

webMethods Mobile Designer 9.6 Readme

April 2014

This file contains important information you must read before using Mobile Designer 9.6. You can find additional information about Mobile Designer 9.6 on the [Software AG Documentation website](#). In addition, the following suite-related information is also available at that location:

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

Product Documentation

You can find the following information in the Products section of the [Empower website](#):

Security Information

Globalization Information

Contents

[1.0 Critical Information](#)

[2.0 Known Issues](#)

[3.0 Usage Notes](#)

[4.0 Fixes and Enhancements](#)

[4.1 Fixes and Service Packs Included in This Release](#)

[4.2 Resolved Issues](#)

[4.3 Enhancements](#)

[4.4 Documentation Changes](#)

[4.5 Terminology Changes](#)

[4.6 Added, Removed, Deprecated, or Changed Items](#)

[4.7 Added, Removed, Deprecated, or Changed APIs](#)

[5.0 Copyright Information](#)

[6.0 Support](#)

1.0 Critical Information

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

None.

2.0 Known Issues

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

- WWW-844

Mobile Designer is not installed correctly on a Macintosh computer that is running OSX Mavericks.

After using the Software AG Installer, you need to execute the Mobile Designer installer, MobileDesignerInstaller.pkg, to complete the Mobile Designer installation. The Mobile Designer installer requires that Ant be available to execute the Mobile Designer Updater tool, which downloads all Mobile Designer components. Because Ant has been removed in OSX Mavericks, when installing Mobile Designer on a Macintosh computer that uses OSX Mavericks, the Mobile Designer Updater tool might fail to run.

To install Mobile Designer on a Macintosh computer that uses OSX Mavericks, first install the command line version of Ant before you attempt to execute the Mobile Designer installer. If you want to provide Ant via a third-party package manager, you must restart your machine after installing Ant to ensure all environment variables are correctly set before attempting to install Mobile Designer.

In some cases, the installed Ant command line tool is available in /usr/local/bin/. This folder is not on the \$PATH at all points during the Mobile Designer installation, and, as a result, the Mobile Designer installer might complete without running the Updater tool. You can determine the location of the "ant" binary by issuing the "which ant" command in the terminal window.

If the Mobile Designer Updater tool fails to run, you can run it manually. To do so, open a terminal and type the following, where <Mobile_Designer_directory> is the directory where Mobile Designer is installed:

```
cd <Mobile_Designer_directory>/Tools/Updater  
ant -f install.xml
```

- PIE-31243

After installation, files in the Mobile Support client library folders are missing.

After installing the Mobile Support Client, Java files for the client library are not installed into the <Software AG_installation_directory>/MobileDesigner/MobileSupportClient folder.

The Mobile Support Client library Java files are available on the Empower website. To install the Mobile Support Client library Java files, do the following:

1. Delete the <Software AG_installation_directory>/MobileDesigner/MobileSupportClient folder that the Software AG Installer created.
2. Obtain the .zip file containing the Mobile Support Client library Java files from the Empower website at <https://empower.softwareag.com/Products/DownloadComponents/default.asp>. The .zip file is located in the Mobile Designer section under the MobileSupportClient component.
3. Extract the files from the .zip file you obtained from the Empower website into the <Software AG_installation_directory>/MobileDesigner folder.

- PIE-31300

Request headers passed from mobile applications that use the webMethods Mobile Support Client library are not compatible with webMethods Enterprise Gateway mobile application protection filters.

When a mobile application protection filter is defined for an Enterprise Gateway rule and a mobile application uses the Mobile Support Client to pass request headers through the gateway, the request will result in a rule violation with the following error message:

[ISS.0149.0005E] A rule violation occurred for Enterprise Gateway rule "{0}" for filter "{1}": The header "{2}" is not present in the request header.

There is currently no workaround for this issue.

3.0 Usage Notes

This section highlights product limitations and changes to product behavior introduced in this release.

- When using Native UI objects in an application's user interface, be aware that how Native UI objects determine whether they have focus has changed. For gain focus events, a Native UI object gains focus when a user first touches the object. For trigger events, a Native UI object is triggered when a user removes touch off a triggerable object (not when the object is first touched). For lose focus events, a Native UI object loses focus when a user moves touch off the object or onto another object.

4.0 Fixes and Enhancements

This section describes the fixes and enhancements included in Mobile Designer 9.6.

4.1 Fixes and Service Packs Included in This Release

This section lists the fixes and service packs for previous releases that have been included into the current release. If only some issues in a fix or service pack have been included, that partially included fix or service pack is not listed here, and those issues are listed separately in [Section 4.2 Resolved Issues](#). See the Knowledge Center section of the [Empower website](#) for more information about fixes and service packs.

None.

4.2 Resolved Issues

This section lists issues that were resolved in this release and that are not included in the fixes and service packs listed in [Section 4.1 Fixes and Service Packs Included in This Release](#). These issues might have been resolved in a fix or service pack that was not included in its entirety into this release, or they might have been resolved since the last fix or service pack was released.

- **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 `UIDropDownListEntry`), 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.

4.3 Enhancements

For a detailed list of the enhancements included in Mobile Designer 9.6, see the Release Notes available on the [Software AG Documentation website](#).

4.4 Documentation Changes

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

None.

4.5 Terminology Changes

This section lists terminology that has changed since the last full release of the product.

None.

4.6 Added, Removed, Deprecated, or Changed Items

This section lists product functionality that has been added, removed, deprecated, or changed since the last full release of the product. Deprecated Built-In services and APIs are listed in the relevant sections that follow this one.

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` project property

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:<domain_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:<domain_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 Item (if applicable)

None.

Deprecated Item

None.

Replacement Item (if applicable)

None.

Changed Item**Description****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.

4.7 Added, Removed, Deprecated, or Changed APIs

This section lists APIs that have been added, removed, deprecated, or changed since the last full release of the product.

Added API**Description**

None.

Removed API**Replacement API (if applicable)**

None.

None.

Deprecated API**Replacement API (if applicable)**

None.

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.

Changed API

nUIConstants

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

Description

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.

5.0 Copyright Information

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6.0 Support

To obtain support for webMethods Product Suite components, refer to the following resources:

[Empower website](#)

Visit the Empower website to learn about support policies and critical alerts, read technical articles and papers, download products, fixes, and service packs, submit feature/enhancement requests, and more.

[Software AG Developer Community for webMethods](#)

Visit the Software AG Developer Community to access additional articles, demos, and tutorials, technical information, samples, useful resources, online discussion forums, and more.

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