



Information Engineering Technology

Rapide Release Notes



Release 3.0.10

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Important Notes

For this update you need to use GuardIEn 8.7.5 or later if you use GuardIEn to build Rapide applications. Do not copy the GDOPRPG.dll to your GuardIEn folder unless you are using GuardIEn 8.7.5 or later.

New Functionality

The following features have been added.

Support Permitted Values from a Group View in Static DropDown Overlays

Previously, a listbox overlay could be enhanced as a Dynamic Permitted Value DropDown and Rapide could be instructed to get the list of PVs from a LOCAL Group View. This was NOT supported for static Overlays, but now is. Also support for explicitly listed PVs is provided, with corresponding documentation to explain the format required in the UI Designer.

Mindfusion JDiagram diagramming control support

Initial support for Mindfusion's diagramming Java control has been implemented for WORKBENCH (Studio Developer) and SWT DESKTOP targets. This is intended initially for use by Studio Developer rather than for general consumption).

Dynamic Menu enhancements

New RFL method (*dynamicTreeExpandUpOrLeftInstead*) to instruct a Dynamic Menu to popup to the left or above the menu starting position instead of right/below. This supports placing of the menu on the right or bottom of the UI design. Also fixed an issue in the Debug Console where the control type for Dynamic Menus was being displayed as 'Unknown Type' and any Custom Theme was not included.

Fixes

The following issues have been fixed.

Closing a window within an open event can cause client crash - BROWSER

HTML Attributes are set at widget/window creation time using a RAP JavaScriptExecutor, for spellcheck, genname, css theme and aria tags. If the OPEN even of a pstep immediately closes that window then this can cause a crash in the RAP client-side browser JS because it is trying to reference widgets that no longer exist, and haven't yet been synchronised.

The JS used for setting such attributes needs to be enhanced to include a check for the widget's existence to trap the situation.

OLE Methods that returned Integers may not work

If your Gen logic used OLE methods that returned Integers (such as GetWidth and GetHeight), these may crash the runtime because they tried to return the results as Strings.

Potential JS Crash if a window closed very soon after opening

A potential crash could occur in browser if a window was opened, then almost immediately closed before the UI had a chance to catch up.

Improved exception handling in Canvas controls

Improved the trapping of exceptions in Canvas controls during redraws.

AutoSuggest decorations not always visible

Fixed an issue where sometimes the decoration in the bottom right of an AutoSuggest field would not be displayed.

Incorrect error reported for non-repeating Group Views

Detection by the Rapide runtime of a group view that is repeating and cardinality 1 was not correct - more views were being detected than necessary.

Varying Height ListBox tracking issue

Where multiple ListBoxes on the same window had no tracking, and were defined as Varying Height (HTML design property), these ListBoxes could end up adjusting their top to the bottom of each other resulting in some odd displays.