

webMethods Mobile Designer 9.7 Readme

October 2014

This file contains important information you must read before using webMethods Mobile Designer 9.7. You can find webMethods Mobile Designer 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](#).

- WWW-1000
Delay in the response to a swipe action on Windows RT.
Swipe gestures on Windows RT can have a large delay. The delay causes the user interface updates to appear sluggish.
There is currently no workaround for this issue.
- WWW-740
A `nUIWebView` object can overlay the app bar on Windows 8/Windows Phone 8.
When an application running on Windows 8 or Windows Phone 8 displays a `nUIWebView` object, if a user manually opened the app bar, the `nUIWebView` object can overlay the app bar.
There is currently no workaround for this issue.
- WWW-915
Unable to disable scrolling of `nUIContainerElement` objects.
When an application invokes the `setVscrollable(false)` method to disable scrolling, scrolling remains enabled in `nUIContainerElement` objects.
There is currently no workaround for this issue.

3.0 Usage Notes

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

- Mobile Designer now supports creating applications to run on the Windows 8 platform. Windows 8 support was added to the existing Windows RT platform support.
- Mobile Designer no longer supports creating applications to run on the Bada, webOS, and Windows Mobile platforms.

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

- WWW-824
NullPointerException occurs when using inner classes.
When the constructor of an inner class is called, the application might throw a NullPointerException.
The cross-compiler has been updated to resolve this issue.
- WWW-879
Background highlighting of elements is not being reset on iOS 7.
If a user touches a list view element while scrolling, the application changes the background color of the element to highlight it. However, when the application is running on iOS 7 and the user releases the touch on the element, the background color remains highlighted rather than resetting to its original color.
The iOS Native UI library was updated so that the background color is correctly reset.
- WWW-883
Incorrect XML parsing of XML data that contains brackets.
Mobile Designer could not parse XML data if the data inside a CDATA section contained ']' or ']]' at the end of the data.
The XML parsing library has been updated to resolve this issue.

- WWW-916

On Android, the user interface displays incorrectly when rotating the device while using the camera.

When running an application on Android, if the device is rotated while using the camera, after closing the camera, the user interface does not display in the correct orientation. For example, the user interface might display in portrait mode while the device is in landscape mode.

The Android Native UI library was updated to correct the orientation issue.
- WWW-925

Issue with C# code generation can result in missing variables.

C# code that Mobile Designer generates with its cross-compiler can be missing variables in case statements. As a result, the compilation fails.

The cross-compiler has been updated to include correct variables in case statements.
- WWW-942

Class.forName() and Class.newInstance() methods process unmangled names incorrectly.

Using reserved C# keywords in package or class names causes inconsistent behavior in the Class.forName and Class.newInstance methods due to name mangling.

The runtime has been updated to handle name mangling consistently.
- WWW-965

When using the nUIImageElement on Android, EVT_TRIGGER events are not sent.

To make a nUIImageElement object behave like a button so that it generates EVT_TRIGGER events, the application invokes setTriggerable(true) when creating the image. However, when an image created in this manner is running on Android, no EVT_TRIGGER events are sent.

The Android Native UI library was updated so that is now correctly sends EVT_TRIGGER events.
- WWW-997

Camera snapshot does not work on Windows Phone 8 and Windows RT 8.1.

When running the NativeUI sample, the camera functionality was not working on Windows Phone 8 and Windows RT 8.1.

The Native UI library was updated to improve camera capture.

Release 9.6

- WWW-596

On Windows Phone 8, concatenation issue caused integers to be interpreted as chars.

Integers used in String concatenations under Windows Phone 8 were being interpreted as chars.

The system has been updated to recognize this type of primitive typecasting issue and to make corrections as needed.
- WWW-606

On iOS, the height value for a dialog header is zero.

When running an application on iOS, the Native UI DialogWindows were reporting that their header height values are zero.

The iOS Native UI library was updated to report the correct value.

- WWW-608

On iOS, users cannot dismiss a dropdown list spinner in a dialog due to a missing Cancel button. When running an application on iOS, if a Native UI DialogWindow contained a drop down list (an `nUIDropdownlistEntry`), the user could open the drop down list to make a selection. However, a Cancel button was not added to the dialog's header. As a result, the user could not dismiss the drop down list spinner.

The iOS Native UI library was updated to resolve this issue.
- WWW-642

On Windows Phone 8, pressing the Back button does not terminate the application. When a user pressed the Back button a single time at root level, the application did not terminate as expected.

The Windows Phone 8 Native UI library was updated to support this behavior.
- WWW-668

On Windows Phone 8, `NullPointerException` is thrown in the `HttpConnectionHandler` class. `HttpConnection.getRequest` was sometimes returning `NULL` when executed on Windows Phone 8. The Windows Phone 8 MIDP library was updated to resolve this issue.
- WWW-686

On Windows Phone 8, users can interact with the screen under a dialog. When a dialog was created in an application running on Windows Phone 8, when a dialog was displayed over a screen, the user could still interact with the screen under the dialog.

The Windows Phone 8 Native UI library was updated so that any touches to the screen below a dialog do nothing.
- WWW-722

On Windows Phone 8, the `nUIDropdownlistEntry` object does not trigger an `EVT_POST_EDIT` event.

