

Silent Installation Guide on Windows

Appeon® for PowerBuilder® 2016
FOR WINDOWS

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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: Silent Installation Guide

Instruction for configuring and installing Appeon for PowerBuilder 2016 in the silent mode.

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 through 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.
- 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 <http://www.appeon.com/support>.

2 Silent Installation Guide

The silent installer allows you to install the Apeon for PowerBuilder on Windows in a silent mode. And before you could run the setup program in a silent mode, you would need to configure all of the settings required by the setup program beforehand. Instead of making the configurations and selections in graphical user interface throughout the installation process, you predefine these configurations and selections in the SilentInstall.ini configuration file and then the setup program will automatically read this file for any value or settings whenever needed.

The silent installer can install any of the Apeon components, including Apeon Server of all types (except for EA Server and NetWeaver), Apeon Developer, Apeon Server Web Component, and Apeon Help. And the required settings of these components are specified in the same configuration file -- SilentInstall.ini -- located under the root directory of the installation package, for example, ...\\Apeon\\SilentInstall.ini.

The silent installer can be launched via commands in the DOS command window. You'd better first copy all of the files for the silent installer to the local machine.

2.1 Apeon Server Silent Installation

Apeon Server for almost all types including .NET, JBoss, JEUS, WebLogic and WebSphere (except for EA Server and NetWeaver) can be installed in a silent mode. And the Apeon Server silent installer not just install Apeon Server, but also install the packaged Apeon applications.

If an older version of Apeon Server has already been installed such as 6.5, 6.6, 2013, or 2013 R2, silent installer will upgrade the older version to the current version; if the exact same build and version of Apeon Server has already been installed, then silent installer will remove the Apeon Server first and then install it again; if the same version (but a different build) of Apeon Server has already been installed, then silent installer will terminate the installation.

2.1.1 Configuring silent installation for Apeon Server

Here are the silent install settings for Apeon Server for .NET:

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ...\\Apeon\\SilentInstall.ini) in a text editor and locate the **[netserver]** section; and then configure the following parameters for the silent installation of Apeon Server for .NET.

Table 2.1: Silent install settings for .NET

Parameter	Usage
WorkWithAzure	Sets whether to work with the Windows Azure environment. The value can be <i>true</i> or <i>false</i> .
RegisterNETFramework	Sets whether to register the .NET Framework. The value can be <i>true</i> or <i>false</i> .
AutoSetEnable32BitAppOnWin64	Sets whether to automatically turn on the Enable32BitAppOnWin64 parameter for IIS.

Parameter	Usage
	The value can be <i>true</i> or <i>false</i> .
Upgrade6x	Sets whether to upgrade the Apeon Server whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .
CreateWebSite	Sets whether to automatically create an Apeon Server Instance on a new Web site.
WebSiteName	Sets the name of the new or an existing IIS Web site where Apeon Server will be installed.
WebSiteHome	If CreateWebSite is set to true, you will need to set the home directory for the new IIS Web Site.
WebSitePort	If CreateWebSite is set to true, you will need to set the HTTP Port for the new IIS Web Site. The value can be between 1 and 65535.
ProcessModelUserName, ProcessModelPassword	Sets the user name and password of an administrator group member for the application pool used by Apeon Server. These two parameters must be set in order to install and run Apeon Server on Windows Azure successfully.
InstallDemo	Sets whether to install the Apeon demo applications. The value can be <i>true</i> or <i>false</i> .
ASAENGPATH	If InstallDemo is set to true, you will need to specify the path for an existing ASA engine.
EnableASAODBCPool	Sets whether to enable the Connection Pooling feature in ODBC Data Source. The value can be <i>true</i> or <i>false</i> .
AEMUserName, AEMPassword	Sets the AEM login user name and password.
ModifyASPSettings	Sets whether to modify the current ASP.NET settings. The value can be <i>true</i> or <i>false</i> .
minWorkerThreads, maxIoThreads, minWorkerThreads, minFreeThreads, minLocalRequestFreeThreads, executionTimeout, maxRequestLength	Sets the ASP.NET settings.
Silent_Install_AppPackage	Sets whether to silently install the packaged Apeon application(s) to the Apeon Server. The value can be <i>true</i> or <i>false</i> .

