

# webMethods ApplinX 9.12 Readme

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This file contains important information you must read before using webMethods ApplinX 9.12. You can find system requirements, user documentation, and installation and upgrade instructions on the [Documentation website](#) or the [TECHcommunity website](#). At those locations, you can also find suite-related security and globalization information.

Included in this file is information about functionality that has been added, removed, deprecated, or changed for this product. Deprecated functionality continues to work and is supported by Software AG, but may be removed in a future release. Software AG recommends against using deprecated functionality in new projects.

|   |           |
|---|-----------|
| <b>1.0 Critical Information</b> .....                                     | <b>1</b>  |
| <b>2.0 Known Issues</b> .....   | <b>2</b>  |
| <b>3.0 Usage Notes</b> .....  | <b>4</b>  |
| <b>4.0 Fixes Included in Each Release</b> .....                           | <b>5</b>  |
| <b>5.0 Other Resolved Issues</b> .....                                    | <b>5</b>  |
| <b>6.0 Documentation Changes</b> .....                                    | <b>5</b>  |
| <b>7.0 Terminology Changes</b> .....                                      | <b>5</b>  |
| <b>8.0 Added, Removed, Deprecated, or Changed Items</b> .....             | <b>6</b>  |
| <b>9.0 Added, Removed, Deprecated, or Changed Built-In Services</b> ..... | <b>11</b> |
| <b>10.0 Added, Removed, Deprecated, or Changed Parameters</b> .....       | <b>11</b> |
| <b>11.0 Added, Removed, Deprecated, or Changed APIs</b> .....             | <b>11</b> |
| <b>12.0 Copyright Information</b> .....                                   | <b>12</b> |
| <b>13.0 Support</b> .....   | <b>12</b> |

## 1.0 Critical Information

This section lists any 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](#).

## 2.0 Known Issues

- APX-9278  
After upgrading ApplinX from 5.2, Web services were not redirected to the new WSS/Axis 2 endpoint.
- APX-6104  
Performance Monitoring: When using the Performance Monitor, all sessions are always traced and it is not possible to trace a specific session. The Framework Configuration Editor doesn't save the "Trace Specific Session" field contents and always reverts to "Trace all session" after saving.
- APX-8522  
In the Mapper, when linking a value from nested arrays, the mapped attribute does not have the parent array's source index. To map from nested arrays, use the "Value Of" expression that will provide a source index for each level.
- APX-9686  
When generating a JSP page from a screen group, the class name and the file name are not the same. In Java, the class name and file name have to be the same for the class to pass compilation.
- APX-8411  
In Hitachi, host key actions within Path Procedures do not work.
- APX-3605  
The ApplinX HTTP session in Eclipse's internal browser does not support popup windows.
- APX-7737  
When the ApplinX server is deployed on Tomcat as a J2EE application, when connecting to the server from within Eclipse, the message box which is displayed, indicating that changes made in the Designer are not saved, should not be displayed and is incorrect.
- APX-10853  
When pasting an expression from one procedure (Flow path etc.) to another, if there were references to other entities, the references are copied regardless whether the actual entities exist or not in the target location. No error or warning will appear when saving the procedure. It is the responsibility of the developer to check if the expression is valid or not, otherwise such a copy may result in failures at runtime.
- APX-5715  
Blinking fields in generated pages is currently not supported.
- APX-7238  
When using the hotfix distribution to install a hotfix, the ApplinX Designer is also upgraded. However the uninstall of the hotfix does not rollback the Designer to its previous version.
- APX-5288  
When canceling the installation in critical points (for example, while installing the ApplinX plug-in) the installation folder is left in an unusable form.

