

# aXes Version 3.1.0

## What's New

## What's new in aXes Version 3.1.0

<b>Enhancements</b>	New features, new eXtensions, updated developer tools, browser support and utilities.
<b>Hotfixes</b>	All consolidated hotfixes since the general availability of aXes version 2.1.1
<b>IBM Server</b>	Requires IBM V5R4M0 or higher.
<b>Licensing</b>	You must request and install a new aXes Licence Code for aXes Version 3.1.0 to operate correctly.

## Enhancements

### New Features

New Features
<p><b>aXes Framework</b></p> <p>aXes Terminal Server transforms 5250 screens into pages in a browser using HTML, CSS and JavaScript.</p> <p>The new aXes Framework allows developers to add HTML panels around those pages created by aXes Terminal Server. The aXes Framework encapsulates aXes Terminal Server session pages and provides optional HTML panels, including header, left, right and footer panels.</p> <p>The framework tools include a design wizard, HTML templates and CSS definitions to style the HTML pages.</p> <p>The aXes Framework Wizard allows developers to design a framework's layout, styling and navigation. Developers choose the panels they require for a layout, select a theme, add optional navigation items and save the framework definition. They use the wizard to publish the framework definition as a working framework by generating the HTML, CSS, and JavaScript that will operate the framework.</p>

## New Features

### aXes Mobile App

aXes-Mobile provides modernization and mobilization capabilities for the enhancing the display of IBM i 5250 screens on mobile devices.

All the functions and features of aXes that are available for refacing and modernising 5250-based applications via the browser at the desktop are available with aXes Mobile.

aXes-Mobile adds the following capability to aXes :

- Enhanced Function Key and Enter Key handling. Remember that mobile devices do not have function keys like 5250 devices or PCs do.
- Automated configuration from URLs received via QR code, SMS or email.
- Photo, video capture, voice and annotation. Images, videos and voice can be captured. Traditional text can be replaced. Examples are : issue or damage reporting, asset management, HR, OH&S, site or product inspections. Users can annotate images to increase understanding.
- Camera Based Bar Code Scanning to speed up access to information.
- Email, SMS, Phone and Voice integration with existing 5250 applications.
- Copy to Clipboard and 'Intelligently' format and post data to the mobile device user's clipboard. For example formatted product details on a 5250-screen can be posted as a response to a customer's email inquiry.
- Read and write data to the mobile device's local file system. For example : download the daily schedule for a sales rep as a PDF for later offline access.

The aXes-Mobile app is downloadable from the App Stores. After the configuration step to integrate the app with the appropriate IBM i server, starting the app initiates an aXes Terminal Session running the designated 5250-based application. User interaction with the application occurs via the mobile device with access to all available device-side capabilities (e.g. voice, video, barcoding, etc).

## New eXtensions

New eXtensions
<p><b>axFunctionKeyPanel</b></p> <p>A typical 5250 screen shows function keys in two rows at the bottom of the screen. By default, aXes emulates the screen by displaying function keys as buttons in the same place. The aXes Function Keys Panel is a separate HTML panel that sits adjacent to a terminal server panel and contains the function keys displayed as buttons. The Enter key button is always available and the screen in the terminal server panel determines the other function keys available in the function keys panel. Developers can configure the function keys panel to include specific function keys, even though the function keys are not part of a screen displayed in the terminal server panel. The terminal server panel includes no function keys when the function keys panel is active.</p>
<p><b>axjQueryTheme</b></p> <p>axjQueryTheme allows developers to change existing jQuery themes in TS2 using JQuery theme options available from JQuery website.</p>

## Developer tools

Developer Tools Enhancements
<p>Support for IE 11</p>
<p>TS2 developer tools now include alignment options for multiple selected elements. The alignment options are backward compatible to TS1 developer tools.</p>

## Browser support

Browser Enhancements
<p>aXes-TS2, DE2 and WS2 now support Microsoft Internet Explorer version 11.</p>

## Utilities

Enhancements to aXes Utilities
<p>Backup and restore features allow automated creation of backup save (savf) files and download for safe keeping.</p>

## Consolidated Hotfixes

Since aXes version 2.2.0 a number of new features and corrections have been issued as hotfixes. These hotfixes have been consolidated into aXes version 3.1.0.

Description
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Description
Mobile.html is used to access aXes on mobile devices but didn't work on some devices. This has been fixed.
Using a TS2 session with no customization and clicking a menu item, the clicked menu number was incorrectly put into more than 1 input field. This has been fixed.
Using QuickPick menus, on some browser versions, when you move over an image, the axQuickpick menu appeared displaced from the image, instead of next to the image or just under the image. This has been fixed.
After successfully using the utility to Save a project, when you try to restore this project, even though you get a successful restore message, the restore can fail and the saved project isn't restored. This has been fixed.
Enhancement for aXes to allow passwords greater than 10 characters to be accessed by the TS login without the status bar producing the message "Too many characters entered. Must be no more than (10)". This has been fixed.
When customizing a screen and selecting all objects by dragging from the top left to the bottom right screen, the mouse cursor was not in line with the selection window. As a result this prevented all elements from being selected. This has been fixed.
In TS2, the default field height in V2.20 was different to previous versions. This has been fixed.
With the 'limitedcursorsupport ' property set to True, the cursor was being positioned incorrectly when selecting items using the cursor. This has been fixed.
After opening a browser and creating a framework definition in the aXes Framework Wizard, it wasn't possible to add a navigation item with a TS2 session URL from another domain, publish the framework definition and click the link. This has been fixed.
Unchecking the autoGUI option 'Replace option number with image' caused the selected option number to remain on the command line of the next screen. This has been fixed.
Fixed an issue where the value of a checkbox is lost when using the checkbox extension in a subfile and you scroll down the list using a scroll bar.
When using IE9, after making a selection by checking a radio button and pressing Enter, the radio button became 'unchecked'. This behavior only occurred using TS2 in IE9. This has been fixed.
With the aXes property "Replace option number with image" unticked, clicking on a numbered row in a subfile with a DDS scroll bar wasn't passing the row number to any fields handling the option selected. This has been fixed.
The VLF .Net Exit button was not reliably ending RAMP 5250 sessions when the user exits the VLF.Net using the Exit button. 5250 sessions started in RAMP during the VLF.Net login process are remaining orphaned and are retaining their record locks. This has been fixed.
Connecting to RPG programs using aXes-Robot would fail because of an incorrect version of a file. This has been fixed.
Attempting to change the appearance of a subfile using the Subfile Enhancer extension wasn't fully functional, as some Subfile Enhancer properties could not be changed from the default. This has been fixed.
Tables data did not display in TS2 in eXtensions Tutorial 6 - Dynamic Tables. This has been fixed.
Using IE8 or IE9, WS2 & DE2 could not be started from the menu bar in TS2. This has been fixed.

**Description**

Function key panel features a new extension and autoGUI options.

## Supported Platforms

The Supported Platforms section of the aXes Website (<http://www.axeslive.com/support>) includes details about the IBM i servers, operating system versions and browsers you can use with aXes.