When a user selects an item from a `nUIDropdownlistEntry` object in an application running on Windows Phone 8, an `EVT_POST_EDIT` event is not triggered.

The Windows Phone 8 Native UI library was updated to resolve this issue.
- WWW-724

On iOS, the `java.util.Vector` class is not thread safe.

The `Vector.addElement` was not thread safe in C++ based platforms.

The iOS CLDC library was updated to resolve this issue.
- WWW-738

On Windows 8/Windows Phone 8, Native UI web view objects have casting issues. The `nUIWebView` and `nUIWebViewElement` objects were missing typecast information so that the objects can be typecast to a parent type of class.

The Windows Phone 8 Native UI library was updated to resolve this issue.

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

Old Term	New Term
Windows RT	Windows 8/RT

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
Added project properties and parameters	
ios.use.root.view.controller project property	Specifies whether the application uses the iOS rootViewController property. This property is supported for the iOS platform.
Project.handset.push.notifications project property	Specifies whether the application receives push notifications. This property is supported for the Android, BlackBerry, and iOS platforms.

Added Item	Description
Project.handset.uses.WebServices project property	Specifies whether an application requires the Web Service API library.
Project.make.simultaneous.jobs project property	Specifies the number of make jobs that you want Mobile Designer to run simultaneously.
Winrt.application.identity.string project property	Specifies the value Mobile Designer sets for the Identity Name field inside the Package.appxmanifest file, which Mobile Designer generates during the build process. This property is supported for the Windows 8 and Windows RT platforms.

Added System.getProperty properties

mobiledesigner.display.scaling.percent	Use this System.getProperty() property to obtain a percentage value that you can use to determine the physical size of a screen. This property is supported for the Windows 8, Windows RT, Windows Phone 7, and Windows Phone 8 platforms.
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Removed Item	Replacement
Removed project properties and parameters	
bada.sdk.root	No replacement. This property was removed when support for the Bada platform removed.
webos.pdk.lib.root webos.device.compiler.bin webos.package	No replacement. These properties were removed when support for the webOS platform removed.
winmobile.sdk.root winmobile.compiler.root winmobile.sdk.rc.dir winmobile.sdk.smartdevices.dir	No replacement. These properties were removed when support for the Windows Mobile platform removed.
Removed project properties and parameters	
project.handset.terminateonorientationchange project.handset.minimum.sleep.time.ms project.handset.keyboard.exclusivity	No replacement. These properties were removed when support for the Windows Mobile platform removed.

Deprecated Item

Replacement

None.

Changed Item

Description

None.

Release 9.6

Added Item

Description

Added sdk.properties file properties

mobiledesigner.javac.detection.mode

Defines the level of warning or error that the Mobile Designer issues if Mobile Designer cannot find an installed Java compiler.

Added project properties and parameters

mobilesupportclient.runtime.dir

Specifies whether to include the Mobile Support Client library in a mobile project. The methods in this library facilitate data synchronization between mobile devices and backend databases by initiating synchronization requests with webMethods Mobile Support.

ios.extra.frameworks

Specifies the path to one or more third-party frameworks that you want injected into the makefile and Xcode project files for iOS builds.

Added System.getProperty properties

mobiledesigner.online.availability and
mobiledesigner.domain.availability:<name>

Added support for two new run-time
System.getProperty() properties:

- mobiledesigner.online.availability to determine whether the device is connected to a network.
- mobiledesigner.domain.availability:<name> to determine whether the device can connect to the domain with the specified name.

Added sample projects

NativeUIDemoX

Added a new version of the NativeUI Demo. Like the current version, `_NativeUIDemo_`, this new version, `_NativeUIDemoX_`, demonstrates the use of the major Native UI classes. However, the new version, `_NativeUIDemoX_`, was created using webMethods Mobile Development

Removed Item	Replacement
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None.

Deprecated Item	Replacement
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None.

Changed Item	Description
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Changed project properties and parameters

project.runtime.statusbar.visible project property	This property now works for applications running on the Android platform, in addition to applications running on iOS.
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9.0 Added, Removed, Deprecated, or Changed APIs

Release 9.7

Added API	Description
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java.util.logging	Mobile Designer provides a java.util.logging API that is based on the Java Logging API standard. The java.util.logging package that Mobile Designer provides contains classes and interfaces that are based on the Connected Limited Device Configuration (CLDC) 8 standard.
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Removed API	Replacement
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None.

Deprecated API	Replacement
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None.

Changed API	Description
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None.

Release 9.6

Added API

Description

None.

Removed API

Replacement

None.

Deprecated API

Replacement

None.

Changed API

Description

nUITableButton
(com.softwareag.mobile.runtime.nui.nUITableButton)

Added the setBgcolorHighlightStyle method to determine whether to override the background cell colors in a TableButton when the TableButton is highlighted by a touch event.

nUIConstants
(com.softwareag.mobile.runtime.nui.nUIConstants)

Added the following constants:

- EVT_SWIPE_LEFT and EVT_SWIPE_RIGHT constants for left and right swipe detection events.
- EVT_COMPLETED_EDIT constant for detecting events triggered when users complete editing EntryElement objects. Editing is considered complete when the associated keyboard, pop-up, or spinner is collapsed or dismissed.

10.0 Copyright Information

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11.0 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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