- APX-8014  
When attempting to download the same Natural Data Transfer file twice, the Save File dialog box is not opened.
- When a screen is identified as a window, the window title is not displayed in the Session View.
- When in a pop-up window, and you switch from application to application, when switching back to the pop-up window, the cursor is not focused on an input field.
- When upgrading a web application, if in the original web application, folders or files were removed, the upgrade process will fail.
- APX-5295  
In Fujitsu, the foreground color display is not as the user may expect.
- APX-4036  
Backward compatibility for macros: Due to changes in the framework infrastructure, macros from version 8.0 and below cannot be run and your users will have to record macros again.
- APX-5956  
ApplinX Web application blinking caret functionality is only supported in IE.
- To run ApplinX under webLogic Application server, you are required to follow these steps: Unpack the WAR file with the WebLogic JAR utility. To deploy the application, in the webLogic Administrator, set the upload directory name the Upload Directory Name attribute to the root directory of the exploded application (instead of the location of the WAR file).
- In Web applications, when users log out from the session, the HTTP session is not always released.
- When applying a Path procedure Screen Mapper node on a numeric multiple field, if there are some empty values, an exception error may occur. To avoid this from happening, change the multiple field type from numeric to alphanumeric.
- APX-8088  
When importing or exporting a screen group without its referring entities, the reference to the entities is not saved.
- The method setLoadAsWindow(true) in the GXChangeNextForm event doesn't work.
- APX-5312  
When using the Application Manager, on IIS7/IIS7.5, you need to configure the default application pool and ensure that the Managed Pipeline Mode is set to "Classic" (In the IIS manager, in the Application Pools node, edit the default application pool). When using the Application Manager on IIS7.5, you need to convert your application from a virtual directory to a web application (in the IIS manager, right-click on your application and select Convert to Application).
- In Procedures, when an output attribute is empty, the output element is not displayed in the console.

- APX-5009  
In right-to-left applications, the string in fields in Screen Group is reversed when there are two field mappings to the same place. This can be solved by using only single mappings.
- When working in Visual Studio 2010 with a console application, when adding a dll to the application, the selected target framework is by default .NET Framework 4 Client Profile and should be changed to .NET Framework 4 (Project Properties, Application tab, Target Framework).

## 3.0 Usage Notes

This section provides any additional information you need to work with the current release of this product.

### ***Third-party Products***

Some of the third-party products shipped with this version of ApplinX may contain security vulnerabilities. These third-party products are not updated when you apply a fix between releases, so you need to update the third-party products yourself as appropriate.

### ***Frameworks API***

- In order to work with the .NET Framework on 64-bit machines, enable 32-bit applications in the application pool.
- Keyboard mapping node in the Framework configuration editor has been moved to the Application properties in the ApplinX Designer. Configuring this via the framework is still possible, by directly editing the XML configuration file (gx\_keyboardMappings.xml).
- Visual Studio 2003 is no longer supported. You must first convert your ApplinX VS.NET project to VS 2008 (by opening it in VS 2008) in order to upgrade your ApplinX .NET project. It is recommended to convert from .NET project type "Web Project" to "Web Site", as from the current version ApplinX generates .NET Web pages based on the "Web Site" format and file structure.
- Serialization of the ApplinX API table class (GXTable) to XML is no longer supported (typically used when exporting tables to Excel). A new solution can be found in the Composite demo Web Application.
- In order to work with the .NET Framework on IIS 6 and above, configure the application pool.
- ApplinX Java API/JSP Framework must be run under Java 1.8 or higher.

### ***ApplinX Designer***

- ApplinX HTTP console is no longer available for testing web services. Web Services can be tested in any development environment which supports Web Services.

- Integrated Windows Authentication (formerly known as NT Authentication) is not supported in the Software AG Designer.
- Screen group generation from .NET is not available.

### ***Batch Files***

- Using a batch file to reload an application is no longer required and this functionality is supported by configuring the archive interval parameter in the ApplinX Server Properties.
- Using a batch file to manage databases is currently not supported.

## **4.0 Fixes Included in Each Release**

This section lists the latest fix level that has been included in each release for each product component. A release is listed in this section only if changes occurred in that release. Go to the Knowledge Center on the [Empower website](#) for detailed information about fixes.

## **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. A release is listed in this section only if changes occurred in that release.

## **6.0 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. A release is listed in this section only if changes occurred in that release.

### ***Release 9.8***

- Software AG documentation is no longer available on the Software AG installer. You can access all Software AG documentation on the [Documentation website](#).

## **7.0 Terminology Changes**

A release is listed in this section only if changes occurred in that release.

