

New Features Guide

Appeon® for PowerBuilder® 2013
FOR WINDOWS & UNIX & LINUX

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1 About This Book

1.1 Audience

This book introduces new features added in Appeon Web 6.6 and Appeon Mobile 1.0.

1.2 How to use this book

There are three chapters in this book.

Chapter 1: About This Book

A general description of this book.

Chapter 2: What's New in Appeon Web 6.6

Describes new features added in Appeon Web 6.6.

Chapter 3: What's New in Appeon Mobile 1.0

Describes new features added in Appeon Mobile 1.0.

1.3 Related documents

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

- **Introduction to Appeon:**
Guides you through all the documents included in Appeon for PowerBuilder.
- **New Features Guide:**
Introduces new features and changes in Appeon for PowerBuilder.
- **Appeon Mobile Tutorials:**
Gives instructions on deploying, running, and debugging Appeon applications, distributing native mobile apps, and configuring Appeon server clusters.
- **Appeon Installation Guide:**
Provides instructions on how to install Appeon for PowerBuilder successfully.
- **Development Guidelines for Appeon Mobile:**
Introduces general guidelines on developing apps with Appeon Mobile.
- **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 the user through the entire process of deploying a small PowerBuilder application to the Web.
- **Features Help for Appeon:**

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 issues, such as unsupported features, etc., encountered when using Appeon for PowerBuilder.
- **Appeon Workspace User Guide:**
Gives a general introduction on Appeon Workspace and provides detailed instructions on how to use the app.
- **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 Appeon deployed applications.
- **Web Server Configuration Guide:**
Describes configuration instructions for Web Servers to work with a single Appeon Server or an Appeon Server cluster.
- **Troubleshooting:**
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 What's new in Appeon Web 6.6

2.1 PowerBuilder Features

- Supports the BackColor property of the PictureButton control.
- Supports the Identity database parameter.
- Supports the SaveObject event of the OLE control.
- Supports the HSplitScroll property of DataWindow.
- Supports the PNG image type.

2.2 Appeon Developer

- Appeon Web Debugger compatible with Internet Explorer 9 and 10

2.3 Appeon Server

- Supports Cloud Computing: Amazon, Azure, Rackspace.
- Supports SAP NetWeaver and WebSphere CE Java servers.
- Supports SAP HANA and MySQL database.
- Supports native driver for ASE database.
- Supports JDK 1.7.
- Supports IE 10 & Windows 8.
- Supports QTP Automated Testing.
- Restructures and updates AEM UI.

2.4 Appeon Server Web Component

An Appeon cluster configuration wizard is added so that users can easily walk through all the required steps for installing and configuring the cluster plug-in on an IIS web site.

3 What's new in Appeon Mobile 1.0

3.1 Platform features

Refer to *Installation Requirements* in the *Installation Guide for Appeon Mobile* for details on system requirements. The following highlights the key system requirements for Appeon Mobile 1.0:

3.1.1 Client requirements

- Apple iOS 5.1 or 6.1
- Apple iPad 2, iPad 3, iPad 4, iPad mini, iPhone 4, iPhone 4S, iPhone 5, iPod touch 4, or iPod touch 5

3.1.2 Appeon Development requirements

- SAP PowerBuilder 9.x, 10.x, 11.x, or 12.x

3.1.3 Appeon Server requirements for J2EE

- 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
- Any of the following Java Application Servers:
 - JBoss 5.1.0.GA, 7.0.2.Final or 7.1
 - IBM WebSphere Community Edition 3.0
 - IBM WebSphere Application Server 6.1, 7.0, or 8.0
 - Oracle WebLogic Server 8.1.6, 9.2, 10.3, or 11g
 - SAP NetWeaver 7.3
 - SAP Sybase EAServer 6.3
 - TmaxSoft JEUS 6.0 fix #5
- Sun Java 2 JDK 1.6 or above

3.1.4 Appeon Server requirements for .NET

- 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
- Microsoft IIS 6.0, 7.0, 7.5 or 8.0

- Microsoft .NET Framework 4.0

3.1.5 Web Server requirements

- (For Java Platform) Apache 1.3, 2.0, or 2.2, Microsoft IIS 6.0, 7.0, 7.5, or 8.0, Sybase EAServer 6.3, IBM WebSphere Server 6.1, 7.0, or 8.0, IBM WebSphere Community Edition 3.0, Oracle WebLogic Server 8.1.6, 9.2, 10.3, or 11g, TmaxSoft JEUS server 6.0 fix #5, or JBoss 5.1.0.GA, 7.0.2.Final or 7.1
- (For .NET Platform) Microsoft IIS 6.0, 7.0, 7.5 or 8.0

3.1.6 Database server requirements

Table 3.1: Database server requirements

Database	.NET/Java Support	Driver
IBM DB2 8.2/9.5/10	Java only	IBM JDBC Driver
Informix 7 - 11	.NET	IBM Informix .NET Provider
	Java	IBM JDBC Driver
Microsoft SQL Server 2000 - 2008/2012	.NET	MS SQL Server Native Driver
	Java	MSFT JDBC Driver or JTDS driver
MySQL 5.5	.NET	ADO.Net Data Provider driver
	Java	Connector/J driver
Oracle 8i - 11g	.NET	Oracle Native Driver
	Java	Oracle JDBC Driver
SAP HANA 1.0	.NET	ODBC Driver
	Java	JDBC Driver
SAP Sybase SQL Anywhere 8 - 12	.NET	ODBC Driver
	Java	Sybase iAnywhere or jConnect JDBC Driver
SAP Sybase SQL Anywhere 11.0/12.0	.NET only	SQL Anywhere .NET Data Provider
SAP Sybase SQL Anywhere WEB Edition	Java only	Sybase iAnywhere or jConnect JDBC Driver
SAP Sybase Adaptive Server Enterprise (ASE) 12.x/15.x	.NET	ODBC Driver
	Java	Sybase iAnywhere or jConnect JDBC Driver
SAP Sybase IQ 12.x/15	Java only	jConnect JDBC Driver
Teradata 13	.NET	Teradata .NET Data Provider driver

