see the rest of the agreement.
	APPEON END USER LICENSE AGREEMENT (EULA) IMPORTANT NOTICE: Read this License Agreement ("Agreement") carefully before using the enclosed Program(s). You may Use the Program(s) in accordance with the following terms and conditions. IF YOU DO NOT AGREE TO BE BOUND BY THESE TERMS, YOU MAY NOT USE THE PROGRAM(S). By opening the package containing the media, or by using the Program(s) in any way, you acknowledge that you have read, understood and agreed to the terms of this Agreement. If you do not agree with these terms, promptly return the unopened package (and all other product contents, including Documentation) to the entity from which you obtained this product within 30 days. NOTWITHSTANDING THE ABOVE, THIS LICENSE DOES NOT APPLY TO ANY THIRD PARTY SOFTWARE. USE OF ANY THIRD PARTY SOFTWARE IS GOVERNED BY THE LICENSE AGREEMENT INCLUDED IN THE MEDIA FOR SUCH SOFTWARE. THIS IS A LICENSE AND NOT A SALE. 1. ABBREVIATIONS AND DEFINITIONS. Abbreviations and definitions appear at the end of this Agreement. 2. LICENSE. 2.1 Appeon grants to You a nonexclusive, nontransferable, perpetual license to Use the
Appeon for PowerBuilder 2013 R2	 I accept the terms in the license agreement I do not accept the terms in the license agreement
InstallShield	< Back Next Cancel

Step 5: According to the license you purchase, select the product edition and the product type: **Appeon Web** or **Appeon Universal**, and then enter the product key which is shipped with the Appeon product. Click **Next**.

If you select the **Trial** or **Developer** edition, **Appeon Universal** will be automatically selected so you can experience both the Web and Mobile deployments at no additional charge.

Figure 4.4: Product key page

Appeon for PowerBuilder Setup		×		
Product Information Please specify the product edition, product type, and product key(s).				
	Product Edition: Developer Edition			
	Product Type Appeon Web Appeon Mobile Appeon Universal]		
	Product Key Please specify the product key(s) for your installation. Appeon Web:			
Appeon for PowerBuilder 2013 R2	Appeon Mobile:Appeon Universal: Appeon Universal: APFA-DEWN-EAEN-UNAP-GGEE-EEEE-FQHS	~		
InstallShield	< <u>B</u> ack Next> Cano	;el		

Step 6: Select the component(s) you want to install and click **Next**. The Setup program will install the selected component(s) in the order listed.

For the WebLogic application server, be sure to select **Appeon Server for WebLogic**, as shown in the following figure.

For Developer Edition and Trial Edition, if more than one application servers such as WebSphere, WebLogic, JBoss etc. are installed on the same computer, you can repeatedly run the setup program to install Appeon Server to these application servers, for example, you can first run the setup program and select **Appeon Server for WebSphere** to install Appeon Server to the WebSphere Application Server, you can then run the setup program again and select **Appeon Server for WebLogic** to install Appeon Server to the WebLogic Server.

Figure 4.5: Select components

Appeon for PowerBuilder Setup		×
Select Components Choose the components this setur	o will install. Clear the components you do not want to install.	
	Choose Setup Components Appeon Server Appeon Server for .NET Appeon Server for EAServer Appeon Server for WebLogic Appeon Server for WebSphere Appeon Server for JBoss Appeon Server for Cloud Appeon Developer Appeon Nerver Web Component	
Appeon for PowerBuilder 2013 R2	Description Appeon Server for WebLogic is a set of J2EE, CORBA, and PowerBuilder components that provide runtime services to the deployed applications.	
InstallShield	< <u>B</u> ack <u>N</u> ext > Cance	<u>ا</u> ا

Refer to the following sections to complete the installation of each component.

- For Appeon Server installation instructions, refer to <u>Appeon Server installation</u>.
- For Appeon Developer installation instructions, refer to Appeon Developer installation.
- For Appeon Help installation instructions, refer to <u>Appeon Help installation</u>.
- For Appeon Server Web Component installation instructions, refer to <u>Appeon Server Web</u> <u>Component installation</u>.

If you are using one WebLogic Server as both the Appeon Server and the Web server, then you will not need to install Appeon Server Web Component, because it is included in Appeon Server and will be installed automatically during Appeon Server installation.

4.4.2 Appeon Server installation

Follow the instructions below to install Appeon Server to the WebLogic Server:

Step 1: Verify that WebLogic Server, as well as any other programs you may be running, is stopped.

Step 2: Launch the **Appeon for PowerBuilder 2013 R2 Setup** program and select to install **Appeon Server for WebLogic** (see <u>Starting the installation</u>). Wait until Appeon Server completes the preparation.

Step 3: Click **Browse** to specify the home directory of the WebLogic Server where Appeon Server will be installed, for example, C:\bea\weblogic92. Click **Next**.

Figure 4.6: Spec	ify installation	directory
------------------	------------------	-----------

Appeon for PowerBuilder Setu	p	×
Choose Destination Locatio		
Select a folder where setup will	install hies.	
	Please specify the home directory of WebLogic Server: (For example,\bea\weblogic92)	
	Destination Folder	Browse
Appeon Server for WebLogic	Space Required on C: 105 MB Space Available on C: 9945 MB	
InstallShield	< <u>B</u> ack <u>N</u> ext >	Cancel

Step 4: Choose one or more WebLogic Server domains from the list. An Appeon Server EAR package (appeonserver.ear) will be installed to the specified WebLogic Server domain(s).

Figure 4.7: Choose WebLogic Server instance

Appeon for PowerBuilder Setu	p	×
Choose WebLogic Domains Choose the WebLogic domair	: is for Setup to install Appeon Server.	
	Appeon Server will be installed to the specified WebLogic domains. Please choose one or more WebLogic domains from the following list.	
Appeon Server for WebLogic		
InstallShield	< Back Next > Cancel	

Step 5: Specify the user name and password for Appeon Enterprise Manager (AEM).

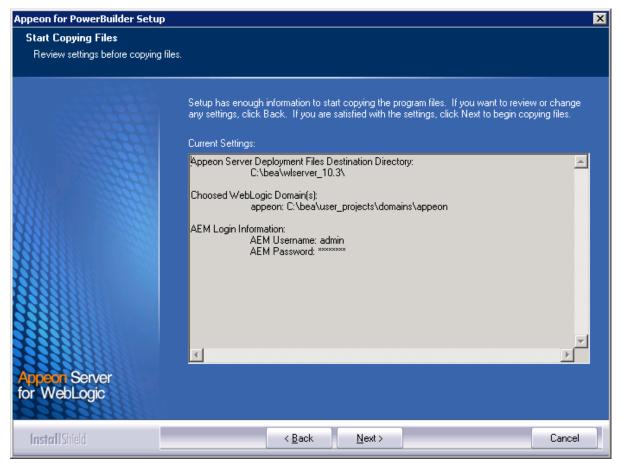
Figure 4.8: Configure AEM

Appeon for PowerBuilder Setu	ıp	×
Specify the AEM login Use		
Enter the username and passv	vord for Appeon Enterprise Manage	
	The default username and p default values.	bassword for AEM are ''admin''. Appeon recommends you to change the
	Username:	Jadmin
	Password:	****
	Confirm Password:	****
Annenn Sonver		
Appeon Server for WebLogic		
InstallShield	< <u>B</u> a	ack Next > Cancel

Step 6: Check the summary of settings.

Click **Back** to change any unwanted settings or click **Next** to have Setup begin copying files.

Figure 4.9: Summary of settings



At the click of the **Next** button, the installation program begins copying files to your computer, as shown in the figure below.

Figure 4.10: Appeon Server installation process



Step 7: Wait until Appeon Server installation is completed.

Appeon Server has been successfully installed to the specified WebLogic Server home directory and an Appeon Server EAR package (appeonserver.ear) has been successfully installed to the selected WebLogic Server domain(s).

Step 8: Choose whether to **Start Appeon Server**. It is selected by default. Then choose an Appeon Server instance to start. To manually start Appeon Server from the Windows shortcut later, uncheck the box, then click **Finish** to end the installation of Appeon Server.

For details about starting Appeon Server, refer to Starting/Stopping Appeon Server.

Figure 4.11: Appeon Server finish page



4.4.2.1 Deploying appeonserver.ear package manually (for WebLogic Production Mode only)

If the WebLogic Server runs in the Production mode (rather than the Development Mode), you would need to manually deploy the Appeon Server EAR package (appeonserver.ear) in the WebLogic Server Administration Console after the Appeon Server installation.

Skip this section if WebLogic Server runs in the Development mode because WebLogic Server in Development mode includes an auto-deployment feature which can detect the Appeon Server EAR package (appeonserver.ear) and automatically deploy it. In this case, you can verify that Appeon Server was successfully installed and deployed by starting WebLogic Server and then accessing **Appeon Enterprise Manager** (AEM) (from **Programs** | **Appeon for PowerBuilder 2013 R2** | **Appeon Server for WebLogic** | **Instances** | **InstanceName** | **Start WebLogic** on the local machine).

