

# webMethods ApplinX 10.7 Readme

October 2019

This file contains important information you must read before using webMethods ApplinX 10.7. 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.

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## 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-12224  
After creating a web application (JSP): When changing the Framework log file location from the web configuration GUI, the log file is not created at the new location. A warning appears on the ApplinX server console.
- APX-12032  
When you type English characters in an RTL field, the auto-skip does not work.
- APX-11703  
In a Linux environment, when you try to import the GXAR file to the ApplinX server by copying and restarting the server, the import process fails.

## 3.0 Usage Notes

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

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

We do our best to avoid shipping third-party products with known security vulnerabilities. In spite of these efforts, some of the third-party products shipped with this version of ApplinX may contain security vulnerabilities that have yet to be announced or discovered. As these third-party products are not updated when you apply a fix between releases, 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.
- 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.

## **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 10.7***

- Natural Screen Tester  
The Software AG product Natural Screen Tester, including relevant documentation, has been incorporated in ApplinX.

## ***Release 10.5***

- High Availability  
New section on setting up your Environment for High Availability with Container Orchestration has been added.

## **7.0 Terminology Changes**

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

## 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 10.7**

Added Item	Description
Support of Natural-IO Protocol	Applinx support of the Natural-IO protocol enables you to create an SSL connection to a Natural UNIX host without the need of a third-party component.
New Host Key Pattern	The new pattern, <code>TWO_LINES</code> , is similar to the existing Natural patterns logic but is more customizable and allows you to change or add host keys and captions.
Automatic Load of Applinx Server deployed as WAR	When you deploy an Applinx Server as a Java Web Archive (WAR) in the application server, the web services defined in the application are now loaded automatically. (In earlier versions of Applinx these services were not available until the application was first accessed.)
Web Services Stack	The Web Services Stack is now always enabled. The option to disable WS-Stack is no longer provided. <ul style="list-style-type: none"><li data-bbox="808 1308 1455 1423">▪ If you are using a SOA-based license, both the procedure group and the administrative web services are deployed.</li><li data-bbox="808 1430 1455 1497">▪ If you are using a web-based license, only the administrative web services are deployed.</li></ul>
Natural Screen Tester	The Software AG product Natural Screen Tester has now been incorporated in Applinx.
Administration using batch commands	You can now perform various administration tasks from a command line using the tool <code>gxadminconsole.sh</code> (UNIX) or <code>gxadminconsole.bat</code> (Windows) in the Applinx utilities folder.

Added Item	Description
ApplinX REST API	You can now create and disconnect a session, and also get and update a screen using the ApplinX REST API.
Printing with BaseObject API	New classes in the ApplinX BaseObject API provides an additional means of activating a mainframe or AS/400 printer session.

Removed Item	Description
Deprecation of Solaris v.11.3	<p>The original provider of the operating system Solaris (Oracle) strongly recommends to upgrade from version 11.3 to 11.4 as of now. In order to provide for enough time for Software AG customers to react to the upgrade policy of Oracle for Solaris versions after v.11.3, production environments based on Software AG products of this October 2020 release will in general continue to work without the immediate need to upgrade. However, Software AG customer support will only handle issues for Software AG products that can be reproduced in a Solaris v.11.4 environment. All newer versions of Software AG products AFTER the October 2020 release will no longer work with Solaris v.11.3.</p> <p>Software AG therefore strongly recommends to address necessary migration steps timely..</p>
ActiveX support dropped	ActiveX technology is no longer supported by ApplinX. Features that relied on this technology have been reworked if necessary.

## **Release 10.5**

Added Item	Description
ApplinX Web Emulator as Part of the ApplinX Docker Image	The ApplinX docker image now contains an ApplinX web emulation. Here you can configure host connectivity and various application settings within the browser. In previous versions this was only possible using ApplinX Designer.

Added Item	Description
Better Correlation between the ApplinX session and the Natural Process (Natural UNIX)	It is now easier to track the ApplinX session ID for a NATAPX process within the Natural environment, and the Natural user used by an ApplinX session within the ApplinX Administrator.
Healthcheck in a Natural UNIX Docker environment	A utility is provided to check that all components (ApplinX server, ApplinX Natural daemon, Natural, Adabas) are functioning in a Docker environment.
Customized Startup of Natural UNIX Applications	When you start a Natural application in ApplinX you can now specify additional information using the CUSTOM argument.
Security Support under Natural UNIX	<p>Three security models are supported in a Natural for UNIX environment:</p> <ul style="list-style-type: none"> <li>▪ System</li> <li>▪ PAM. You can now configure PAM authentication (for LDAP/Kerberos integration) within the ApplinX Natural daemon.</li> <li>▪ Disabled. Authentication will not be performed by apxsrvd</li> </ul>
Copy Session ID	The ApplinX session ID is visible in the Administrator session view. You can copy this ID to your clipboard with CTRL+C, the context menu or by pressing the Copy icon.
New platform support	<ul style="list-style-type: none"> <li>▪ Visual Studio 2017</li> <li>▪ Designer plug-in environment based on Eclipse 4.11</li> <li>▪ Log4J version 2.x</li> </ul>

## **Release 10.4**

Added Item	Description
Font size enhancement	<p>You can now determine the font size to be used in the web application for each screen resolution. With class GXBasicContext.java (or GXBasicWebForm.cs in .NET application) you can add a method called getColumnMappingPerResoulution where you can create a map for font size per resolution and number of columns of the screen.</p>

## **Release 10.3**

<b>Added Item</b>	<b>Description</b>
Docker Support	You can build an ApplinX Docker image and run the Docker container using scripts provided with ApplinX.
Passing Natural parameters dynamically	You can specify different parameters at runtime (for example NATPARM) depending on the business rule you choose.
License Metering using Command Central	ApplinX now supports the license metering functionality provided by Command Central. License metering depends on license manifest files. Each license manifest file issued by Software AG contains all contracts for one location of your organization. If you received license manifest files from Software AG, you can generate or view a report of the current state of your landscape.