## Release 9.8

| Old Term             | New Term          |
|----------------------|-------------------|
| Read-only repository | Locked repository |

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

This section lists functionality, controls, portlets, properties, or other items that have been added, removed, deprecated, or changed. A release is listed in this section only if changes occurred in that release. Release 9.12

| Added Item                                | Description   |
|---|---|
| Start/stop connection pools from Designer | You can now start and stop connection pools from the context menu of a selected pool in the Software AG Designer. |
| Usability                                 | Usability has been enhanced throughout the product and a troubleshooting guide has been added.                    |

| Removed Item                       | Description  |
|------------------------------------|--|
| Automatically attempt to reconnect | The "Automatically attempt to reconnect" check box in the Host connectivity property panel is redundant. The same action can be preform using a connection pool. |

| Deprecated Item | Description   |
|-----------------|---|
| Print applet    | Applet technology will soon be deprecated or no longer supported in new browser versions. An alternative for host printing is provided using Java Web Start technology. |

## Release 9.10

| Added Item              | Description  |
|-------------------------|--|
| Platform Certifications | <p>ApplinX now supports the following:</p> <ul style="list-style-type: none"><li>• <b>Java 8</b><br/>The ApplinX code now compiles with Java 8, which means that customers can use Java 8 syntax in their ApplinX web applications.</li><li>• <b>Windows 10</b><br/>The Windows 10 platform is now supported.</li><li>• <b>Eclipse 4.5</b><br/>The ApplinX Designer Eclipse is now version 4.5.</li><li>• <b>Microsoft Edge</b><br/>Microsoft's Edge browser is now supported.</li></ul> |
| Updating to CentraSite  | <p>You can now update an ApplinX application to CentraSite; this updates the assets that were changed since last registration/update. (Functionality available with fix-in-hand after GA.)</p>   |

| Deprecated Item                    | Description   |
|------------------------------------|---|
| Automatically attempt to reconnect | <p>The feature <b>Automatically attempt to reconnect</b>, in the <b>Host Configuration &gt; Connectivity</b> options is deprecated and will be removed in the next version. We suggest you use ApplinX Connection Pool functionality instead. A connection pool allows you to reconnect a session based on the pool's policy.</p> |

| Deprecated Item    | Description   |
|--------------------|---|
| ActiveX technology | <p>Internet Explorer version 11 (which ApplinX currently supports) is the last IE version that can use Microsoft's ActiveX technology. At some point in the future this legacy technology will no longer be supported.</p> <p>For ApplinX, this will affect the following features:</p> <ul style="list-style-type: none"> <li>• Type Ahead</li> <li>• Natural Data Transfer using ActiveX: <ul style="list-style-type: none"> <li>○ silent download and upload</li> <li>○ downloading files to any folder on the client machine</li> <li>○ Activating a Natural Command</li> </ul> </li> <li>• Opening Multiple Web Sessions</li> </ul> <p>Note:<br/>Natural Data Transfer without the use of ActiveX will continue to be supported.</p> |

| Changed Item | Description   |
|--------------|---|
| Font Size    | <p>The following changes have been made to font size handling in this version:</p> <ul style="list-style-type: none"> <li>• Default font size for web application is 'Dynamic by resolution' instead of 13px.</li> <li>• In the fontSize combo box in the Configuration and Emulation windows, you can select font size from 10-24px (10, 12, 14, 16... 24px). See The HTML Emulation Toolbar.</li> <li>• In the fontSize combo box in the Emulation window, the new option 'Default' allows you to use the font size defined in Configuration. This is the default value in the Emulation window.</li> </ul> |
| Rebranding   | <p>ApplinX product and documentation have been updated to match the new Software AG look-and-feel.</p>  |