Follow the instructions below to deploy the appeonserver.ear package if WebLogic Server runs in the Production mode.

Step 1: Start WebLogic Server from Windows Start | Programs | Appeon for PowerBuilder 2013 R2 | Appeon Server for WebLogic | Instances | InstanceName | Start WebLogic. For details on starting WebLogic Server, refer to <u>Starting/Stopping Appeon</u> <u>Server</u>.

Step 2: Access WebLogic Server Administrative Console from **Programs** | **Appeon for PowerBuilder 2013 R2** | **Appeon Server for WebLogic** | **Instances** | **InstanceName** | **WebLogic Manager**. The WebLogic Login window will appear.

BEA WebLogic Server Administration Console - Windows Internet Explorer	
🕞 🕞 🗢 😰 http://localhost:7001/console/login/LoginForm.jsp;ADMINCONSOLESESSION=pyvr 🔻 🍫 🗙 Live Search	۰ ۾
<u>F</u> ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp	
🙀 🤹 🧭 BEA WebLogic Server Administration Console	ge \bullet \bigcirc Tools \bullet
WEBLOGIC SERVER ADMINISTRATION CONSOLE Log in to work with the WebLogic Server domain Username: weblogic Password: ••••••• Log In	*
	Ŧ
Done 🔍 🔍 🔩 Local intranet Protected Mode: Off	🔍 100% 🔻 🔐

Figure 4.12: WebLogic Login window

Step 3: Log in to the WebLogic console with the correct username and password.

Step 4: Click the **Deployment mode** and click **Lock & Edit** in the left pane, and then click **Install** in the right pane.

Figure 4.13: install appeonserver.ear

🏉 BEA WebLogic Server Administration	Console - Windows Internet Explorer 💿 💷	
🕞 🕞 🗢 🙋 http://localhost:70	01/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage 🔹 🐓 🗙 🛛 Live Search 🖉 😣	•
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help	
😭 🚓 🌈 BEA WebLogic Serve	r Administration Console 🛛 🔹 👘 👻 Page 👻 Tools 👻	**
bea WEBLOGIC SERV		
Change Center	Welcome, weblogic Connected to: base_domain Image: Weight Home Log Out Preferences Help AskBEA	l
View changes and restarts	Home > Summary of Deployments	l
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of Deployments	
domain.	Control Monitoring	l
Lock & Edit Release Configuration	This page displays a list of J2EE Applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.	
Domain Structure	To install a new application or module for deployment to targets in this domain, click the Install button.	
base_domain		
Deployments	Deployments	
B-Services Security Realms ⊡-Interoperability	Install Update Delete Stort Stort Stort Showing 0 - 0 of 0 Previous Next	
E - Diagnostics	🔄 Name 🔅 State Type Deployment Order	
	There are no items to display	
How do I	Install Update Delete Story Story Showing 0 - 0 of 0 Previous Next	
🗉 Install an Enterprise application		÷

Step 5: Specify an application folder you want to install the appeonserver.ear using Install Application Assistant in the Install Application Assistant page, and then click **Next**.

The applications folder is where the Appeon Server EAR package (appeonserver.ear) should be placed when it is installed to the WebLogic Server domain.

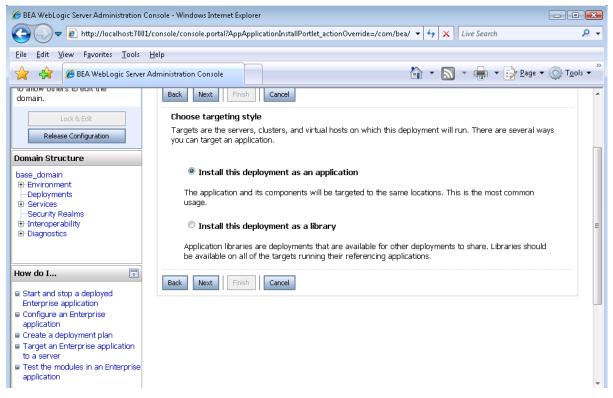
- If you are using WebLogic 8, the appeonserver.ear resides in %BEA%\user_projects \domains\mydomain\applications.
- If you are using WebLogic 9/10, the appeonserver.ear resides in %BEA%\user_projects \domains\mydomain\autodeploy.

Figure 4.14: Specify an application folder

🟉 BEA WebLogic Server Administration	Console - Windows Internet Explorer
🕞 🕞 🗢 🖻 http://localhost:70	01/console/console.portal?_nfpb=true&_pageLabel=AppApplicationInstallPage&Ar 👻 47 🗙 Live Search 🖉 👻
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help
🔶 🙀 🏉 BEA WebLogic Serve	er Administration Console 🛛 🔹 🕞 Page 🕶 🌍 T <u>o</u> ols 👻
bea WEBLOGIC SERV	
Change Center	Welcome, weblogic Connected to: base_domain Image: Connected to: base_domain
View changes and restarts	Home > Summary of Deployments
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Back Next Finish Cancel Locate deployment to install and prepare for deployment Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install.
Domain Structure base_domain B Environment Deployments B Services Security Realms B Interoperability B Diagnostics	Note: Only valid file paths are displayed below. If you cannot find your deployment files, upload your file(s) and/or confirm that your application contains the required deployment descriptors. Location: localhost \ D: \ bea \ user_projects \ domains \ base_domain \ autodeploy
How do I Start and stop a deployed	-

Step 6: Select Install this deployment as an application. Click Next.

Figure 4.15: Install this deployment as an application



Step 7: Use the default settings, and then click Next.

Figure 4.16: Use the default settings

🏉 BEA WebLogic Server Administration	n Console - Windows Internet Explorer 💼 💼	
🕞 🕞 🗢 🙋 http://localhost:70	01/console/console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/a 🔻 🗲 🗙 Live Search	۶ -
<u>F</u> ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help	
🔶 🚓 🏾 🍘 BEA WebLogic Serve	er Administration Console 👘 👻 🔂 👻 👘 👻 Bage 🕶 🌍 To	ols 🔻 🚿
WEBLOGIC SERV		Î
Change Center	Welcome, weblogic Connected to: base_domain & Home Log	Out
View changes and restarts	Home > Summary of Deployments > appeonserver > Summary of Deployments	
No pending changes exist. Click the Release Configuration button	Install Application Assistant	
to allow others to edit the domain.	Back Next Finish Cancel	
Lock & Edit Release Configuration	Optional Settings You can modify these settings or accept the defaults	E
Domain Structure	General	-1
base_domain -Environment	What do you want to name this deployment?	
Deployments ⊕Services Security Realms	Name: appeonserver	
⊡-Interoperability ⊡-Diagnostics	Security	_
	What security model do you want to use with this application?	
How do I	DD Only: Use only roles and policies that are defined in the deployment descriptors.	
Start and stop a deployed Enterprise application	\odot Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in	the
 Configure an Enterprise application Create a deployment plan 	\odot Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.	
Target an Enterprise application to a server	\odot Advanced: Use a custom model that you have configured on the realm's configuration page.	-
•	III	•
Done	✓ Trusted sites Protected Mode: Off 🔍 100%	•

Step 8: Review and check the summary of settings you have chosen, select **No, I will review the configuration later**, and then click **Finish**, the Deployment page appears with the installed appeonserver.ear being displayed in the Deployments table.

Figure 4.17: Review the summary of settings

🕖 BEA WebLogic Server Administration Co	onsole - Windows Internet Explore	r			
🕞 🕞 🗢 🖻 http://localhost:7001/c	console/console.portal?AppApplic	ationInstallPortlet_actionOverride=/com/bea/console/a 🝷 🐓 🗙 🛛 Live Search	۶ -		
<u>F</u> ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u>	lelp				
😤 🙀 🌾 BEA WebLogic Server Ad	dministration Console	🏠 🔹 🔝 👻 📑 🕹 Page 🕶	· ◎ T <u>o</u> ols ▼ [»]		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assista Back Next Finish	Cancel			
Lock & Edit Release Configuration	Review your choices and Click Finish to complete the	nd click Finish le deployment. This may take a few moments to complete.			
Domain Structure	- Additional configurat	tion ————	-		
base_domain B-Environment Deployments B-Services Security Realms B-Interoperability B-Diagnostics	In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant? Yes, take me to the deployment's configuration screen. No, I will review the configuration later.				
	Summary		-		
How do I Image: Start and stop a deployed	Deployment:	D:\bea\user_projects\domains\base_domain\autodeploy\appeonserver.ear			
Enterprise application	Name:	appeonserver1			
Configure an Enterprise application Create a deployment plan	t plan Staging mode: Use the defaults defined by the chosen targets				
Target an Enterprise application to a server	Security Model:	DDOnly: Use only roles and policies that are defined in the deployment descriptors.			
Test the modules in an Enterprise application	Customize this table				
System Status	Target Summary				
Health of Running Servers	Modules 🗞	Targets	•		
Done		✓ Trusted sites Protected Mode: Off	🔍 100% 🔻 💡		

Step 9: Click the **Active Changes** in the left pane to commit your pending changes to the server.