Parameter	Usage
AppPackage_1, AppPackage_2, AppPackage_3, AppPackage_4, AppPackage_5	<p>Points to the folder name of the Appeon application package that will be silently installed to the Appeon Server. You can install no more than 5 applications at a time.</p> <p>To create an Appeon application package, click the Package button on the Appeon Developer toolbar and set the package type to Package a Server Deployment Project. For detailed instructions, refer to Section 11.1, “Packaging a server deployment project” in <i>Appeon Developer User Guide</i>. After the package is generated, copy the entire package to the "...\Appeon\AppPackage_install" folder and then set the Silent_Install_AppPackage parameter to true and the AppPackage_# parameter to the package folder name.</p>

Here are the silent install settings for Appeon Server for JBoss:

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ...\Appeon\SilentInstall.ini) in a text editor and locate the **[jbossserver]** section; and then configure the following parameters for the silent installation of Appeon Server for JBoss.

Table 2.2: Silent install settings for JBoss

Parameter	Usage
JBossPath	Sets the home directory of the JBoss server.
InstanceName	Sets the instance name of the JBoss server. Appeon Server will be installed to the specified server instance.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	<p>Sets whether to upgrade the Appeon Server whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015.</p> <p>The value can be <i>true</i> or <i>false</i>.</p>
JDKHome	Sets the directory where JDK 1.8 or above is located.
Silent_Install_AppPackage	<p>Sets whether to silently install the packaged Appeon application(s) to the Appeon Server.</p> <p>The value can be <i>true</i> or <i>false</i>.</p>
AppPackage_1, AppPackage_2, AppPackage_3, AppPackage_4, AppPackage_5	<p>Points to the folder name of the Appeon application package that will be silently installed to the Appeon Server. You can install no more than 5 applications at a time.</p> <p>To create an Appeon application package, click the Package button on the Appeon Developer toolbar and set the package type to Package a Server Deployment Project. For detailed instructions, refer to Section 11.1, “Packaging a server deployment project” in <i>Appeon Developer User Guide</i>. After the package is generated, copy the entire package to</p>

Parameter	Usage
	the "...\Appeon\AppPackage_install" folder and then set the Silent_Install_AppPackage parameter to true and the AppPackage_# parameter to the package folder name.

Here are the silent install settings for Appeon Server for JEUS:

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ... \Appeon\SilentInstall.ini) in a text editor and locate the **[jeusservr]** section; and then configure the following parameters for the silent installation of Appeon Server for JEUS.

Table 2.3: Silent install settings for JEUS

Parameter	Usage
JEUSPath	Sets the home directory of the JEUS server.
InstanceName	Sets the name of of the JEUS container. Appeon Server will be installed to the specified container.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	Sets whether to upgrade the Appeon Server whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .
JDKHome	Sets the directory where JDK 1.8 or above is located.
Silent_Install_AppPackage	Sets whether to silently install the packaged Appeon application(s) to the Appeon Server. The value can be <i>true</i> or <i>false</i> .
AppPackage_1, AppPackage_2, AppPackage_3, AppPackage_4, AppPackage_5	Points to the folder name of the Appeon application package that will be silently installed to the Appeon Server. You can install no more than 5 applications at a time. To create an Appeon application package, click the Package button on the Appeon Developer toolbar and set the package type to Package a Server Deployment Project . For detailed instructions, refer to Section 11.1, "Packaging a server deployment project" in <i>Appeon Developer User Guide</i> . After the package is generated, copy the entire package to the "...\Appeon\AppPackage_install" folder and then set the Silent_Install_AppPackage parameter to true and the AppPackage_# parameter to the package folder name.

To silently install the Appeon application to the Appeon Server for JEUS, in addition to configuring the above parameters, you will also need to configure the USERNAME and PASSWORD parameters for a JEUS command in ..\TmaxSoft\JEUS6.0\bin\jeus.properties.cmd.

Here are the silent install settings for Appeon Server for WebLogic:

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ... \Appeon\SilentInstall.ini) in a text editor and locate the **[weblogicserver]** section;

and then configure the following parameters for the silent installation of Apeon Server for WebLogic.

Table 2.4: Silent install settings for WebLogic

Parameter	Usage
WeblogicPath	Sets the home directory of the WebLogic server.
DomainName	Sets the name of of the WebLogic domain. Apeon Server will be installed to the specified domain.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	Sets whether to upgrade the Apeon Server whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .
JDKHome	Sets the directory where JDK 1.8 or above is located.
Silent_Install_AppPackage	Sets whether to silently install the packaged Apeon application(s) to the Apeon Server. The value can be <i>true</i> or <i>false</i> .
AppPackage_1, AppPackage_2, AppPackage_3, AppPackage_4, AppPackage_5	Points to the folder name of the Apeon application package that will be silently installed to the Apeon Server. You can install no more than 5 applications at a time. To create an Apeon application package, click the Package button on the Apeon Developer toolbar and set the package type to Package a Server Deployment Project . For detailed instructions, refer to Section 11.1, “Packaging a server deployment project” in <i>Apeon Developer User Guide</i> . After the package is generated, copy the entire package to the "...\Apeon\AppPackage_install" folder and then set the Silent_Install_AppPackage parameter to true and the AppPackage_# parameter to the package folder name.

