

# Silent Installation Guide on Windows

Appeon® PowerServer® 2017  
FOR WINDOWS

DOCUMENT ID: ADC00827-01-0700-01

LAST REVISED: October 27, 2017

Copyright © 2000-2017 by Appeon Limited. All rights reserved.

This publication pertains to Appeon software and to any subsequent release until otherwise indicated in new editions or technical notes. Information in this document is subject to change without notice. The software described herein is furnished under a license agreement, and it may be used or copied only in accordance with the terms of that agreement.

No part of this publication may be reproduced, transmitted, or translated in any form or by any means, electronic, mechanical, manual, optical, or otherwise, without the prior written permission of Appeon Limited.

Appeon, the Appeon logo, Appeon PowerBuilder, Appeon PowerServer, PowerServer, PowerServer Toolkit, AEM, and PowerServer Web Component are trademarks of Appeon Limited.

SAP, Sybase, Adaptive Server Anywhere, SQL Anywhere, Adaptive Server Enterprise, iAnywhere, Sybase Central, and Sybase jConnect for JDBC are trademarks or registered trademarks of SAP and SAP affiliate company.

Java and JDBC are trademarks or registered trademarks of Sun Microsystems, Inc.

All other company and product names used herein may be trademarks or registered trademarks of their respective companies.

Use, duplication, or disclosure by the government is subject to the restrictions set forth in subparagraph (c)(1)(ii) of DFARS 52.227-7013 for the DOD and as set forth in FAR 52.227-19(a)-(d) for civilian agencies.

Appeon Limited, 1/F, Shell Industrial Building, 12 Lee Chung Street, Chai Wan District, Hong Kong.

# Contents

1 About This Book .....	1
1.1 Audience .....	1
1.2 How to use this book .....	1
1.3 Related documents .....	1
1.4 If you need help .....	2
2 Silent Installation Guide .....	3
2.1 Configure license agreement and product key .....	3
2.2 PowerServer silent installation .....	3
2.2.1 Configuring silent installation for PowerServer .....	3
2.2.2 Running silent installation for PowerServer .....	8
2.3 PowerServer Web Component Silent Installation .....	9
2.3.1 Configuring silent installation for PowerServer Web Component .....	9
2.3.2 Running silent installation for PowerServer Web Component .....	9
2.4 PowerServer Help Silent Installation .....	9
2.4.1 Configuring silent installation for PowerServer Help .....	9
2.4.2 Running silent installation for PowerServer Help .....	10
Index .....	11



# 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 Apeon PowerServer.

## 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 Apeon PowerServer 2017 in the silent mode.

## 1.3 Related documents

Apeon provides the following user documents to assist you in understanding Apeon PowerServer and its capabilities:

- **Introduction to Apeon:**  
Gives general introduction to Apeon PowerServer and its editions.
- **Getting Started (for PowerServer Mobile):**  
Guides you through installing PowerBuilder and Apeon PowerServer, and developing and deploying a mobile application.
- **New Features Guide:**  
Introduces new features and changes in Apeon PowerServer.
- **PowerServer Mobile Tutorials:**  
Gives instructions on deploying, running, and debugging the mobile application, distributing native mobile apps, and configuring the PowerServer cluster.
- **PowerServer Mobile (Offline) Tutorials:**  
Gives instructions on setting up the PowerServer Mobile (Offline) environment, and configuring, deploying, running, updating, and debugging the offline application.
- **Apeon Installation Guide:**  
Provides instructions on how to install Apeon PowerServer successfully.
- **Mobile UI Design & Development Guide:**  
Introduces general guidelines on designing and developing the mobile app and UI.
- **Migration Guidelines for PowerServer 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.

- **PowerServer Toolkit User Guide:**

Provides instructions on how to use the PowerServer Toolkit in Appeon PowerServer.

- **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.

- **PowerServer Configuration Guide:**

Provides instructions on how to configure PowerServer Monitor, establish connections between PowerServer and database servers, and configure AEM for maintaining PowerServer and the deployed applications.

- **Web Server Configuration Guide:**

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

- **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 UFT:**

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

## 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 PowerServer 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 the following Apeon components, including PowerServer of all types (except for NetWeaver), PowerServer Web Component, and PowerServer 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 must copy all of the files for the silent installer to the local machine.