<i>•</i>		
BEA WebLogic Server Administration	onsole - Windows Internet Explorer	×
C C C C C C C C C C C C C C C C C C C	/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage 🔹 🍕 🗙 Live Search .	+ ۹
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help	
🔗 🚓 🍘 BEA WebLogic Server	Administration Console	•
Activate Changes	Sou must also activate the pending changes to commit this, and other updates, to the active system.	*
Undo All Changes	Summary of Deployments	
Domain Structure	Control Monitoring	
Bervironment Deployments Services Security Realms Benerability Benerability	This page displays a list of J2EE Applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button.	н
How do I	Deployments Install Update Delete Start Showing 1 - 1 of 1 Previous Next	
 Install an Enterprise application Configure an Enterprise application 	Image: Name ↔ Name ↔ State Type Deployment Order	
Update (redeploy) an Enterprise application Start and stop a deployed	Image: State	
Start and stop a deputyed Enterprise application Monitor the modules of an Enterprise application	Install Update Delete Start Showing 1 - 1 of 1 Previous Next	
Deploy EJB modules Install a Web application		
System Status		-
Done	📢 Local intranet Protected Mode: Off 🛛 🔍 100%	• .d

Figure 4.18: Commit your pending changes to the server

Step 10: Click the **Start** | **Servicing all requests** to deploy the appeonserver.ear file.

Figure 4.19: deploy the appeonserver.ear file

🕒 🕘 🗢 🙋 http://localhost:7001/c	ssole/console.portal?_pageLabel=AppDeploymentsControlPage&_nfpb=true&AppDepl ▼	🔸 🔀 Live Sear	ch 🎾
ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u>	2		
🔶 🚓 🎉 BEA WebLogic Server Ad	inistration Console	• 🔊 • 🖶	▼ Page ▼ ◯ Tools
omain Structure base_domain = -Environment - Deployments = -Services - Services - Security Realms	To install a new application or module for deployment to targets in this domain, cl	lick the Install button	ì.
Interoperability	Install Update Delete Start - Stop -	Showing 1 - 1 c	of 1 Previous Next
■-Diagnostics	Image: Servicing all requests Servicing only administration requests	State Type	Deployment Order
low do I 💽	I diappeonserver	Prepared Enterp	
Install an Enterprise application	⊟ Modules		
Configure an Enterprise	i i i i i i i i i i i i i i i i i i i	Web A	.pp
Update (redeploy) an Enterprise application	jappeon	Web A	.pp
Start and stop a deployed Enterprise application	je servlet	Web A	.pp
Monitor the modules of an Enterprise application	jappeonserver.jar	EJB Module	3
I Deploy EJB modules I Install a Web application	⊟ EJBs	EJBs	
r Install a Web application	ConfigAssistantService	EJB	
ystem Status 🗔	(iii)HousekeeperService	EJB	
Health of Running Servers	OpenInterface	EJB	
Failed (0)	SecurityService	EJB	
Critical (0)	TransactionService	EJB	
Overloaded (0)	TransferFileService	EJB	
Warn (0)	E Web Services		

Step 11: Click Yes in the Start Application Assistant window.

Figure 4.20: Start Application Assistant window

<i>6</i> BEA WebLogic Server Administration	Console - Windows Internet Explorer				
🕞 🕞 🔻 🙋 http://localhost:70	01/console/console.portal?AppGloba	lStartPortletreturnTo=AppDeploymer	ntsControlPac 🔻 😽 🗙	Live Search	ۍ ۹
<u>File E</u> dit <u>View</u> F <u>a</u> vorites <u>T</u> ools	Help				
🔶 🧩 🎉 🖉 BEA WebLogic Serve	er Administration Console		🐴 🔹 🔊	▼ 🖶 ▼ 📝 <u>P</u> age '	▼ Option Tools ▼
WEBLOGIC SERV					^
Change Center	Welcome, weblogic	Connected to: base_domain	🟠 Home 🛛 Log Out	Preferences Help	AskBEA
View changes and restarts	Home > Summary of Deployme	nts			
Click the Lock & Edit button to modify, add or delete items in this domain. Lock & Edit Release Configuration Domain Structure base_domain B-Environment Deployments B-Services Security Realms B-Interoperability B-Diagnostics	Start Application Assista Yes No Start Deployments You have selected the follow appeonserver Yes No	nt owing deployments to be started.			
			💊 Local intranet Protec	ted Mode: Off	🔍 100% 🔻 💡

Wait until the appeonserver.ear is successfully deployed, and the State column shows Active.

Figure 4.21: au	peonserver.ear su	ccessfully deployed
I Igui C IIII I u	peomber verveur bu	cecoblany acprojea

🏉 BEA WebLogic Server Administration	Console - Windows Internet Explorer	
🕢 🕞 🗢 🔊 http://localhost:700	01/console/console.portal?_pageLabel=AppDeploymentsControlPage&_nfpb=true&Ap 👻 🎸 🗶 🛛 Live Search	🗕 🖌
<u>File Edit View Favorites T</u> ools	Help	
🔶 🛟 🎉 🖉 BEA WebLogic Serve	r Administration Console 👘 👻 🗟 👻 🖶 Page 🕶 🔅	T <u>o</u> ols ▼
bea WEBLOGIC SERV		
Change Center	Welcome, weblogic Connected to: base_domain Image: Home base_domain Log Out Preferences Help Asket	BEA
View changes and restarts	Home > Summary of Deployments	
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Deployments	
Lock & Edit	Control Monitoring	E
LOCK & Edit	This page displays a list of J2EE Applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the	
	domain by first selecting the application name and using the controls on this page.	
Domain Structure	To install a new application or module for deployment to targets in this domain, click the Install button.	
base_domain		
Deployments Services Security Realms	Deployments	
⊡-Interoperability ⊡-Diagnostics	Instell Update Delete Stort Showing 1 - 1 of 1 Previous Next	
	Image: Name ↔ State Type Deployment Order Order	
How do I	Active Enterprise Application 100	
 Install an Enterprise application Configure an Enterprise application 	Install Update Delete Start Stop Showing 1 - 1 of 1 Previous Next	
ji application	🔍 🔍 🔩 Local intranet Protected Mode: Off	100% 👻

Step 12: Go to **Programs | Appeon for PowerBuilder 2013 R2 | Appeon Server for WebLogic | Instances | InstanceName | Appeon Enterprise Manager** on the local machine to access **Appeon Enterprise Manager** (AEM).

The successfully opened AEM login window confirms that the deployment was successful.

4.4.3 Appeon Developer installation

4.4.3.1 Prerequisites

- The Developer PC meets the system requirements in <u>Appeon Developer requirements</u>. Verify that PowerBuilder 9.0.3, 10.2.1, 10.5.2, 11.2, 11.5, 12.0, 12.5, 12.5.2, or 15 is installed or updated by running the PowerBuilder Setup program. You cannot install or update the software by copying files and folders from another source.
- Verify that PowerBuilder has been upgraded to the latest available build.
- Shut down PowerBuilder, ASA/SQL Anywhere, Enterprise Portal Management Agent service, and any other Windows programs before beginning the installation process.
- Verify in Windows Task Manager that the following processes are not running under the Process tab: **EonADTxx.exe**, **jaya.exe**, **jagsrv.exe**, **jagsrvagent.exe**, and **pbxxx.exe**. If these processes are running, be sure to end them.

4.4.3.2 Installation instructions

Step 1: Launch the **Appeon for PowerBuilder 2013 R2 Setup** program and select to install **Appeon Developer** (see <u>Starting the installation</u>).

Step 2: Click **Next** to install Appeon Developer to the default location, or click **Browse** to select another location.

Appeon for PowerBuilder Setup		×
Choose Destination Location Select a folder where setup will install files.		
	Setup will install Appeon Developer in the following folder. To install to this folder, click Next. To install to a different location, click Browse and select another folder.	
	Destination Folder— C:\Program Files\Appeon\Developer2013R2]
Appeon Developer	Space Required on C: 1915 MB Space Available on C: 198389 MB	
InstallShield	< Back Next > Cancel	

Step 3: If you have more than one PowerBuilder installed, you will be given a choice of which version(s) to integrate into Appeon Developer.

Figure 4.23: PowerBuilder IDE

Appeon for PowerBuilder Setup	
Setup Type Specify the PowerBuilder IDE tha	at Appeon Developer will use.
	Setup detected multiple PowerBuilder versions. Select the PowerBuilder version(s) that Appeon will use. Appeon Demo for the highest PowerBuilder version that you choose will be installed by default.
NAME AND	✓ PowerBuilder 8 IDE
100000000000000000000000000000000000000	── ✓ PowerBuilder 9 IDE
19993	PowerBuilder 10 IDE
	✓ PowerBuilder 10.5 IDE
386666666	✓ PowerBuilder 11 IDE
	☑ PowerBuilder 11.5 IDE
	✓ PowerBuilder 12.0 IDE
	☑ PowerBuilder 12.5 IDE
Appeon Developer	
InstallShield	< <u>B</u> ack <u>N</u> ext > Cancel

Step 4: Specify the server name, port number, and server type for Appeon Server and Web server used in Appeon Developer. Note that for Appeon Server installed to WebLogic Server, you must select **J2EE** as Server Type of Appeon Server. Click **Next**.