Here are the silent install settings for Apeon Server for WebSphere:

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ...\Apeon\SilentInstall.ini) in a text editor and locate the **[websphereserver]** section; and then configure the following parameters for the silent installation of Apeon Server for WebSphere.

Table 2.5: Silent install settings for WebSphere

Parameter	Usage
WebspherePath	Sets the home directory of the WebSphere server.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	Sets whether to upgrade the Apeon Server whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .

Parameter	Usage
JDKHome	Sets the directory where JDK 1.8 or above is located.
Silent_Install_AppPackage	Sets whether to silently install the packaged Appeon application(s) to the Appeon Server. The value can be <i>true</i> or <i>false</i> .
AppPackage_1, AppPackage_2, AppPackage_3, AppPackage_4, AppPackage_5	Points to the folder name of the Appeon application package that will be silently installed to the Appeon Server. You can install no more than 5 applications at a time. To create an Appeon application package, click the Package button on the Appeon Developer toolbar and set the package type to Package a Server Deployment Project . For detailed instructions, refer to Section 11.1, “Packaging a server deployment project” in <i>Appeon Developer User Guide</i> . After the package is generated, copy the entire package to the "...\Appeon\AppPackage_install" folder and then set the Silent_Install_AppPackage parameter to true and the AppPackage_# parameter to the package folder name.

2.1.2 Running silent installation for Appeon Server

In the DOS prompt window, navigate to the corresponding folder for the Appeon Server type under the installation package: **DNS** for .NET, **JBS** for JBoss, **JEUS** for JEUS, **WBL** for WebLogic, and **WBS** for WebSphere.

Then run this command: `setup.exe /s`.

Take .NET for example,

```
cd C:\setup\Appeon\DNS
setup.exe /s
```

The icon indicating the installation progress will be minimized and displayed on the Windows Taskbar. When the installation is completed, the icon will vanish. To confirm that the Appeon Server installation is successful, go to the Windows Start menu, and make sure the Appeon for PowerBuilder 2016 | Appeon Server for * shortcut menu is created; and then go and check the log file under `C:\Windows\System32\AppeonInstallLog` to determine if any error occurred during installation. To confirm that the Appeon application installation is successful, go to the Windows menu, and make sure the Appeon Web Application | *ApplicationName* shortcut menu is created, and you can click it to run the application successfully.

2.2 Appeon Developer Silent Installation

2.2.1 Configuring silent installation for Appeon Developer

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ...\Appeon\SilentInstall.ini) in a text editor and locate the **[ADT]** section; and then configure the following parameters for the silent installation of Appeon Developer.

Table 2.6: Silent install settings

Parameter	Usage
ADTHome	Sets the installation location of Apeon Developer.
Upgrade6x	Sets whether to upgrade Apeon Developer whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> . If it is false, then the old version will be retained, and the new version will be installed, so the old version and the new version will coexist on the same machine.
PB8, ..., PB126	Sets the PowerBuilder version(s) that the Apeon Developer toolbar will be integrated to. The value can be <i>true</i> or <i>false</i> .
OverwriteADTTToolBar	Sets whether to replace the old version of Apeon Developer toolbar if the selected PB version(s) already integrates with an old version of Apeon Developer toolbar. When multiple versions of Apeon Developer coexist, you can choose whether a PB version still integrates with the old version of Apeon Developer toolbar, or the new version of Apeon Developer toolbar should replace the old version. The value can be <i>true</i> or <i>false</i> .
ApeonServer_type, ApeonServer_name, ApeonServer_port, WebServer_type, WebServer_name, WebServer_port	Sets the type, host name, and port number for Apeon Server and Web Server. The value for ApeonServer_type can be <i>J2EE</i> or <i>.NET</i> . The value for WebServer_type can be <i>EAS</i> (for EAServer), <i>IIS</i> (for IIS), <i>A13</i> (for Apache 1.3), <i>A20</i> (for Apache 2.x), <i>WBL</i> (for WebLogic), <i>WBS</i> (for WebSphere), <i>JES</i> (for JEUS), <i>JBS</i> (for JBoss).
ASAENGPATh	Sets the path of an existing ASA engine.

