

# webMethods Mobile Development 9.7 Readme

## October 2014

This file contains important information you must read before using webMethods Mobile Development 9.7. You can find webMethods Mobile Development 9.7 user documentation on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find the suite-related information listed below.

*webMethods Product Suite Release Notes*

*webMethods and Intelligent Business Operations System Requirements*

*webMethods System Cache Specifications*

*Using the Software AG Installer*

*Installing webMethods and Intelligent Business Operations Products*

*Using the Software AG Update Manager (fixes)*

*Upgrading webMethods and Intelligent Business Operations Products*

Security and globalization information

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## 1.0 Critical Information

This section lists the critical issues for the current release that were known when this readme was published. For critical information found later, go to the Knowledge Center on the [Empower website](#).

None.

## 2.0 Known Issues

This section lists issues that were known for the current release when this readme was published. For known issues found later, go to the Knowledge Center on the [Empower website](#).

- **WWG-665**  
AbstractRestOperation uses the wrong Authorization header.  
The AbstractRestOperation class that Mobile Development generates does not set the Authorization header correctly.  
You can use one of the following workarounds:
  - 1) Locate the `Base64.encode(passwordToken.getBytes())` statement in `AbstractRestOperation.java` in the generated sources, and replace it with `new String(Base64.encode(passwordToken.getBytes()))`. You must apply this workaround after each code generation.
  - 2) Create a subclass of your generated Java class that represents the REST method and overwrite protected void `applyCredentials() {}` according to your needs. You only need to implement this workaround once. However, you cannot use this second workaround in combination with Content Providers.
- **WWG-666**  
The SyncClient does not set the connection protocol (HTTP/HTTPS) for webMethods Mobile Support 9.7.  
As a workaround, create a new instance of `ISyncClientListener` and assign it to your `SyncClient` using `SyncClient#addListener(ISyncClientListener)`. Overwrite the `onStart(SyncClient)` method and assign the connection protocol by invoking `Context.getContext().setConnectionProtocol(SyncParamConstants.CONNECTION_HTTP/S)`.  
You only need to implement this workaround once. The workaround is independent from the code generation.
- **WWG-668**  
Generated code is missing an import for `DatasourceException`.  
Import for `DatasourceException` is not generated if a `ListView` or `ListViewElement` object contains a `DynamicDatasource`. This causes compilation errors in the generated code.  
As a workaround, locate the generated Java class with the missing import statement and add the import statement `com.softwareag.mobile.runtime.toolkit.rest DatasourceException`.  
You must apply this workaround after each code generation.
- **WWG-693**  
Cannot open the application model after completing the Mobile Task Inbox wizard.  
After generating a mobile application project using the Mobile Task Inbox wizard, the system automatically opens the application model in Software AG Designer. However, the first opening of the model fails, and Software AG Designer displays an error message instead of the model.  
As a workaround, close the application model after completing the Mobile Task Inbox wizard and reopen it. The model opens successfully after closing it once.

### 3.0 Usage Notes

This section provides additional information you need to work with the current release of webMethods Mobile Development.

None.

### 4.0 Fixes Included in Each Release

This section lists the fixes that have been included in each release. Go to the Knowledge Center on the [Empower website](#) for detailed information about fixes.

#### ***Release 9.7***

None.

#### ***Release 9.6***

None.

### 5.0 Other Resolved Issues

This section lists the issues that were resolved in each release but were not part of the fixes listed in the previous section.

#### ***Release 9.7***

- WWG-497  
The header for a ListView object is removed after reloading data.  
The Mobile Development code generation was updated so that the ListView header is not removed after reloading data.
- WWG-569  
Issues with initializing data sources.  
AbstractViewController implementations did not correctly initialize data sources.  
The Mobile Development code generation was updated so that it now correctly initializes data sources.
- WWG-633  
Issues with generation of data sources that Views provide.  
AbstractViewController implementations did not correctly initialize data sources.  
The Mobile Development code generation was updated so that it now correctly initializes data sources.

- WWG-634  
Value for the Expression property incorrectly validated.  
Mobile Development was updated so that it now correctly validates Expression properties.

## **Release 9.6**

None.

## **6.0 Documentation Changes**

This section describes significant changes to the documentation in each release, such as the addition, relocation, or removal of product guides, online help, chapters, or other major content.