If you want to use an Appeon Server that has been already installed to the same machine where Appeon Developer is being installed, use the default values. If you want to use a remote Appeon Server, specify the server name and port number of the remote server. The setup program can automatically configure the **Server Profile** and **Deployment Profile** in the **Appeon Developer Configuration** window for the specified servers.

Yon can change these settings in the **Configure** tool of Appeon Developer after the installation when necessary.

Figure 4.24: Configure Appeon Developer

Appeon for PowerBuilder Setup				×
Configure Appeon Developer				
Specify the following settings.				
000000				
	You have the option to spe	cify the settings for Appeon Serv	er and Web Server used in Appe	eon
	Developer. Click Next to pr	oceed, and the default values wi	ll be used.	
	Appeon Server			
	Server Name: localho	st		
	Port Number: 7001	Server Typ		
868868	Port Number: 7001	Jeiver typ	^{ie:} 💽 J2EE 💭 .NET	
	Server Name: localho			
88888888		ist.		
	Port Number: 7001	Server Type:	WebLogic	
Appeon Developer				
InstallShield	< <u>E</u>	ack <u>N</u> ext >	Ca	ancel

Step 5: Select the Sybase ASA/SQL Anywhere engine location for running Appeon Demos.

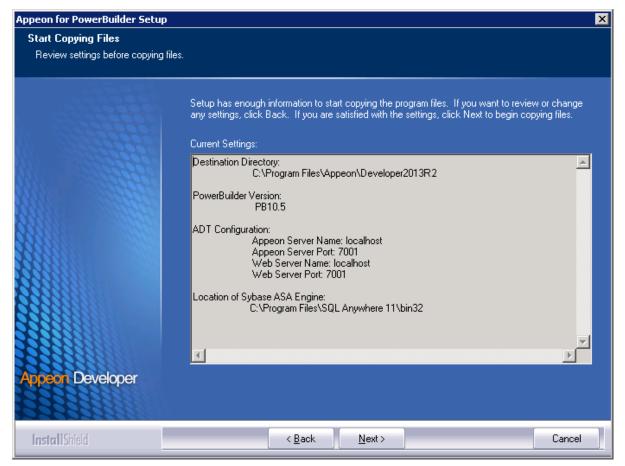
Depending on the version of Appeon Server (32-bit or 64-bit), Setup lists all copies of ASA/ SQL Anywhere engines (32-bit or 64-bit) detected in your machine.

Figure 4.25: ASA/SQL Anywhere for Appeon Demo

Appeon for PowerBuilder Setup		×
Specify the Location of Syb	ase ASA Engine (32-bit)	
Specify the ASA engine location	n to configure Appeon database service.	
Appeon Developer	Setup detected the following Sybase ASA engines (32-bit) on this machine. You sho the correct location of ASA engine (32-bit) below to make sure Appeon Demo work C:\Program Files\SQL Anywhere 11\bin32 C:\EAServer6\ASA110\win32 C:\Program Files\SQL Anywhere 11\bin32	ould select or type correctly. Browse
InstallShield	< <u>B</u> ack <u>N</u> ext >	Cancel

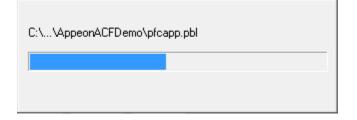
Step 6: Check the summary of settings.

Figure 4.26: Summary of settings



Click **Back** to change any unwanted settings or click **Next** and Setup will begin copying files.

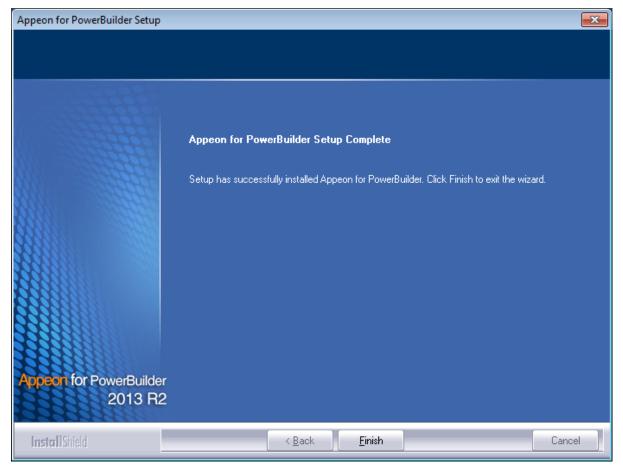
Figure 4.27: Appeon Developer installation progress



Step 7: Wait until the installation is complete.

Step 8: Click **Finish** to exit.

Figure 4.28: Setup Complete



4.4.4 Appeon Server Web Component installation (for third-party Web servers only)

If you use a third-party Web server or set up an individual machine (separate from the application server) as the Web server, you will need to install the Appeon Server Web Component. If not, you do not need to run the installation of the Appeon Server Web Component separately since it is included in Appeon Server.

4.4.4.1 Prerequisites

- Install a third-party Web server that is compatible with the WebLogic Server redirector plug-in. For a list of compatible third-party Web servers, refer to (Optional) Third-party Web server requirements.
- Stop the Web server and any other Windows programs before beginning the installation process.

4.4.4.1.1 Prerequisites if Web Component installed to multiple third-party Web servers

Appeon Server Web Component can be installed to multiple third-party Web servers. Make sure all third-party Web servers meet the above requirements and repeat the installation steps for the Appeon Server Web Component on each Web server.

×

4.4.4.2 Installation instructions

Step 1: Launch the Appeon for PowerBuilder 2013 R2 Setup program and select to install Appeon Server Web Component (see Starting the installation).

Step 2: Click Browse to select the Web root for the Web server (for example, "C:\Program Files\Apache Group\Apache2\htdocs" for Apache 2.0 Web server).

If Appeon Server Web Component is installed to the default path: "C:\Program Files\Appeon \WebComponent2013R2", instead of the Web root of the Web server, you would need to manually copy it to the Web server Web root later in order to run Appeon application.

Appeon for PowerBuilder Setup **Choose Destination Location** Select the Web root directory where Setup will install files. Click Browse and select the Web root directory of the Web server where Setup will install Appeon Server Web Component. Appeon Server Web Component must be installed to the Web root in order to function properly. Destination Folder-C:\Program Files\Appeon\WebComponent2013R2 Browse. Space Required on IC: 71 MB n Server 194993 MB Space Available on IC: Web Component < <u>B</u>ack <u>N</u>ext > Cancel

Figure 4.29: Appeon Server Web Component location

Step 3: Check the summary of settings.

Figure 4.30: Summary of settings

Appeon for PowerBuilder Setup		×
Start Copying Files Review all the settings before c	opying files.	
	Setup has enough information to start copying the program files. If you want to review or char any settings, click Back. If you are satisfied with the settings, click Next to begin copying files Current Settings: Web Server Root Directory: C:\inetpub\wwwroot\	nge s
Appeon Server Web Component	< I	
InstallShield	< <u>B</u> ack <u>N</u> ext > Can	cel

Click **Back** to change any unwanted settings or click **Next** and Setup will begin copying files.

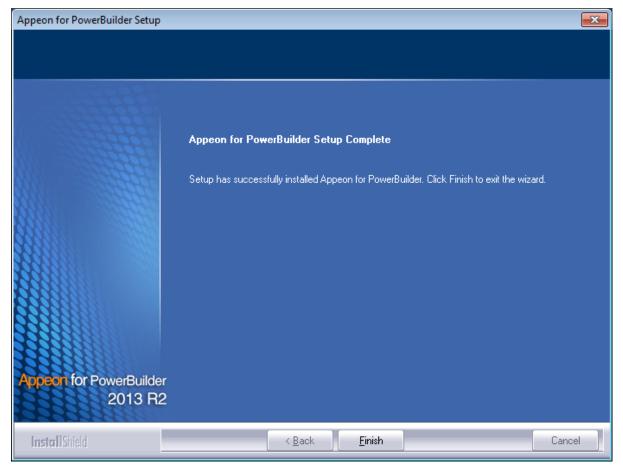
Figure 4.31: Appeon Server Web Component installation progress



Step 4: Wait until the installation is complete.

Step 5: Click **Finish** to exit.

Figure 4.32: Setup Complete



4.4.4.2.1 Installing and configuring the Web server redirector plug-in

To ensure the third-party Web server works with Appeon Server, install and configure the corresponding redirector plug-in for the Web server. Instructions for installing and configuring the redirector plug-in are provided in the *Web Server Configuration Guide*.

4.4.5 Appeon Help installation

Step 1: Launch the **Appeon for PowerBuilder 2013 R2 Setup** program and select to install **Appeon Help** (see <u>Starting the installation</u>).

