APPEON®

New Features
2019

PowerServer

Web-Specific Enhancements

JSON Data Generator & Parser

Both the JSONGenerator & JSONParser native PowerBuilder objects are also supported in PowerServer Web. Web apps can leverage PowerBuilder's high-performance JSON engine to handle complex data exchange between the DataWindow and web services.

RESTful Web Services

Both the HTTPClient & RESTClient native PowerBuilder objects are supported in PowerServer Web. Web apps can directly perform CRUD operations against REST Web APIs by using the HTTPClient. DataWindow reports can retrieve data from REST Web APIs by using the RESTClient and writing just a few lines of code.

Mobile-Specific Enhancements

Network State Detection

A new function, of_networktest, is added to calculate the elapsed time for client calls to the server over the network, which can help the developer to determine whether to perform heavy data processing.

64-bit Mobile Apps

Developers can generate mobile apps that run in 64-bit mode on Android and iOS. Previously, 64-bit mode was only supported for iOS.

Mobile Device Management

The GetAllSessions API is enhanced to also return the mobile user ID, which gives developers the flexibility to better manage each mobile device.

Application Management Enhancements

✓ A new field has been added to Data Source management panel of the Appeon Enterprise Manager (AEM) for the .NET platform. The usage of the data source and changes can be logged during creation or modification.

✓ A new field has been added to the Active Session management panel of the AEM for the .NET and Java platforms. This field helps you to understand what data sources are used in each session.

Software Environment Compatibility

Microsoft SQL Server 2017

PowerServer is compatible with the latest Microsoft SQL Server 2017 database.

Web Browser Upgrade

Web apps are compatible with the latest version of all leading Web browsers from Microsoft Edge (27 thru 40), Microsoft Internet Explorer 11, Mozilla Firefox (50 thru 63), Google Chrome (50 thru 70), and Opera (45 thru 56) on Windows.

Google Android 8.x and 9.x

Mobile apps are compatible with Android 8.x and 9.x. The certified Android devices include recent Samsung phones & tablets, Google Nexus, and Google Pixel.

Apple iOS 12

Mobile apps are compatible with iOS 12. The certified iOS devices include iPad Mini/Air, iPad Pro 12.9-inch, or iPhone 7/8/X/Xs/Xs Max/XR.

Xcode 9 and 10

iOS app packages are compatible with Xcode 9 and 10.