## **Release 10.2**

<b>Added Item</b>	<b>Description</b>
Sort Function for List of Field Mappings	You can sort the contents of a List of Field Mappings table by field name or by any other column. Click the header of the column by which you want to sort.
Single Sign-on under AS/400	ApplinX now supports Single Sign-on using a Kerberos ticket on the platform AS/400. A corresponding start-up response code is given.

## **Release 10.1**

<b>Added Item</b>	<b>Description</b>
Support of Windows Server 2016	ApplinX now supports the operating system Windows Server 2016. This includes support for the following: <ul style="list-style-type: none"><li>▪ IIS 10</li><li>▪ .NET Framework 4.6</li></ul>
Visual Studio version 2015	ApplinX now supports Microsoft Visual Studio version 2015. Older version 2008/2020 are no longer supported.

<b>Removed Item</b>	<b>Description</b>
Visual Studio Version 2008/2010	These Visual Studio versions are no longer supported. ApplinX currently supports versions 2012/2015.

## **Release 10.0**

<b>Added Item</b>	<b>Description</b>
Exclude connection information sets when importing applications	A new option is provided in the Import Entities wizard. This enables better transition from development to test and production environments.
Enhanced Search Options in Software AG Designer	You can now search for the following components of each entity: screens and screen groups; session data and date structure; path and flow procedures.
Visual Studio Version 2012/2015	Support added for these Visual Studio versions. Older versions 2008/2010 are still supported with this version but are deprecated.
Template handling	Template handling when creating an ApplinX Web application has been streamlined.

<b>Removed Item</b>	<b>Description</b>
Templates	Obsolete templates are no longer provided.

<b>Deprecated Item</b>	<b>Description</b>
Visual Studio Version 2008/2010	Support for these Visual Studio versions will be dropped in the next ApplinX version. ApplinX currently supports versions 2012/2015.

## **Release 9.12**

<b>Added Item</b>	<b>Description</b>
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.

<b>Removed Item</b>	<b>Description</b>
Automatically attempt to reconnect	The "Automatically attempt to reconnect" check box in the Host connectivity property panel is redundant. The same action can be performed 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> 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> The Windows 10 platform is now supported.</li> <li>▪ <b>Eclipse 4.5</b> The ApplinX Designer Eclipse is now version 4.5.</li> <li>▪ <b>Microsoft Edge</b> 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	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.

Deprecated Item	Description
ActiveX technology	<p data-bbox="808 212 1471 411">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 data-bbox="808 426 1471 464">For ApplinX, this will affect the following features:</p> <ul data-bbox="808 470 1403 741" style="list-style-type: none"> <li data-bbox="808 470 1019 508">• Type Ahead</li> <li data-bbox="808 510 1344 548">• Natural Data Transfer using ActiveX: <ul data-bbox="857 550 1403 701" style="list-style-type: none"> <li data-bbox="857 550 1273 588">○ silent download and upload</li> <li data-bbox="857 590 1403 659">○ downloading files to any folder on the client machine</li> <li data-bbox="857 661 1318 701">○ Activating a Natural Command</li> </ul> </li> <li data-bbox="808 703 1273 741">• Opening Multiple Web Sessions</li> </ul> <p data-bbox="808 756 883 793">Note:</p> <p data-bbox="808 800 1455 875">Natural Data Transfer without the use of ActiveX will continue to be supported.</p>

Changed Item	Description
Font Size	<p data-bbox="358 997 1344 1035">The following changes have been made to font size handling in this version:</p> <ul data-bbox="358 1056 1463 1360" style="list-style-type: none"> <li data-bbox="358 1056 1435 1094">▪ Default font size for web application is 'Dynamic by resolution' instead of 13px.</li> <li data-bbox="358 1096 1463 1226">▪ 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 data-bbox="358 1228 1463 1360">▪ 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 data-bbox="358 1375 1455 1453">ApplinX product and documentation have been updated to match the new Software AG look-and-feel.</p>

Changed Item	Description
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DocType	Parameter <code>DocType</code> is no longer applicable for Framework Configuration - all pages now have the HTML5 doctype.
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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 *z\_editConfig.htm* (.NET application) or *z\_editConfig.jsp* (Java application) and remove the following code:

```
<tr>
  <td><gx:gxcheckbox runat="server" id="appConfig_AddDocTypeToFrameset"
    onclick="flipDisable('appConfig_DocTypeStr');"/></td>
  <td><a href="#" class="help1"
    onclick="showHelp('framework/GXWebAppConfig.html#setAddDocTypeToFrameset(boolean)') ">Set
    doc type attribute:</a></td>
  <td><input runat="server" id="appConfig_DocTypeStr"size="50"/></td>
</tr>
```

## 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

### Release 10.7

Added Item	Description
ApplinX REST API	You can now create and disconnect a session, and also get and update a screen using the ApplinX REST API.
Printing with BaseObject API	New classes in the ApplinX BaseObject API provides an additional means of activating a mainframe or AS/400 printer session.

## 12.0 Copyright Information

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## 13.0 Support

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

APX-RM-107-20201015