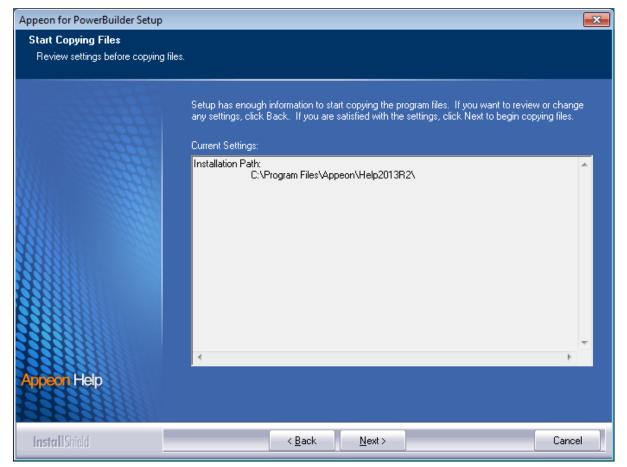
Step 2: Click **Next** to install Appeon Help to the default location, or click **Browse** to select another location.

Figure 4.33: Help location

Appeon for PowerBuilder Setup		×
Choose Destination Location Select a directory where Setup w		
	Click Browse and select the directory where Setup will install Appeon Help.	
	Destination Folder C:\Program Files\Appeon\Help2013R2]
Appeon Help	Space Required on C: 62 MB Space Available on C: 195152 MB	
InstallShield	< <u>B</u> ack Next > Cancel	

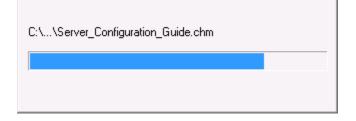
Step 3: Check the summary of settings.

Figure 4.34: Summary of settings



Click **Back** to change any unwanted settings or click **Next** and Setup will begin copying files.

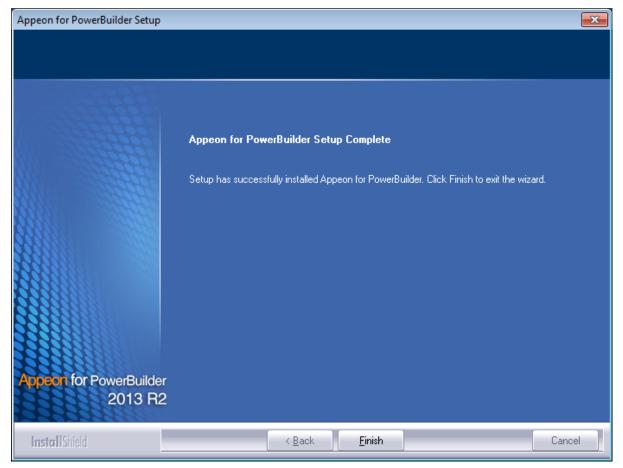
Figure 4.35: Appeon Help installation process



Step 4: Wait until the installation is complete.

Step 5: Click **Finish** to exit.

Figure 4.36: Setup complete



4.5 Appeon Web 2013 R2 upgrade installation

4.5.1 Overview

If you have installed Appeon 6.5 or a later version, you can upgrade to Appeon Web 2013 R2, but you cannot upgrade from Appeon 6.2 or an earlier version. If you are using Appeon 6.2 or an earlier version, uninstall it and then install Appeon Web 2013 R2.

Note that applications deployed with the old version and the demo applications must be redeployed with Appeon Web 2013 R2 after the upgrade.

4.5.2 Before you upgrade

Before upgrading to Appeon Web 2013 R2, upgrade the system environment as required in <u>Installation requirements</u>. The following highlights key installation requirements added in Appeon Web 2013 R2.

- Upgrade the PowerBuilder version to 9.0.3, 10.2.1, 10.5.2, 11.2, 11.5, 12.0, 12.5, 12.5.2, or 15.
- If using Windows XP as the operating system for Appeon Developer, upgrade to Windows XP SP3.

In addition to the system environment requirements, you should meet the installation prerequisites listed in <u>Appeon Web 2013 R2</u>; new installation before upgrading each of the Appeon components.

4.5.3 Upgrading to Appeon Web 2013 R2

4.5.3.1 Upgrading Appeon Server

Step 1: Launch the **Appeon for PowerBuilder 2013 R2 Setup** program and select to install **Appeon Server for WebLogic** (see <u>Starting the installation</u>).

Step 2: Click the **OK** button in the **Confirm Upgrade** message box.

Figure 4.37: Confirm upgrade

Confirm U	lpgrade 💌
?	Setup detected Appeon Server for WebLogic 6.6.0196.00 on this computer. Do you want to upgrade now? Click OK to upgrade, or click Cancel to exit.
	OK

When the **OK** button is clicked, a message box opens indicating that the upgrade is preparing files.

Figure 4.38: Setup is preparing files



The upgrade process uninstalls the old version of Appeon Server, backs up configurations and begins the installation of **Appeon Server** based on the backup information. This will take several minutes.

Wait until the upgrade is complete.

Step 3: Click the **Finish** button.

4.5.3.2 Upgrading Appeon Developer

Step 1: Launch the **Appeon for PowerBuilder 2013 R2 Setup** program and select to install **Appeon Developer** (see <u>Starting the installation</u>).

Step 2: Click the Yes button in the Confirm Upgrade message box.

Figure 4.39: Confirm upgrade

Confirm U	Ipgrade	×
?	Setup detected an Appeon Developer 6.6.0196.00 on this computer. Do you want to upgrade now? Click Yes to upgrade, click No to set up Appeon Developer 2013 R2 or click Cancel to exit.	
	Yes No Cancel	

Once you click the Yes button, a message box opens indicating that Setup is preparing files.

Figure 4.40: Setup is preparing files



The upgrade process uninstalls the old version of Appeon Developer, backs up configurations then begins the installation of **Appeon Developer** based on the backup information. This will take several minutes.

Wait until the upgrade is complete.

Step 3: Click the **Finish** button.

4.5.3.3 Upgrading Appeon Server Web Component

Step 1: Launch the **Appeon for PowerBuilder 2013 R2 Setup** program and select to install **Appeon Server Web Component** (see <u>Starting the installation</u>).

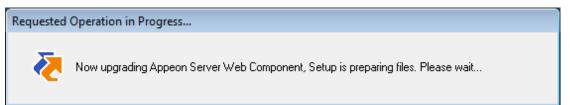
Step 2: Click the Yes button in the Confirm Upgrade message box.

Figure 4.41: Confirm upgrade

Confirm U	pgrade	×
2	Setup detected an Appeon Server Web Component 6.6.0196.00 on this computer. Do you want to upgrade now? Click Yes to upgrade, click No to set up Appeon Server Web Component 2013 R2 or click Cancel to exit.	
	Yes Cance	:

Once you click the Yes button, a message box opens indicating that Setup is preparing files.

Figure 4.42: Setup is preparing files



The upgrade process uninstalls the old version of Appeon Server Web Component then begins the installation of **Appeon Server Web Component**. This will take several minutes.

Wait until the upgrade is complete.

Step 3: Click the **Finish** button.

4.5.4 Upgrade configuration settings manually

After the product upgrade, most configurations made in the old version are retained and will continue to work in Appeon Web 2013 R2. However, because the configuration settings of Appeon Web have been adjusted, it is recommended that you review the configuration settings in Appeon Developer and Appeon Server AEM to become familiar with the new settings and make sure the old ones are not lost or mis-configured.

After verifying all settings, Appeon applications deployed with the old version and Appeon Demos must be redeployed in Appeon Web 2013 R2.

Note: If the application uses Appeon Workarounds PBL, you must use the new Appeon Workarounds PBL to replace those of the old version.

4.6 Starting/Stopping Appeon Server

4.6.1 Starting Appeon Server

Once Appeon Server has been installed and integrated into WebLogic Server, starting WebLogic Server will automatically start Appeon Server. To start WebLogic Server/Appeon Server:

Open the Windows Start menu and select: **Programs | Appeon for PowerBuilder 2013 R2 | Appeon Server for WebLogic | Instances | InstanceName | Start WebLogic**.

For Windows Vista, 2008, or 7 with UAC turned on, if you are running on a non-Administrator Windows account (such as an Administrators group member or a User group member), please right click the "Start WebLogic" shortcut menu and then select **Run as administrator** to start WebLogic Server/Appeon Server.

If you are running WebLogic Server in Production mode, you will be asked to enter your user name and password to start the server. The user name and password was created when you configured the domain.

When the server startup process is completed, the following message will appear in the command window.

