ApplinX User Guide

ApplinX Release Notes

Innovation Release

Version 10.2

April 2018

WEBMETHODS

This document applies to ApplinX Version 10.2 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 What's New in Release 10.2

- **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. The contents are sorted in ascending order. Click again to sort in descending order. This feature is useful when detecting duplicate field entries. The sort will be cancelled when you close the screen entity.
- **Single Sign-on under AS/400**
  ApplinX now supports a single sign-on using a Kerberos ticket on the platform AS/400. A corresponding start-up response code is given. See *Single Sign-on under AS/400* and *Start-up Response Record* in the *Reference Guide*.
- **Other Changes and Enhancements**
  - Pop-up window handling has been enhanced.
  - Multiple usability enhancements have been made.

2 What was New in Release 10.1

- **Support of Windows Server 2016**
  ApplinX now supports the operating system Windows Server 2016. This includes support for the following:
  - IIS 10
  - .NET Framework 4.6
- **Single Sign-on under AS/400**
  ApplinX now supports a single sign-on using a Kerberos ticket on the platform AS/400. A corresponding start-up response code is given. See *Single Sign-on under AS/400* and *Start-up Response Record* in the *Reference Guide*. This functionality was provided with a fix after the original release of version 10.1.

3 What was New in Release 10.0

- **Support of Visual Studio Version 2012 and 2015**
  ApplinX now supports Visual Studio versions 2012 and 2015. Versions 2008 and 2010 are no longer supported. See ApplinX Visual Studio .NET Add-In.
- **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. If you check **Do not overwrite existing Connection Information Sets**, you can import an application without its connection information sets. See Importing an Application's Entities.
- **Enhanced Search Options in Software AG Designer**
  In earlier ApplinX version you could search for entity names and referring entities, but it was not possible to search inside the entities themselves. With this version you can now search for the following components of each entity:
  - Screens and screen groups
  - Session data and date structure
  - Path and flow procedures

  See Searching Applications in the Software AG Designer under *Developing an ApplinX Application*.
- **Template Handling**
  - Template handling when creating an ApplinX Web application has been streamlined. See *Creating an ApplinX Web Application*.
  - Obsolete templates are no longer provided.

4 What was New in Release 9.12

- **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. See Managing Connection Pools.
- **Replacement for 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. See To test HostPrint in the Web application under *Getting Started with the ApplinX Printer*.
- **Usability**
  Usability has been enhanced throughout the product and a troubleshooting guide has been added. See Error Messages.
- **Documentation**
  Multiple documentation enhancements have been made, for example High Availability.

5 What was New in Release 9.10

- **Platform certifications**
  ApplinX now supports the following:
  - **Java 8**
    The ApplinX code now compiles with Java 8, which means that customers can use Java 8 syntax in their ApplinX web applications.
  - **Windows 10**
    The Windows 10 platform is now supported.
  - **Eclipse 4.5**
    The ApplinX Designer Eclipse is now version 4.5.
  - **Microsoft Edge**
    Microsoft's Edge browser is now supported.
- **Updating to CentraSite**
  You can now update an ApplinX application to CentraSite; this updates the assets that were changed since last registration/update. See *Update the Application to CentraSite*.
- **Font Size**
  The following changes have been made to font size handling in this version:
  - Default font size for web application is 'Dynamic by resolution' instead of 13px.
  - 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.
  - 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.

  See Enabling the User to Control the Font Size.

- **Rebranding**
  ApplinX product and documentation have been updated to match the new Software AG look-and-feel.
- **DocType**
  Parameter `DocType` is no longer applicable for Framework Configuration - all pages now have the HTML5 doctype.

  However, the option was retained in the configuration window for reasons of backward compatibility. You can remove this obsolete option if you prefer.

6 What was New in Release 9.9

- **Comparing ApplinX Applications**
  With the new 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. For example, before deploying to your production environment you can compare your current test application with the production version to see what changes were made, make sure the new application version is complete and that all the included changes were intentional.