### **Release 9.7**

None.

### **Release 9.6**

None.

## **7.0 Terminology Changes**

### **Release 9.7**

None.

### **Release 9.6**

None.

## **8.0 Added, Removed, Deprecated, or Changed Items**

This section lists features, functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed.

### **Release 9.7**

Added Item	Description
Palette for drag and drop application development	Added drag and drop capabilities to the Outline Editor. You can now create the application model by dragging and dropping controls, components, and predefined templates from a Palette onto the application model displayed in the Outline Editor.

Added Item	Description
Palette wizards	New Palette in the Outline Editor includes wizards that the system displays when you drop Palette items onto the model in the Outline Editor.
Toolbar buttons to execute common webMethods Mobile Designer tasks	Added buttons to the header of the Outline Editor to execute many of the webMethods Mobile Designer Ant targets.
Preferences dialog for webMethods Mobile Support client library	Added a preference dialog that you can use to configure the location of the webMethods Mobile Support client library.
Application Context Persistent mode	Added a "Persistent" mode for Application Contexts to the Application Markup Language (AML). When the "Persistent" mode is set to "Permanent", the data in the Application Context is stored into a RecordStore and then automatically restored on the next start of the application.
Application properties	Added support to the application element in the Application Markup Language (AML) that allows you to enable and disable many properties of the application: Camera, Location, PIM, Sensors, WMA and Push Notifications.
Data sources	Added global data sources that are available across multiple views, for example, to implement ListView objects with its detail views.
Data bindings	Added support for data bindings with TextField and Image objects in all views (in addition to current support in TemplateReference within ListView objects). Data sources can be referenced from global data sources.
Data transformations	Added data transformations for data bindings, enabling users to implement transformations from one data type to another data type.
Swipe listener	Added support for Swipe Listeners in Views.
Image highlight states	<p>Added support for listeners for highlight state.</p> <p>The listener is automatically created internally if you specify a name for an image for the highlight state. The listener catches gain and lose focus events. Use this capability to exchange the image on touches to get an image button-like feature.</p>

Added Item	Description
Shared session and REST authentication	New implementation of Session to manage authentication and cookies for REST services.
OPL / TaskClient support	Automatically add TaskClient services to applications. The created resources use TaskEngine RESTful web services.
SyncComponent (offline data synchronization integration of webMethods Mobile Support)	Added support to configure the SyncComponent by using the application model and provide a continuous connection to a specific Integration Server. The SyncComponent will synchronize local and remote data after a configurable update interval and is implemented on top of the webMethods Mobile Support package.
Web service integration	Code generation for WSDLs now works with the webMethods Mobile Designer integration code generator (similar to wscompile).

Removed Item	Replacement
None.	

Deprecated Item	Replacement
None.	

Changed Item	Description
None.	

### ***Release 9.6***

None.

## **9.0 Added, Removed, Deprecated, or Changed Built-In Services**

### ***Release 9.7***

None.

## ***Release 9.6***

None.

## **10.0 Added, Removed, Deprecated, or Changed Parameters**

### ***Release 9.7***

None.

### ***Release 9.6***

None.

## **11.0 Added, Removed, Deprecated, or Changed APIs**

### ***Release 9.7***

<b>Added API</b>	<b>Description</b>
New AML Factory for Services	The AML Factory was extended to support the programmatic creation of REST services. This also includes the description of standard Task Client services.
New OSGi Service as wscompile replacement	The Service IWSDLStubGenerator was added to generate Java source code based from a WSDL file. Other products or clients can use this service.
New IOperation hierarchy (generated source code)	The Operation structure known from webMethods Mobile Development 9.6 was redesigned to match naming conventions and enable clients to create their own, thread-safe operations.

<b>Removed API</b>	<b>Replacement</b>
None.	

<b>Deprecated API</b>	<b>Replacement</b>
None.	

<b>Changed API</b>	<b>Description</b>
None.	

## **Release 9.6**

None.

## **12.0 Copyright Information**

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## **13.0 Support**

Visit the [Empower website](#) to learn about support policies and critical alerts, read technical articles and papers, download products and fixes, submit feature/enhancement requests, and more.

Visit the [TECHcommunity website](#) to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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