



Information Engineering Technology

Rapide Release Notes



Release 3.0.9

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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 GDOPRAPG.dll to your GuardIEn folder unless you are using GuardIEn 8.7.5 or later.

New Functionality

The following features have been added.

New ExpandBar feature to disable collapse

An ExpandBar control can now be defined as never collapsible. This will allow the style of that GroupBox to look the same as an ExpandBar but without actually being able to collapse it – useful for consistency of UI. This option is provided as a new value for the 'Start Contracted' property, of 'Disabled'. Support for BROWSER only at runtime.

Studio Developer UI Preview Custom CSS

If the model rapide folder contains a custom css folder, when using the UI Preview feature of the Studio Developer UI Designer in Rapide mode, the custom CSS is now included in the preview.

CSE Custom Theme auto-prefix based on control name

Rather than having to set a Custom Theme on all your controls in the UI Design, there are new rapide.properties tokens to automatically add a suffix to the Custom Theme at runtime based on the control name. Prefix Masks may be specified for most control types. New tokens are:

CUSTTHEME_SUFFIX_LIT (Literals)
CUSTTHEME_SUFFIX_FLD (Fields)
CUSTTHTME_SUFFIX_BUT (Buttons)
CUSTTHTME_SUFFIX_LST (ListBoxes/Trees)
CUSTTHTME_SUFFIX_RAD (Radio Buttons)
CUSTTHTME_SUFFIX_GRP (Group Boxes and ExpanBars)
CUSTTHTME_SUFFIX_CHK (CheckBoxes)
CUSTTHTME_SUFFIX_DRP (DropDowns)

Tokens may be repeated as many times as you need if multiple prefix masks are required.

For example:

CUSTTHTME_SUFFIX_FLD=fld:mytheme

...any Field control whose Name starts with 'fld' will have 'mytheme' appended to the Custom Theme applied.

Force zOrder to BACK based on Control Name

If you want to force all controls whose control Name starts with a mask, use the new rapide.properties token ZORDER_FORCE_BACK_PREFIX. This token can be repeated as many times as you need.

Load into Parent Frame option available as a default

Some application designs have a parent Frame control high up in the hierarchy and use the 'Load into Parent Frame' property to have flowed-to psteps loaded into the same Frame. However, to get this to work you have to set every primary window to have the 'Load into Parent Frame' property switched on. A new token in rapide.properties is now provided to make this a default option so you do not have to set it for every window in the UI Design:

ALWAYS_LOAD_INTO_PARENT_FRAME=True

An additional value is available for this which also forces secondary Dialog Boxes to be loaded into the parent Frame, if there is one:

ALWAYS_LOAD_INTO_PARENT_FRAME=All

If you used these options, then the property defined on the individual window designs is not important.

Make popup dialogs have no title bar by default

A pop-up window or dialog box may be presented with no title bar by setting the 'no title bar' property on the individual window in the UI Design. If you want this to be default behaviour, saving you having to set the property individually on every window / dialog, you may use the rapide.properties token:

2NDARY_DLGBX_DEFAULT_NO_TITLEBAR=True

This also applies to all window types, including Primary, not just Secondary Dialogs.

Dynamically change CSS Custom Themes on the fly

Provided a new RFL property "SessionThemeSuffix" (GET and PUT) to set a Custom Theme Suffix to be added to the end of every control that has a theme defined. Allows you to switch between themes/styles programatically e.g. orange theme, green theme etc.

In addition, if you want this theme suffix to be added to ALL control types (not just those that already have a Custom Theme applied), a rapide.properties token SESSION_THEME_SUFFIX_SCOPE may be set to ALL.

Multiple CSS theme files

Technically not new, but now documented – it is possible to reference multiple CSS theme files so you can break down your customisations and place them in more conveniently sized CSS files. Place any such files alongside your modified rapideTheme.css in the \css folder of your model. They can be named however you like, but you must then modify the skeleton java file Configuration5.java in the Rapide software folder to list all of your css files, for example:

```
try {
    application.addStyleSheet(RWT.DEFAULT_THEME_ID, "css/rapideTheme.css");
    application.addStyleSheet(RWT.DEFAULT_THEME_ID, "css/rapideTheme_LT.css");
    application.addStyleSheet(RWT.DEFAULT_THEME_ID, "css/rapideTheme_LT_ONE.css");
    application.addStyleSheet(RWT.DEFAULT_THEME_ID, "css/rapideTheme_LT_TWO.css");
    application.addStyleSheet(RWT.DEFAULT_THEME_ID, "css/rapideTheme_LT_THREE.css");
} ...
```

New Edge Tracking method using Percentage of designed position

Rapide runtime now supports the new Edge Tracking method of Percentage, which allows you to move each edge of a control (left, right, top and bottom) as a proportion of its' original designed position within the parent window. This means it is now possible to share space on the window proportionally between controls as the window grows/shrinks. Note that percentage tracking is only available against the <Window Edge>.

CSE Custom Theme auto-prefix rename tokens and support MultiLine Fields

Tokens in rapide.properties for theme suffix were spelt incorrectly (was CUSTTHTME in some cases), renamed to CUSTTHEME. Also added support for Multi Line Fields using the CUSTTHEME_SUFFIX_FLD token, same as normal fields.

Fixes

The following issues have been fixed.

Browser Theming to support FakePrompt fields

Previously, if a Field control was designed as read-only, this was implemented with a 'FakePrompt' CSS Theme, but any Custom Theme defined in the UI Design was ignored. The designed Custom Theme is now included in the control's Theme too.

Exception closing a window with auto-column width ListBox

When using the rapide.properties token LISTBOX_AUTO_WIDTH=True, a close of the window containing that ListBox could sometimes cause an exception.

Exception on large view sets

In PSteps with a large number of views, an exception could occur when padding Text views with spaces.

Popup Dialog Boxes not resizable

A popup dialog in BROWSER may not allow resize when default/norestrict is defined on sizing.

Hyperlink controls with no Target URL should use Event instead

Previously, if a Link control was pressed, it would trigger the Target URL defined for that control. However, if no Target URL was defined, this would fail. Instead, if none is defined, it now triggers any associated Event in the UI design.

Catching Repeating Group Views with Cardinality of 1

The Gen Java runtimes do not fully support the use of Group Views with Cardinality of 1 which are Repeating. You should switch off the 'repeating' property of such Group Views ("one" instead of "one or more"). Previously Rapide would fail at generation time (UI xml generation) if such a view existed, but this is now permitted to generate, but will instead be caught at runtime, issuing an ERROR message to the console with details of the offending Group View.

Tracking a GroupBox to window Centre not working vertically

If a GroupBox or ExpandBar had tracking to the window centre defined, this only tracked horizontally, not vertically. This is fixed so it may be tracked to centre along both axis.

Debug Console to display Custom Theme for Windows/Dialogs

The UI listbox in Debug Console previously included any Custom Theme applied for controls only. This information is also now included for Windows and DialogBoxes if they have a Custom Theme.