

# **webMethods ApplinX 10.11 Readme**

## **October 2021**

This file contains important information you must read before using webMethods ApplinX 10.11. You can find system requirements, user documentation, and installation and upgrade instructions on the [Documentation website](#) or the [Tech Community 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).
- 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 10.11**

<b>Added Item</b>	<b>Description</b>
Enhanced Password Handling	For greater security, default password handling has been enhanced for Software AG products that are installed with the SAG Installer. On the Administrator Password panel, enter a default product administrator password for the products you are installing, and choose whether to require the password to be changed on first product login.
License Handling	<ul style="list-style-type: none"><li>• <b>Expiration.</b> For ApplinX licenses of type subscription or test, a daily message in server log will appear if there are less than 60 days to expiration date. In earlier ApplinX versions, this value was 8 days.</li><li>• <b>Enhanced support.</b> Software AG Support is now able to offer immediate help to customers if they suffer from license key issues, until the problem has been identified</li></ul>
REST API Enhancements	You can now generate a page in Angular, and also execute a procedure (stateless or stateful) using the ApplinX REST APIs.
Security enhancement	Improvements to the existing hotfix script mean you can now update or replace a JAR file, making it easier to address security vulnerabilites.
Japanese Composition Mode	Japanese composition mode is now supported.
Supported Microsoft Visual Studio Versions	ApplinX now supports Visual Studio 2019 in addition to 2017. Visual Studio 2015 is no longer supported.
Eclipse Support in Designer	ApplinX now supports Eclipse version 4.19 provided by the webMethods suite.
Azul Support	ApplinX runtime now supports Azul Java 11.
<b>Removed Item</b>	<b>Description</b>
Microsoft Visual Studio 2015	Visual Studio 2015 is no longer supported. Use Visual Studio 2017 or Visual Studio 2019 instead.
<b>Deprecated Item</b>	<b>Description</b>

Added Item	Description
BS2000 Protocol	The BS2000 protocol is deprecated and will not be supported in future ApplinX versions.

## **Release 10.7**

<b>Added Item</b>	<b>Description</b>
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, TWO_LINES, 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	<p>The Web Services Stack is now always enabled. The option to disable WS-Stack is no longer provided.</p> <ul style="list-style-type: none"><li>▪ If you are using a SOA-based license, both the procedure group and the administrative web services are deployed.</li><li>▪ 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.
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.

Added 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	<p>ActiveX technology is no longer supported by ApplinX. Features that relied on this technology have been reworked if necessary.</p>

## Release 10.5

Added Item	Description
ApplinX Web Emulator as Part of the ApplinX Docker Image	<p>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.</p>
Better Correlation between the ApplinX session and the Natural Process (Natural UNIX)	<p>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.</p>
Healthcheck in a Natural UNIX Docker environment	<p>A utility is provided to check that all components (ApplinX server, ApplinX Natural daemon, Natural, Adabas) are functioning in a Docker environment.</p>
Customized Startup of Natural UNIX Applications	<p>When you start a Natural application in ApplinX you can now specify additional information using the CUSTOM argument.</p>

Added Item	Description
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	<p>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.</p>
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 getColumnMappingPerResoultion where you can create a map for font size per resolution and number of columns of the screen.</p>

## ***Release 10.3***

Added Item	Description
Docker Support	<p>You can build an ApplinX Docker image and run the Docker container using scripts provided with ApplinX.</p>
Passing Natural parameters dynamically	<p>You can specify different parameters at runtime (for example NATPARM) depending on the business rule you choose.</p>

Added Item	Description
License Metering using Command Central	<p>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.</p>

## ***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.

## **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 10.11***

Changed Item	Description
ApplinX REST API	You can now generate a page in Angular, and also execute a procedure (stateless or stateful) using the ApplinX REST 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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