### 2.1 Configure license agreement and product key

You will need to accept the Apeon license agreement and specify the product number before running the silent installation.

Open the SilentInstall.ini file (located under the root directory of the installation package, e.g. ... \Apeon\SilentInstall.ini) in a text editor and configure the following parameters:

- *AgreeToApeonLicense*: Set whether to accept the Apeon license agreement. The value can be *true* or *false*.
- *ProductKey*: Input the product key of the purchased product.

### 2.2 PowerServer silent installation

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

If an older version of PowerServer has already been installed such as 2016, silent installer will upgrade the older version to the current version; if the exact same build and version of PowerServer has already been installed, then silent installer will remove the PowerServer first and then install it again; if the same version (but a different build) of PowerServer has already been installed, then silent installer will terminate the installation.

#### 2.2.1 Configuring silent installation for PowerServer

**Here are the silent install settings for PowerServer 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 **[powerserver]** section; and then configure the following parameters for the silent installation of PowerServer 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. The value can be <i>true</i> or <i>false</i> .
Upgrade6x	Sets whether to upgrade the PowerServer whose version is lower than 2017, 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 a PowerServer Instance on a new Web site.
WebSiteName	Sets the name of the new or an existing IIS Web site where PowerServer 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 PowerServer. These two parameters must be set in order to install and run PowerServer on Windows Azure successfully.
InstallDemo	Sets whether to install the Apeon demo applications. The value can be <i>true</i> or <i>false</i> .
SAENGPATH	If InstallDemo is set to true, you will need to specify the path for an existing SQL Anywhere 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,	Sets the ASP.NET settings.



Parameter	Usage
minWorkerThreads, minFreeThreads, minLocalRequestFreeThreads, executionTimeout, maxRequestLength	
Silent_Install_AppPackage	Sets whether to silently install the packaged Apeon application(s) to the PowerServer.  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 PowerServer. You can install no more than 5 applications at a time.  To create an Apeon application package, click the <b>Package</b> button on the PowerServer Toolkit and set the package type to <b>Package a Server Deployment Project</b> . For detailed instructions, refer to Section 10.1, “Packaging a server deployment project” in <i>PowerServer Toolkit 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 PowerServer for JBoss:**

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 **[jbossserver]** section; and then configure the following parameters for the silent installation of PowerServer 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. PowerServer will be installed to the specified server instance.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	Sets whether to upgrade the PowerServer whose version is lower than 2017, 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 PowerServer.  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 PowerServer. You can install no more than 5 applications at a time.</p> <p>To create an Appeon application package, click the <b>Package</b> button on the PowerServer Toolkit and set the package type to <b>Package a Server Deployment Project</b>. For detailed instructions, refer to Section 10.1, “Packaging a server deployment project” in <i>PowerServer Toolkit 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 PowerServer 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 **[jeusserver]** section; and then configure the following parameters for the silent installation of PowerServer 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. PowerServer will be installed to the specified container.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	<p>Sets whether to upgrade the PowerServer whose version is lower than 2017, 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 PowerServer.</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 PowerServer. You can install no more than 5 applications at a time.</p> <p>To create an Appeon application package, click the <b>Package</b> button on the PowerServer Toolkit and set the package type to <b>Package a Server Deployment Project</b>. For detailed instructions, refer to Section 10.1, “Packaging a server deployment project” in <i>PowerServer Toolkit User Guide</i>. After the package is generated, copy the entire package to the "...\Appeon\AppPackage_install" folder and then set</p>

Parameter	Usage
	the Silent_Install_AppPackage parameter to true and the AppPackage_# parameter to the package folder name.

To silently install the Apeon application to the PowerServer 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 PowerServer for WebLogic:**

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 [weblogicserver] section; and then configure the following parameters for the silent installation of PowerServer 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. PowerServer will be installed to the specified domain.
AEMUserName, AEMPassword	Sets the AEM login user name and password.
Upgrade6x	Sets whether to upgrade the PowerServer whose version is lower than 2017, 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 PowerServer. 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 PowerServer. You can install no more than 5 applications at a time.  To create an Apeon application package, click the <b>Package</b> button on the PowerServer Toolkit and set the package type to <b>Package a Server Deployment Project</b> . For detailed instructions, refer to Section 10.1, “Packaging a server deployment project” in <i>PowerServer Toolkit 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 PowerServer 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 PowerServer 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 PowerServer whose version is lower than 2017, 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 PowerServer. 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 PowerServer. You can install no more than 5 applications at a time.  To create an Apeon application package, click the <b>Package</b> button on the PowerServer Toolkit and set the package type to <b>Package a Server Deployment Project</b> . For detailed instructions, refer to Section 10.1, “Packaging a server deployment project” in <i>PowerServer Toolkit 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.