| Changed Item | Description  |
|--------------|--|
| DocType      | <p>Parameter <code>DocType</code> is no longer applicable for Framework Configuration - all pages now have the HTML5 doctype.</p> <p>However, the option was retained in the configuration window for reasons of backward compatibility. You can remove this obsolete option if you prefer: Update file <code>z_editConfig.htm</code> (.NET application) or <code>z_editConfig.jsp</code> (Java application) and remove the following code:</p> <pre>&lt;tr&gt;   &lt;td&gt;&lt;gx:gxcheckbox runat="server" id="appConfig_AddDocTypeToFrameset"     onclick="flipDisable('appConfig_DocTypeStr');"/&gt;&lt;/td&gt;   &lt;td&gt;&lt;a href="#" class="help1"     onclick="showHelp('framework/GXWebAppConfig.html#setAddDocTypeToFrameset(boolean)')"&gt;Set     doc type attribute:&lt;/a&gt;&lt;/td&gt;   &lt;td&gt;&lt;input runat="server" id="appConfig_DocTypeStr" size="50"/&gt;&lt;/td&gt; &lt;/tr&gt;</pre> |

## Release 9.9

| Added Item                       | Description  |
|----------------------------------|--|
| Comparing ApplinX applications   | With the function Compare Application you can compare two ApplinX applications, typically two versions of the same application. In terms of application lifecycle management, being able to compare two different versions means you can perform impact analysis before deploying a new application version. |
| Invoking a procedure, using REST | In addition to SOAP, ApplinX web services can now be invoked using REST. From the Procedure Group Entity Editor, select a procedure and choose the new option Copy REST URL to clipboard.  |
| Upgrade to Tomcat Server 8.0     | The ApplinX internal Tomcat server is now version 8.0.   |
| Enter key recognition            | A distinction is now made between the two Enter keys (on numeric keypad and the main keyboard). Applies only to the following browsers: Firefox 29 and above; Chrome; Internet Explorer 11.  |

| Changed Item                                 | Description  |
|--|--|
| Improved performance for large send sections | Performance for large send sections (for example Natural Data Transfer upload or the AS/400 save state feature) has been improved. |

| Changed Item                       | Description   |
|------------------------------------|---|
| Improved usability in flow mappers | Links now show source / target index expressions (if any exist). Double clicking anywhere on a link opens the link properties dialog (if the link can have properties). If a target index exists, "Append" is now off by default. |

## **Release 9.8**

| Added Item                             | Description   |
|--|---|
| Usability improvements                 | You no longer need to define a repository, because the application now uses an internal one instead.  |
| Session filtering                      | In the ApplinX Administrator you can now filter your sessions by Session ID, Application, Device Name, Duration, State, Connection Pool and Type.   |
| Mobile browser support                 | ApplinX now supports mobile browsers, for example the Safari Browser. The look and feel of the new ApplinX Web applications has been enhanced, in particular for applications specifically designed for easier use on mobile devices. |
| Property <code>isUsingactivex()</code> | When downloading Natural file, detects whether process is using ActiveX and changes the logic accordingly.  |

| Removed Item   | Replacement, if any   |
|--|---|
| Storing ApplinX entities in an external repository is no longer supported. | Use instead the recommended internal repository that is already provided. |

| Changed Item                                | Description |
|---|-------------|
| New look and feel for the web applications. |             |

## **Release 9.7**

| Deprecated Item   | Replacement, if any   |
|---|---|
| Storing ApplinX entities in an external repository will no longer be supported in a future version. | Use instead the recommended internal repository that is already provided. |

| Changed Item                          | Description  |
|---------------------------------------|--|
| The license key handling has changed. | The license key format from version 9.6 and earlier is no longer supported. If you are logged on to Empower you can request a new license key from Software AG Logistic Service Center (LSC) under <a href="#">Order Products/Licenses</a> . See <i>License Key Concept</i> in the ApplinX User Guide. |

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

A release is listed in this section only if changes occurred in that release.

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

A release is listed in this section only if changes occurred in that release.

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

A release is listed in this section only if changes occurred in that release.

### **Release 9.8**

| Added API                              | Description  |
|--|--|
| Property <code>isUsingactivex()</code> | When downloading Natural file, detects whether process is using ActiveX and changes the logic accordingly. |

### **Release 9.6**

| Added API                                     | Description  |
|---|--|
| <code>gx_getNdtDefaultDownloadFileName</code> | Use this user exit to manipulate/modify the name of a downloaded Natural file. |

## 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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