2.2.2 Running silent installation for Apeon Developer

In the DOS prompt window, navigate to the "ADT" folder under the installation package, and run this command: `setup.exe /s`. For example,

```
cd C:\setup\Apeon\ADT
setup.exe /s
```

The icon indicating the installation progress will be minimized and displayed on the Windows Taskbar. When the installation is completed, the icon will vanish. To confirm that the installation is successful, go to the Windows Start menu, and make sure the Apeon for PowerBuilder 2016 | Apeon Developer shortcut menu is created; and then go and check this log file: `C:\Windows\System32\ApeonInstallLog\ApeonADTSilent2016.txt` to determine if any error occurred during installation.

2.3 Appeon Server Web Component Silent Installation

2.3.1 Configuring silent installation for Appeon Server Web Component

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ...\\Appeon\\SilentInstall.ini) in a text editor and locate the **[weblibrary]** section; and then configure the following parameters for the silent installation of Appeon Server Web Component.

Table 2.7: Silent install settings

Parameter	Usage
WebHome	Sets the installation location of Appeon Server Web Component.
Upgrade6x	Sets whether to upgrade Appeon Server Web Component whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .

2.3.2 Running silent installation for Appeon Server Web Component

In the DOS prompt window, navigate to the "AWL" folder under the installation package, and run this command: `setup.exe /s`. For example,

```
cd C:\setup\Appeon\AWL
setup.exe /s
```

The icon indicating the installation progress will be minimized and displayed on the Windows Taskbar. When the installation is completed, the icon will vanish. To confirm that the installation is successful, go to the Windows Start menu, and make sure the Appeon for PowerBuilder 2016 | Appeon Server Web Component shortcut menu is created; and then go and check this log file: `C:\Windows\System32\AppeonInstallLog\AppeonWebSilent2016.txt` to determine if any error occurred during installation.

2.4 Appeon Server for Cloud Silent Installation

2.4.1 Configuring silent installation for Appeon Server for Cloud

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ...\\Appeon\\SilentInstall.ini) in a text editor and locate the **[cloud]** section; and then configure the following parameters for the silent installation of Appeon Server for Cloud.

Table 2.8: Silent install settings

Parameter	Usage
CloudHome	Sets the installation location of Appeon Server for Cloud.
Upgrade6x	Sets whether to upgrade Appeon Server for Cloud whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .

2.4.2 Running silent installation for Appeon Server for Cloud

In the DOS prompt window, navigate to the "AS4Cloud" folder under the installation package, and run this command: `setup.exe /s`. For example,

```
cd C:\setup\Appeon\AS4Cloud
setup.exe /s
```

The icon indicating the installation progress will be minimized and displayed on the Windows Taskbar. When the installation is completed, the icon will vanish. To confirm that the installation is successful, go to the Windows Start menu, and make sure the Appeon for PowerBuilder 2016 | Appeon Server for Cloud shortcut menu is created; and then go and check this log file: `C:\Windows\System32\AppeonInstallLog\AppeonCloudSilent2016.txt` to determine if any error occurred during installation.

2.5 Appeon Help Silent Installation

2.5.1 Configuring silent installation for Appeon Help

Open the `SilentInstall.ini` file (located under the root directory of the installation package, e.g. `...\Appeon\SilentInstall.ini`) in a text editor and locate the **[help]** section; and then configure the following parameters for the silent installation of Appeon Help.

Table 2.9: Silent install settings

Parameter	Usage
HelpHome	Sets the installation location of Appeon Help.
Upgrade6x	Sets whether to upgrade Appeon Help whose version is lower than 2016, such as 6.5, 6.6, 2013, 2013 R2, and 2015. The value can be <i>true</i> or <i>false</i> .

2.5.2 Running silent installation for Appeon Help

In the DOS prompt window, navigate to the "Help" folder under the installation package, and run this command: `setup.exe /s`. For example,

```
cd C:\setup\Appeon\Help
setup.exe /s
```

The icon indicating the installation progress will be minimized and displayed on the Windows Taskbar. When the installation is completed, the icon will vanish. To confirm that the installation is successful, go to the Windows Start menu, and make sure the Appeon for PowerBuilder 2016 | Appeon Help shortcut menu is created; and then go and check this log file: `C:\Windows\System32\AppeonInstallLog\AppeonHelpSilent2016.txt` to determine if any error occurred during installation.

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