### 2.2.2 Running silent installation for PowerServer

Copy the silent installation package to the local machine.

In the DOS prompt window, change to the corresponding directory for the PowerServer type under the installation package: **DNS** for .NET, **JBS** for JBoss, **JEUS** for JEUS, **WBL** for WebLogic, and **WBS** for WebSphere.

Then execute SilentInstall.bat with this command: SilentInstall.bat

Take .NET for example,

```
cd C:\setup\Apeon\DNS
SilentInstall.bat
```

To confirm that the PowerServer installation is successful, go to the Windows Start menu, and make sure the Apeon PowerServer 2017 | PowerServer for \* shortcut menu is created; and then go and check the log file under C:\Windows\System32\ApeonInstallLog (or C:\Windows\SysWOW64\ApeonInstallLog) to determine if any error occurred during installation. To confirm that the Apeon application installation is successful, go to the

Windows menu, and make sure the Apeon Web Application | *ApplicationName* shortcut menu is created, and you can click it to run the application successfully.

## 2.3 PowerServer Web Component Silent Installation

### 2.3.1 Configuring silent installation for PowerServer Web Component

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 **[WebComponent]** section; and then configure the following parameters for the silent installation of PowerServer Web Component.

**Table 2.6: Silent install settings**

Parameter	Usage
WebHome	Sets the installation location of PowerServer Web Component.
Upgrade6x	Sets whether to upgrade PowerServer Web Component whose version is lower than 2017, 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 PowerServer Web Component

Copy the silent installation package to the local machine.

In the DOS prompt window, change to the "AWL" folder under the installation package, and then execute SilentInstall.bat. For example,

```
cd C:\setup\Apeon\AWL
SilentInstall.bat
```

To confirm that the installation is successful, go to the Windows Start menu, and make sure the Apeon PowerServer 2017 | PowerServer Web Component shortcut menu is created; and then go and check this log file: C:\Windows\System32\ApeonInstallLog\ApeonWebSilent2017.txt (or C:\Windows\SysWOW64\ApeonInstallLog\ApeonWebSilent2017.txt) to determine if any error occurred during installation.

## 2.4 PowerServer Help Silent Installation

### 2.4.1 Configuring silent installation for PowerServer Help

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 **[help]** section; and then configure the following parameters for the silent installation of PowerServer Help.

**Table 2.7: Silent install settings**

Parameter	Usage
HelpHome	Sets the installation location of PowerServer Help.
Upgrade6x	Sets whether to upgrade PowerServer Help whose version is lower than 2017, such as 6.5, 6.6, 2013, 2013 R2, and 2015.

Parameter	Usage
	The value can be <i>true</i> or <i>false</i> .

## 2.4.2 Running silent installation for PowerServer Help

Copy the silent installation package to the local machine.

In the DOS prompt window, change to the "Help" folder under the installation package, and then execute SilentInstall.bat. For example,

```
cd C:\setup\Appeon\Help  
SilentInstall.bat
```

To confirm that the installation is successful, go to the Windows Start menu, and make sure the Appeon PowerServer 2017 | PowerServer Help shortcut menu is created; and then go and check this log file: C:\Windows\System32\AppeonInstallLog\AppeonHelpSilent2017.txt (or C:\Windows\SysWOW64\AppeonInstallLog\AppeonHelpSilent2017.txt) to determine if any error occurred during installation.

# Index

## C

Configuring silent installation for PowerServer, [3](#)

Configuring silent installation for PowerServer Help, [9](#)

Configuring silent installation for PowerServer Web Component, [9](#)

## P

PowerServer Help Silent Installation, [9](#)

PowerServer Silent Installation, [3](#)

PowerServer Web Component Silent Installation, [9](#)

## R

Running silent installation for PowerServer, [8](#)

Running silent installation for PowerServer Help, [10](#)

Running silent installation for PowerServer Web Component, [9](#)

## S

silent installation, [3](#)