  See Comparing Applications under *Developing an ApplinX Application*.

- **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**. See Invoking a Procedure, Using REST API under *Web Services* in section *Designing and Developing an Application*.

- **Upgrade to Tomcat Server 8.0**
  The ApplinX internal Tomcat server is now version 8.0.

- **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.

- **Enter Key Recognition**
  A distinction is now made between the two **Enter** keys (on numeric keypad and the main keyboard). The following line has been added to the *keyboardMapping.XML*" configuration file:

```
<GXKeyboardMapping additionalKey="0" keyCode="numpadENTER" ↩
targetFunction="[Function]"/> ↩
```

Note: This applies only to the following browsers: Firefox 29 and above; Chrome; Internet Explorer 11.

See Keyboard Mapping under *Client Side (JavaScript)* in the *ApplinX Development API References*.

- **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.

7 What was New in Release 9.8

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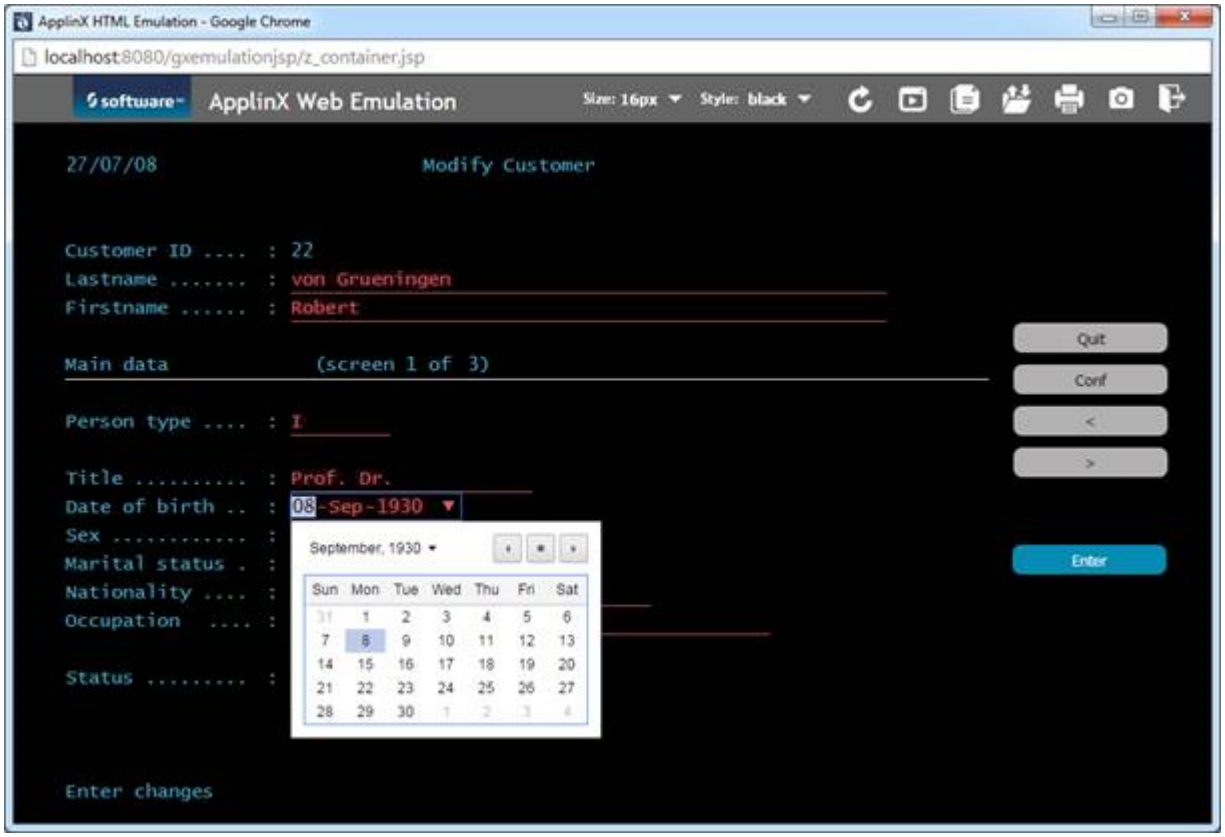
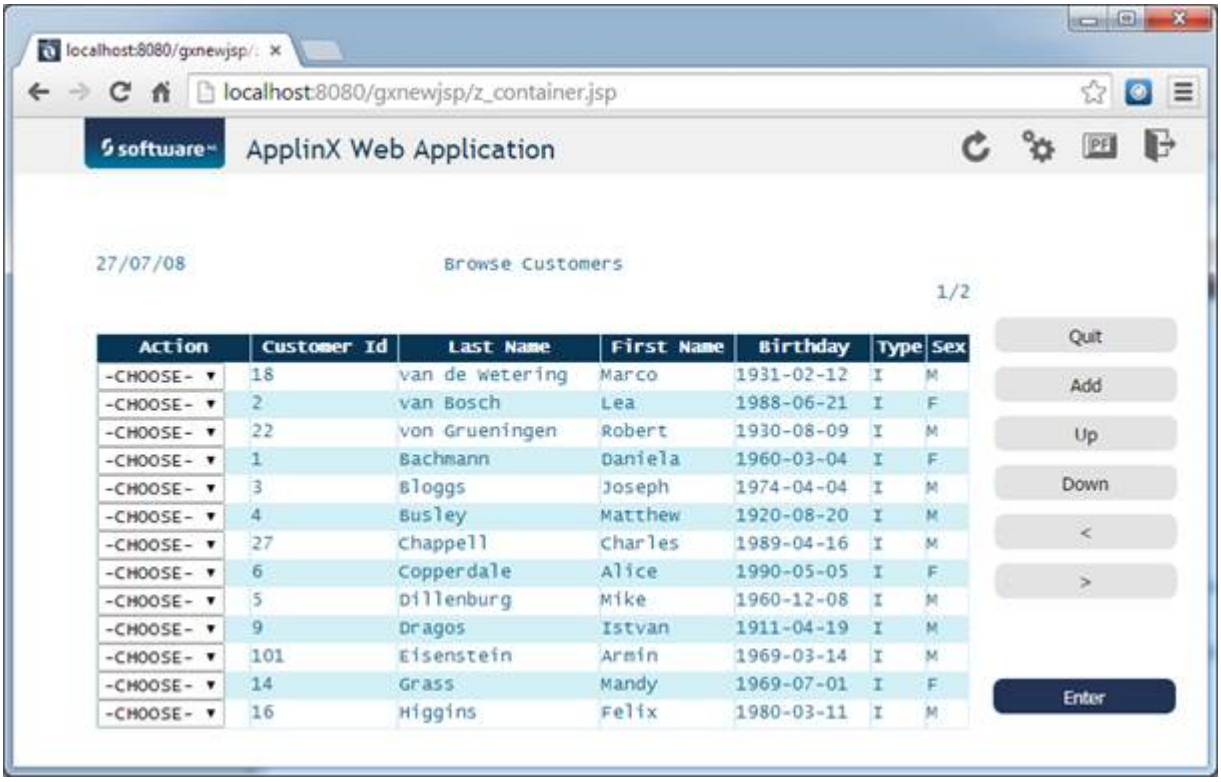
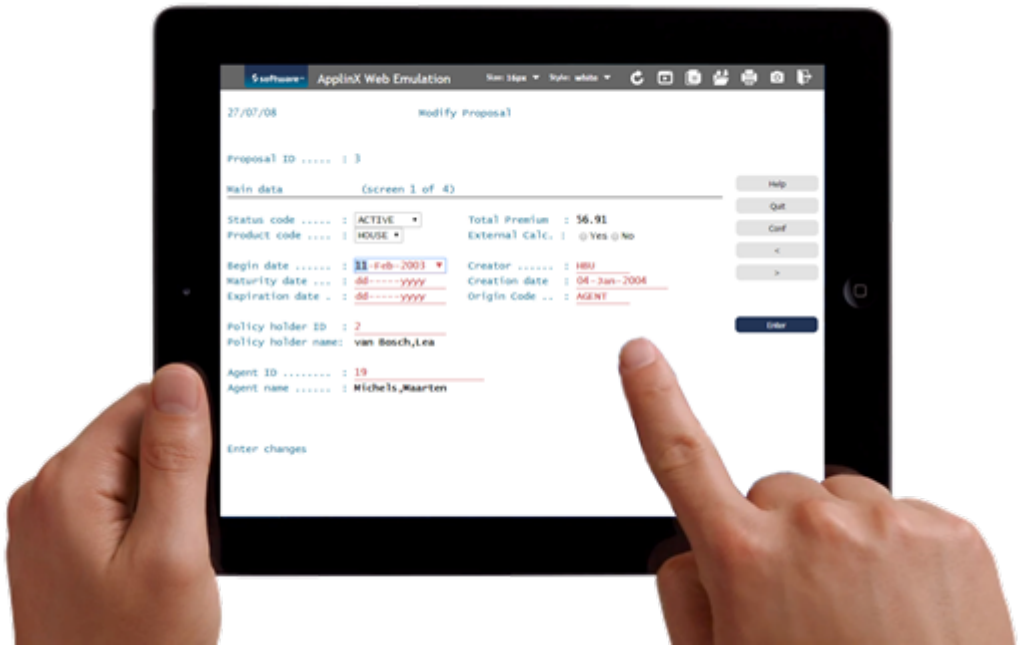
- Mobile Browser Support 17