Figure 4.43: Startup complete

C:\Windows\system32\cmd.exe	_ 🗆 🗙
[Server@1d60b6a]: Startup sequence completed in 234 ms.	
[Server@1d60b6a]: 2010-05-31 20:16:39.984 HSQLDB server 1.7.2 is online	
[Server@1d60b6a]: To close normally, connect and execute SHUTDOWN SQL	
[Server@1d60b6a]: From command line, use [Ctrl]+[C] to abort abruptly	
HSQLDB started with port:52845	
Appeon Server (6.5.0086.00 edition) started.	
Edition: DEVELOPER	
Product Key: *	
Days Remaining: 433	
Maximum Sessions: 20	
Maximum Deployed Applications: *	
Number of CPUs Licensed: *	
Server ID: *	
Activation Status: UNACTIVATED	
Clustering Option: No	
Number of Cores Per CPU: 2	
Type of CPU Licensed: Logic	
Instance Number of Server: 1	
Session check thread started	

4.6.2 Logging in to WebLogic Server Administration Console

Step 1: From the computer on which the WebLogic Server is running, open the Windows Start menu and select: **Programs | Appeon for PowerBuilder 2013 R2 | Appeon Server for WebLogic | Instances | InstanceName | WebLogic Manager**.

The logon page of "WebLogic Server Administration Console" appears.

BEA WebLogic Server Administration Console - Windows Internet Explorer	
🕞 🕞 🖉 http://localhost:7001/console/login/LoginForm.jsp;ADMINCONSOLESESSION=pyvr 🔹 🐓 🗙 Live Search	۶ -
<u>Eile Edit View Favorites Tools H</u> elp	
🔶 🏟 💋 🕹 BEA WebLogic Server Administration Console	© T <u>o</u> ols ▼ [»]
WEBLOGIC SERVER ADMINISTRATION CONSOLE Log in to work with the WebLogic Server domain Username: weblogic Password: •••••••• Log In	*
Dana	• • 100% •
Done 📢 Local intranet Protected Mode: Off	💐 100% 🔻 🔡

Figure 4.44: Logon page

Step 2: Input user name and password to log in to the Administration Console.

The "WebLogic Server Administration Console" main page appears.

Figure 4.45: Main page

BEA WebLogic Server Administration Betry//localbost/70	01/console - Windows Internet Explorer	JeLabel=HomePage1	Live Search	
	of console console portang in pa-dided_pag			
<u>File Edit View Favorites Tools</u>	Help			
🔶 🚓 🏉 BEA WebLogic Serve	er Administration Console		• \mathbb{N} • \mathbb{H} • \mathbb{P}_{2ge} • \mathbb{O} Tools •	
WEBLOGIC SERV				
Change Center		ted to: base_domain 🛛 🏠 Home 🛛 Lo	oq Out Preferences Help AskBEA	
View changes and restarts	Home			
Click the Lock & Edit button to modify, add or delete items in this	Domain			
domain.	– Information and Resources –			
Lock & Edit	Helpful Tools General Information			
Release Configuration	> Configure applications	> Common Administration Task De	scriptions	
	> Recent Task Status	> Recent Task Status > Set your console preferences		
Domain Structure		> Read the documentation		
base_domain				
Environment Deployments	Domain Configurations			
Services Security Realms	Domain	Services	Interoperability	
⊞Interoperability	■ Domain	Messaging	WTC Servers	
⊡Diagnostics		> JMS Servers	Jolt Connection Pools	
	Environment	> Store-and-Forward Agents		
How do I 🖬	Servers	> JMS Modules	Diagnostics	
	■ Clusters	> Bridges	Log Files	
Use the Change Center View pending changes	Virtual Hosts	■ JDBC	Diagnostic Modules	
		💊 ocal intran	et Protected Mode: Off 🛛 🔍 100% 👻	

4.6.3 Stopping Appeon Server

Stopping WebLogic Server will shut down Appeon Server.

Change to the WebLogic Server domain, for example, C:\bea\user_projects\domains \mydomain\bin, and run the **stopWebLogic.cmd** file.

If you have any problems in using WebLogic Server, refer to the WebLogic Server documents at <u>http://download.oracle.com/docs/cd/E12839_01/wls.htm</u>.

5 Configuring Appeon Server Cluster

Appeon provides its own tools and plug-ins to configure an Appeon Server cluster and implement the load balancing and failover functionalities. An Appeon Server cluster is essentially a group of WebLogic servers, each with Appeon Server and Appeon plug-in installed.

Following are high level steps for configuring an Appeon Server cluster. For detailed instructions, please refer to **Tutorial 5: Configure Appeon Server Cluster** in *Appeon Mobile Tutorials*.

- 1. Install Appeon Server to multiple WebLogic servers.
- 2. Create Appeon Server cluster in AEM.
- 3. Configure the **Web server** for the Appeon Server cluster.
- 4. Deploy the application to the Appeon Server cluster and Web server(s).

6 Post-Installation Configuration Tasks

6.1 Overview

The previous chapters provide instructions on how to set up Appeon system architecture, including installing Appeon for PowerBuilder components, as well as configuring Appeon Server cluster. Once the Appeon system is set up and before you start deploying applications, the post-installation configuration tasks listed in the following table will help ensure that the deployed applications run as desired. Post-installation configuration tasks refer to configurations required for Appeon system architecture that affect the running of all applications but do not include configuration tasks performed in Appeon Developer and Appeon Enterprise Manager for specific applications.

Task	Description	Detailed Instructions Given in
Configuration for the client machine	The IE security settings and Windows login user privileges may prevent downloading the Appeon Xcelerator plug-in.	Configuration for client machine
System language setting	Configuration required for the client, Appeon Server and database server. The operating system language settings can affect the characters that are displayed in the Appeon Web application.	System language settings
Database JDBC driver preparation	Configuration required for Appeon Server. You should copy the corresponding driver files for the database server in use to the WebLogic server installation folder in the machine hosting Appeon Server.	JDBC driver preparation in the Appeon Server Configuration Guide
Configuration for supporting DataWindow Data Cache feature	Configuration required for database server and Web server. The DataWindow Data Cache feature can cache DataWindow data that are frequently used on the Web server to improve runtime performance, but will not work until you fulfill the configuration requirements for database server(s) and Web server(s). This feature is not available for Web servers running Unix\Linux.	DataWindow Data Cache in the Appeon Server Configuration Guide
Configuration for supporting dynamic DataWindows	Configuration required for database server. Configuration at the database server is required for support of dynamic DataWindows.	Dynamic DataWindow in the Supported

Table 6.1: Post-installation tasks

Task	Description	Detailed Instructions Given in
		PB Features for Appeon Web
Configuration for fixing an ASE issue	Appeon provides several SQL files for you modifying the chain modes of stored procedures in ASE database to avoid the following error: "Select error: Stored procedure may be run only in unchained transaction mode"	ASE Chained mode issue in the Appeon Troubleshooting Guide

6.2 Configuration for client machine

Running the deployed application on the client machine is dependent on the Appeon Xcelerator plug-in (ActiveX controls). To ensure (only for the first time) the Appeon ActiveX controls can be downloaded and installed automatically when the application is run, the following configuration on the client machine is required.

For more information about the Appeon ActiveX file and the manual installation method, refer to the "Installing Appeon ActiveX Control" section in Supported PB Features for Appeon Web.

6.2.1 Configuring IE security settings

We recommend you add the URL of Appeon Web application to the **Trusted Sites** zone in Internet Explorer, because the default security settings of this zone are appropriate for downloading and installing the Appeon ActiveX controls. However, if you do not want to add the URL to the Trusted Sites zone, you will need to make sure the security settings (listed in Step 4 below) are enabled for the appropriate zone. The following are detailed steps to add the URL to the Trusted Sites zone.

Step 1: In Internet Explorer, on the Tools menu, click Internet Options.

Step 2: In the Internet Options window, select the **Security** tab. Then select the **Trusted sites** Web content zone, and click the **Sites** button.

Figure 6.1: IE security settings

Internet Options					
General Security Privacy Content Connections Programs Advanced					
Select a zone to view or change security settings.					
Internet Local intranet Trusted sites Restricted sites					
Trusted sites					
This zone contains websites that you trust not to damage your computer or your files.					
Security level for this zone					
Allowed levels for this zone: All					
Medium Prompts before downloading potentially unsafe content Unsigned ActiveX controls will not be downloaded					
Enable Protected Mode (requires restarting Internet Explorer)					
<u>C</u> ustom level Default level					
Reset all zones to default level					
OK Cancel Apply					

Step 3: In the Trusted sites window, input the URL of the Web application to the "Add this website to the zone" box. Uncheck the checkbox of "Require server verification (https:) for all sites in this zone". Click **Add** then click **Close** to return to the Internet Options window.

Figure 6.2: Trusted sites

Trusted sites					
You can add and remove websites from this zone. All websites in this zone will use the zone's security settings.					
Add this website to the zone:					
http://goabc.com					
Websites:					
Remove					
Require server verification (https:) for all sites in this zone					
⊆lose					

Step 4: If you do not want to add the URL to the trusted sites (in Step 3), you will need to select the appropriate zone, then click the **Custom Level** button, and enable the following settings (they are enabled for the trusted sites by default):

- Download signed ActiveX controls
- Run ActiveX controls and plug-Ins
- Script ActiveX controls marked safe for scripting
- Active scripting

Step 5: Click **OK** to save the settings and close IE.

6.2.2 Logging in as administrator or normal user

Different Internet Explorer versions require different user privileges for installing the ActiveX control.