Database	.NET/Java Support	Driver
	Java	Teradata JDBC Driver

3.2 PowerBuilder Features

Appeon Mobile 1.0 is based on almost the same feature-set of Appeon 6.6, with slight difference, for example, RichText and Windows OS related features (e.g. OLE/OCX/DLL, registry functions, etc.) are not supported by Appeon Mobile 1.0. Please refer to the *Features Help for Appeon Mobile* for a complete list of supported and unsupported features.

3.3 Mobile API

The following iOS APIs are added to the Appeon Workaround PBL and can be used by the Appeon Mobile applications to take advantages of the mobile device specific features when running on iOS.

Table 3.2: iOS APIs

Type	Object	Description
Appeon Workspace	eon_mobile_awsex	Manipulates the various features of Appeon Workspace, such as the Appeon Workspace orientation, the assistive touch bar, the log, email sending, etc.
Barcode	eon_mobile_barcodeex	Creates or reads the information of a barcode.
Camera	eon_mobile_cameraex	Captures or selects a photo or video using the device's camera.
Connection	eon_mobile_connectionex	Obtains the network state and connection type.
Device	eon_mobile_deviceex	Obtains the device specific information, such as the device type, the device DPI/PPI, the OS version, the device's memory, the device's OS, the screen resolution, etc. and obtains and sets the visibility state of the iOS system status bar.
Geolocation	eon_mobile_geolocationex	Gets the current position and opens the geolocation functionality.
Media	eon_mobile_mediaex	Plays a media file using the device's media player.

Type	Object	Description
Notification	eon_mobile_notificationex	Sends and removes a notification to/from the notification bar.
Text checker	eon_mobile_textcheckerex	Checks spellings in a text field.

For details, refer to the *Workarounds & API Guide*.

3.4 Appeon Workspace

Appeon Workspace is a new product component added to Appeon Mobile 1.0. It is a native iOS application that can be installed from the Apple App Store, and that helps simplify the distribution and running of the Appeon mobile applications. It contains the following features:

- Adds and run the mobile apps
- Sets the default app
- Generates, clears, and sends logs
- Supports UI display in multi-languages
- Supports customizing and creating your own Appeon Workspace
- Limits access to particular app(s) to authenticated users only
- Supports SSL peer & host verification
- Closes all running apps at one time
- Supports landscape and portrait view

For details, refer to the *Appeon Workspace User Guide*. For how to customize Appeon Workspace such as the name, the configuration etc. to suit your needs, refer to the *Packaging applications* chapter in the *Appeon Developer User Guide*.

3.5 Appeon Developer

Appeon Developer for Appeon Mobile 1.0 contains all of the existing features of Appeon Developer for Appeon Web 6.6, and the following additional features:

- Supports native mobile app deployment to iOS (iPad & iPhone)
- Appeon Workspace Emulator: supports running apps in emulator of Appeon Workspace for both iPad and iPhone devices.
- Code Insight: accurately displays unsupported/supported features when writing dot notation in the script editor.

- **Feature Analyzer:** produces a report that accurately lists unsupported keywords found in the application.
- **Config Wizard:** a wizard that walks you through all the steps of configuring your mobile project.
- **Native mobile app packaging tool:** allows users to package the mobile application as a standalone application that can be built into an IPA file using the Apple Xcode tool.
- **Appeon Workspace customization and packaging tool:** allows users to customize the Appeon Workspace and package it as a standalone application that can be built into an IPA file using the Apple Xcode tool.
- **PBT/PBL list auto check:** automatically detects if new PBLs have been added to the PBT and updated the PBL list.
- **Configure tool enhancements:** adds new options such as device type, app display name, and new PBT display style.

For details, please refer to the *Appeon Developer User Guide*.

3.6 Appeon Server

Appeon Server for Appeon Mobile 1.0 contains all of the existing features and new features of Appeon Server for Appeon Web 6.6, such as the application server support, database server support, cloud server support etc.

In addition, Appeon Server AEM contains the following new features for Appeon Mobile 1.0:

- **Retina display:** option to enable/disable Retina support on iOS devices. When enabled, the UI including controls, text, and images, will not be scaled. As a result, the application will look very crisp at the expense of higher memory.
- **Client log:** configures the client-side log settings, including log mode and file size limit.
- **Window resizing:** defines rules for automatically resizing the mobile application UI to fit various screen sizes and orientations (portrait or landscape) or uses Appeon's default rules.

For details, please refer to the *Server Configuration Guide*.

3.7 Appeon Demos

Appeon Mobile 1.0 contains the following demo applications that are specially designed for the iOS device:

- Sales App Demo
- Code Examples Demo
- ACF Demo

- SAPTechEd2012 Demo
- YouHoops
- Order Demo (iPhone only)

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