New Look and Feel for Web Applications

- 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:







- The new Web applications can use HTML5 features such as the native calendar feature of the device where they are running. For example, if you are running on an iPad, you will get the native date picker conrol.

- A new "green" stylesheet for the Web emulation template has been added:

Usability Improvements

Creating new ApplinX applications has been simplified. You no longer need to define a repository, because the application now uses an internal one instead.

Performance Improvements

Performance has been improved. CPU usage has been optimized when using Natural host keys pattern, we have seen an average reduction of around 50 percent

Session Filtering

In the ApplinX Administrator you can now filter your sessions by Session ID, Application, Device Name, Duration, State, Connection Pool and Type. See *Filtering your Session* under *Current Activity* in the Administration documentation.

Detecting Use of ActiveX when Downloading a Natural File

When downloading a Natural file with method `gx_getNdtDefaultDownloadFileName` you can now use property `isUsingactiveX()`. This property indicates if the process is using ActiveX or not, and changes the logic accordingly. See `isUsingactiveX()` under *Server Side API (Java/.NET)* in the ApplinX Development API References.

Mobile Browser Support

ApplinX now supports mobile browsers, for example the Safari Browser. See Supported Browsers for full list.

Checking Feature Support

A new method `gx_isSupportedFeature` is provided on `GXBasicContext` (for Java) and `GXBasicWebForm` (for .NET) to indicate whether a particular feature is supported by the browser. Also, a new tag has been added to Java and .NET. See `gx_isSupportedFeature` for examples of using this method and the new tag.

Modal Windows Support in Mobile Devices

By default, modal windows are disabled for mobile devices such as iPad and iPhone. This behavior can now be overridden with the user exit `userExit.js`. See Enabling Modal Windows for Mobile Devices.

8 ApplinX Supported Platforms

For a full list of platforms supported by ApplinX see *Product Version Availability* on the Empower website.

Software AG provides ApplinX support for the operating/teleprocessing system versions supported by their respective manufacturers. In general, when an operating/teleprocessing system provider stops supporting a version of an operating/teleprocessing system, Software AG will stop supporting that operating/teleprocessing system version.