- If using IE 8.0, 9.0 or 10 on Windows Vista/7/2008, you do not need administrative privileges to download and register the ActiveX control; you can log into the machine as a normal user.
- If using IE 8.0, 9.0 or 10 on Windows XP/2003, or if using IE 7.0 or earlier, you must log in as a member of the Administrator group so you have the permissions to download and register the ActiveX control successfully.

Please read the appropriate section for the IE version you are using.

A useful tip: In very rare cases, even after making the required configurations, you still get errors such as "Appeon Xcelerator plug-in cannot be loaded" or "Internet Explorer cannot open the Internet site http://<Web site>. Operation aborted.", you can try this to resolve the error: right click the Internet Explorer icon on desktop, choose Run as administrator; after the Web application runs successfully, restart IE in the normal way.

6.2.2.1 Using IE 8.0, 9.0 or 10

- If you are using IE 8.0, 9.0 or 10 on Windows Vista/7/2008, follow the prompts in IE information bar to install the ActiveX control, no matter which user account (administrator or normal user) you use.
- If you are using IE 8.0, 9.0 or 10 on Windows XP/2003, first log in as an Administrator group member, then follow the prompts in IE information bar to install the ActiveX control, then log off and log in again as a normal user.

The following are detailed steps to install the ActiveX control from the IE information bar:

Step 1: Click the IE information bar, the yellow message bar at the top, that says, "This website wants to install the following add-on: 'Appeon Web Library' from 'Appeon Corporation'. If you trust the website and the add-on and want to install it, click here...".

Step 2: Select "Install This Add-on for All Users on This Computer...". This will complete the installation of the first Appeon ActiveX control. (Note: you will need to do this step one more time, as there are two Appeon ActiveX controls to install.)

n → Page → Safety → Tools → @ → 🎎 →						
	Install This Add-on Install This Add-on for All Users on This Computer What's the Risk?					
	Information Bar Help					

Figure 6.3: IE information bar

Step 3: Click **Yes** if Windows display the following "User Account Control" screen confirming that you want to install the component.

Figure 6.4: UAC window

😗 User Account Control					
2	Do you want to allow the following program to make changes to this computer?				
Program name: Appeon Web Library Verified publisher: Appeon Corporation File origin: Downloaded from the Internet					
💌 si	how detai	ls		Yes N	lo
			Change wi	hen these notification	<u>appear</u>

The installation will proceed and when it is successful, the following web page will be displayed.

Figure 6.5: Appeon download center

RP	S		
	_ Mode		
	Bun Now	For high speed network. The application runs immediately and files are downloaded only when needed. Recommended for broadband connection, such as xDSL.	
	C Run After Download	For low speed network. All files will be downloaded before the application runs. Recommended for narrowband connection, such as modem or ISDN.	
		ΟΚ	

Step 4: Click the **OK** button and the system will begin the download process.

Figure 6.6: Download file

Download Info							
	_	Downloading sys	Downloading system files. Please wait				
	Appeon System Files						
		Time Left:	0h:0m:3s (2,218KB/2,4	137KB)			
		Transfer Speed:	59.58 KB/s				
				Cancel			

Step 5: After this process is complete, you will see the "Appeon Xcelerator plug-in cannot be loaded" screen again. Click the IE information bar and select "Install This Add-on for All Users on This Computer..." one more time (this will install the second plug-in). This time you will see a spiraling wait icon and at the bottom left side on the status bar, you will see several program files being loaded. Once this process is completed, the application is ready to be used.

6.2.2.2 Using IE 7.0 (or earlier)

If you are using IE 7.0 or earlier, you need to first log in as an Administrator group member, then follow the prompts in IE information bar to install the ActiveX control, then log off and log in again as a normal user.

For Windows Vista, 2008, or 7, if UAC is on, when you follow the prompts in the IE information bar to install the ActiveX control, a window as below may appear, you need to input the administrator password and click **OK**; then the ActiveX control will be installed successfully.

Figure 6.7: User Account Control

ser Account	Control 🧮						
💎 Wind	lows needs your permission to continue						
If you started this action, continue.							
Ø	Internet Explorer Add-on Installer Microsoft Windows						
To continue	, type an administrator password, and then click OK.						
	Administrator						
2 mg	Password						
	appeon						
Details	OK Cancel						
Jser <mark>A</mark> ccount	Control helps stop unauthorized changes to your computer.						

If you are using IE 7, make sure IE is not started in "No-Add-ons" mode, as IE browser started in this mode will not be able to run the Appeon ActiveX control. In this case, exit IE and restart it in normal mode.

6.2.3 Verifying Appeon ActiveX control installation

We recommend you verify the installation of Appeon ActiveX controls, especially after you upgrade Internet Explorer or Appeon for PowerBuilder. The following are detailed steps.

Step 1: In Internet Explorer, on the Tools menu, click Manage Add-ons.

🔻 🖃 🚔 🔻 Page 🕶 Safety 🕶 Tools -2 Diagnose Connection Problems... (@an Sigr Reopen Last Browsing Session Þ Pop-up Blocker Manage Add-ons 20 Work Offline X 2 **Compatibility View** Compatibility View Settings

Figure 6.8: Manage add-ons

Step 2: From the list of add-ons, there are two listed for Appeon Corporation: EonDownloadCenter Class and EonUISpace Class. Make sure their status are Enabled.

Name	Publisher	Status	File date	Version	Load	
Adobe PDF Link Helper	Adobe Systems, Incorpo	Enabled 02/27/	02/27/2009 12:07 P	9.1.0.163	0.03 s	
Adobe PDF Reader	Adobe Systems, Incorpo	Enabled	02/27/2009 12:07 P			
Appeon Corporation						
EonDownloadCenter Class	Appeon Corporation	Enabled	07/01/2010 9:16 PM	6.5.106.0		
EonUISpace Class	Appeon Corporation	Enabled	07/01/2010 9:17 PM	6.5.0106.0		
Apple Inc.						
QuickTime Object	Apple Inc.	Enabled	09/09/2010 4:01 PM	QuickTime		
Control name is not available —						
Web Test Recorder	Control name is not avai	Enabled		4.0.31106.0		
•	III					

6.3 System language settings

Sometimes the operating system language settings can affect the characters displayed in the Appeon Web application. To avoid any such display issues, verify that:

- The language of the data in the database used by the application matches the operating system language settings on the machine where Appeon Server is installed.
- The language of the data in the database used by the application matches the Windows language settings on each Client machine where the Web application will be viewed.
- The language of the data in the database used by the Appeon-deployed Web application matches Windows language settings on the machine where Appeon Developer is installed.

To set the language settings in Windows operating system:

Step 1: Open Windows Start Menu and select Settings | Control Panel.

- Step 2: Double-click Regional Options.
- Step 3: Select the appropriate language from the Your locale DropDownListBox.

Step 4: Click the **Set Default** button. The Select System Local window displays.

Step 5: Select the appropriate locale. Verify that it is the same as that selected in the **Your locale** list box in Regional Options.

Step 6: Click **OK** to return to the Regional Options window.

Step 7: Verify that the language selected in the **Your locale** list box and the language checked as default in **Language settings for the system** settings are the same. The language can be from different regions as long as it is the same language.

Step 8: Click Apply and OK in the Regional Options window to accept the settings.

To set the language settings in Unix\Linux operating system:

Step 1: Change to the etc/default folder and edit the init file.

Step 2: Set the value of the LANG command to the appropriate language. You can use command "locale -a" to view the locale languages supported by the operating system.

7 Uninstalling Appeon Web 2013 R2

7.1 Overview

To uninstall Appeon for PowerBuilder, uninstall each of its components separately. The uninstall process reverses the actions performed by the Appeon installation program. Uninstallation does not delete any user created files in Appeon, such as Web files generated while deploying the demo applications or your own application to Appeon Server. Delete these files manually from the Web root.

Do not try to reverse installation steps or uninstall Appeon by deleting files manually or changing your Registry. This can create serious problems with your system in general and new Appeon releases in particular.

There are two ways to uninstall Appeon components:

- Launch the Appeon uninstall program from Windows Start menu | Programs | Appeon for PowerBuilder 2013 R2.
- Launch Add/Remove Programs from the Windows Control Panel. Select the Appeon component and click **Change/Remove** to begin the uninstall process.

7.2 Uninstalling Appeon Developer

Step 1: Shut down all Windows programs, including all Sybase softwares:

- Shut down Sybase PowerBuilder
- Stop the Sybase EP Management Service.

Step 2: Verify that Appeon Developer and all Sybase softwares have been shut down.

Open Windows Task Manager, switch to the Process tab and verify that the following processes are not running. If they are running, end them:

- EonADTxx.exe
- pbxxx.exe
- java.exe, jagsrv.exe and jagsrvagent.exe
- dbengx.exe and dbsrvx.exe

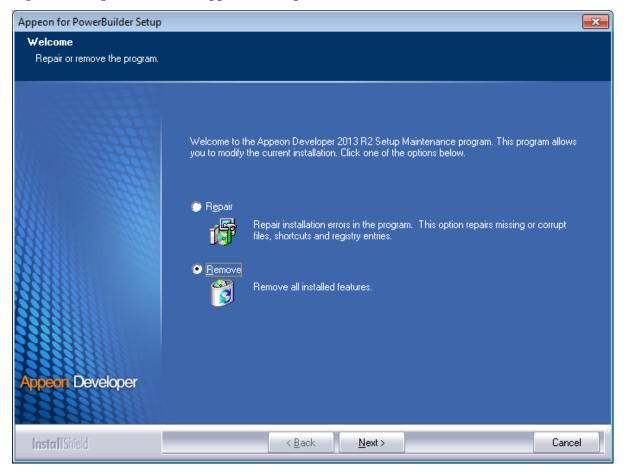
If **EonADTxx.exe** is running when attempting to uninstall Appeon Developer, Appeon Setup will detect that the processes are running and an error message will appear.

End the processes in the Processes tab of Windows Task Manager before clicking the **OK** button on the message box. If you click **OK** before ending the process, the message box will continue to display and will not allow you to continue until the processes are ended. In this case, click **Cancel** in the message box, end the process and begin the uninstall process again.

Step 3: Select Windows Start menu | Programs | Appeon for PowerBuilder 2013 R2 | Appeon Developer | Uninstall Appeon Developer to begin the uninstall process.

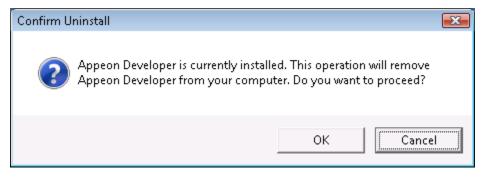
Step 4: Choose Remove to delete all installed features. Click Next.

Figure 7.1: Repair or remove Appeon Developer



Step 5: Click **OK** to confirm the removal of Appeon Developer.

Figure 7.2: Confirm uninstall



Step 6: Click **Finish** when uninstall is complete.

Figure 7.3: Appeon Developer uninstall complete



Step 7: Use Windows Explorer to manually delete the folder where Appeon Developer was installed. This will remove all Appeon Developer files that are not automatically uninstalled.

7.3 Uninstalling Appeon Server

Step 1: Shut down Appeon Server and WebLogic Server.

Step 2: Select Windows Start menu | Programs | Appeon for PowerBuilder 2013 R2 | Appeon Server for WebLogic | Uninstall Appeon Server to begin the uninstall process.

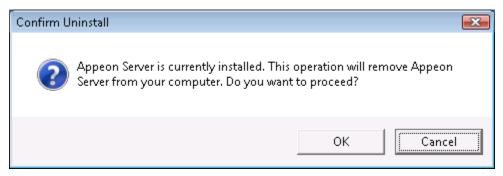
Step 3: Choose **Remove** to delete all installed features. Click **Next**.

Figure 7.4: Repair or remove Appeon Server



Step 4: Click **OK** to confirm the removal of Appeon Server.

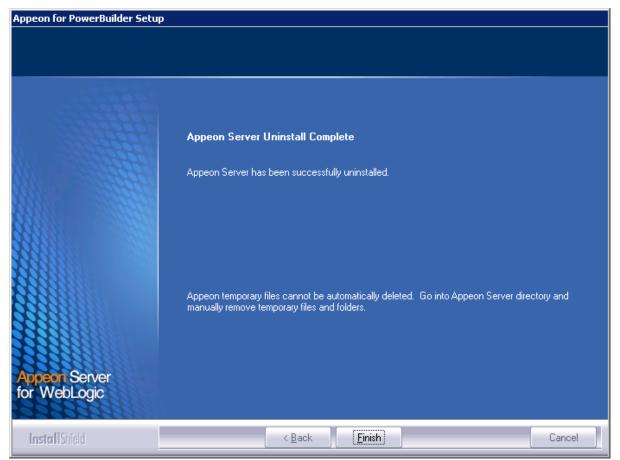
Figure 7.5: Confirm uninstall



Step 5: Wait until Appeon Server is completely uninstalled.

Step 6: Click **Finish** to exit.

Figure 7.6: Appeon Server uninstall complete



Step 7: After the uninstall process is complete, remove any files or folders left in the Appeon installation folder.

7.4 Uninstalling Appeon Server Web Component (for third-party Web servers only)

Step 1: Stop all Windows programs as well as the Web server.

Step 2: Select Windows Start menu | Programs | Appeon for PowerBuilder 2013 R2 | Appeon Server Web Component | Uninstall Appeon Server Web Component to begin the uninstall process.

Step 3: Choose **Remove** to delete all installed features. Click **Next**.

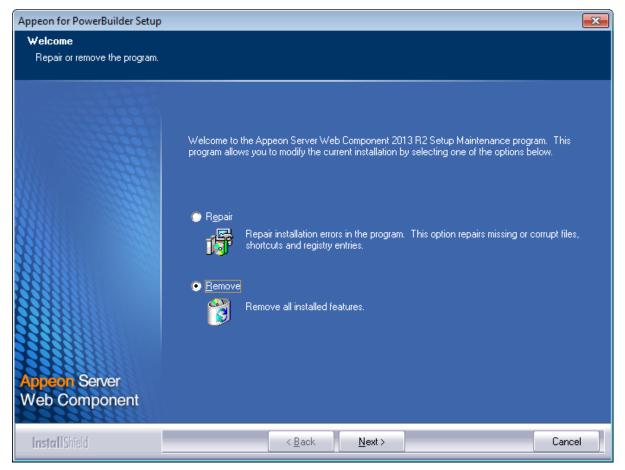
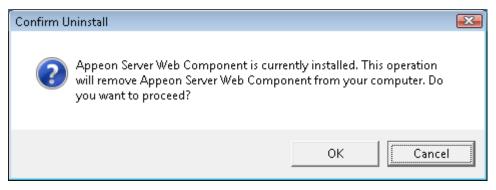


Figure 7.7: Repair or remove Appeon Server Web Component

Step 4: Click **OK** to confirm the removal of Appeon Server Web Component.

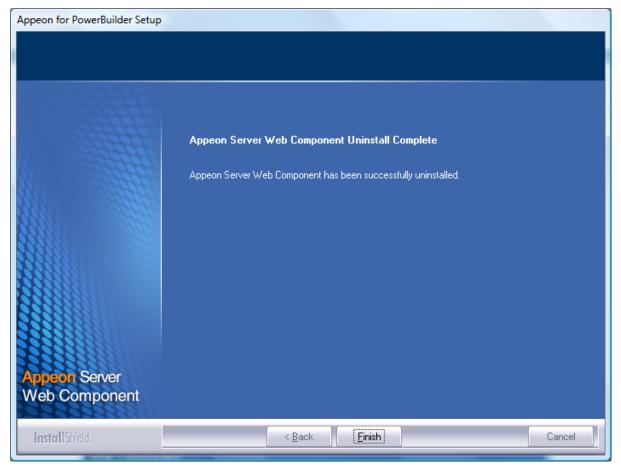
Figure 7.8: Confirm uninstall



Step 5: Wait until the uninstallation is complete.

Step 6: Click **Finish** to exit.

Figure 7.9: Appeon Server Web Component uninstall complete



7.4.1 Uninstalling Web Component if multiple third-party Web servers are involved

Repeat the Web Component uninstall steps for each third-party Web server.

7.5 Uninstalling Appeon Help

Step 1: Select Windows Start menu | Programs | Appeon for PowerBuilder 2013 R2 | Appeon Help | Uninstall Appeon Help to begin the uninstall process.

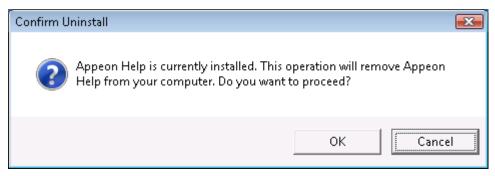
Step 2: Choose Remove to delete all installed features. Click Next.

Figure 7.10: Repair or remove Appeon Help



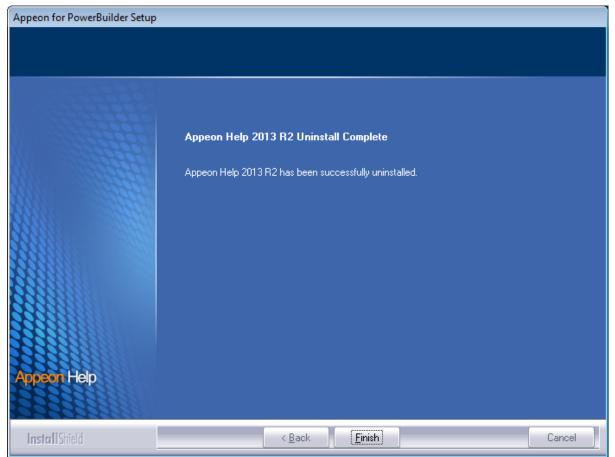
Step 3: Click **OK** to confirm the removal of the Appeon Help.

Figure 7.11: Confirm uninstall



Step 4: Click **Finish** to exit.

Figure 7.12: Appeon Help uninstall complete



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