
Add New Rule Scope

FIRELIGHT BASE



ADD NEW RULE SCOPE

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iConnect 258269 Design Approach –Add New Rule Scope to FireLight

Project Overview

This Enhancement will add new rule scopes to FireLight that will make the rules run after the application is created and when other rules are already run. Rules created using these new rule scopes will run last after all other rules in the application have finished. This is to save application load time in case there are rules written using large custom lists. Rules created using the new rule scopes will run for both when (a) new application is created, (b) an existing application is loaded for data entry. These new rule scopes will support faster application load time.

Impacts:

- Two new rule scopes "Run Last - Initialize" and "Run Last - All" will be added to the Rule Scope drop down at FL Admin -> Product Config -> Rule Sets -> Rules Window (link)

1 Add New Rule Scope in Rules Window

This new rule scope will help with the load times of activities when there are large custom lists used in the rules. The rule scope will act like the "All" scope, but it will not run at the time of initialization.

In the Rule Scope drop down on the Rules page, two new rule scopes are added named "Run Last - Initialize" and "Run Last - All":

FL Admin -> Product Config -> Rule Sets -> Rules Window (link)

Rules Node Help

Rule Name
Enter a Value CANCEL CREATE RULE

Rule Scope
All

- All
- Initialize
- Property Change
- Run Last - Initialize
- Run Last - All

Acceptance Criteria

- The new rule scope "Run Last - Initialize" is available for selection in the Rule Scope drop down on Rule Sets window in the admin tool.
- The new rule scope "Run Last - All" is available for selection in the Rule Scope drop down on Rule Sets window in the admin tool.
- Creating rules using the new rule scope "Run Last - Initialize" is allowed.
- Creating rules using the new rule scope "Run Last - All" is allowed.
- Rule scopes process/run as expected for activity creation.
- Rule scopes process/run as expected for data change/update.
- Rule scopes process/run as expected in conjunction with one another.
- Activity loading - Opening existing, shared, or transferred apps.

2 Process New Rule Scope

All rules created with the scope "Run Last - Initialize" will be the last to run at the time application is either created or loaded, i.e., after all other rules have run. This new rule scope will be applied for a new application created and while loading an existing application. In both these cases, rules created under the scope "Run Last - Initialize" will run at the end of initial processing.

While the rules without "Run Last - Initialize" run, the rules with "Run Last - Initialize" will have their events disabled. When the other rules are run, the events for "Run Last - Initialize" will be reenabled then those rules will run normally.

All the rules created with the scope "Run Last - All" will run last at the time a field property is changed and when the application is initialized. Hence, these will function the same way as the rules with scope "All", but these will run at the end, i.e., after all the rules with scope "All" and "Property Change" are run.

Acceptance Criteria

- Application create time is reduced when rules are created using new rule scopes "Run Last - Initialize" and "Run Last - All".
- Application create time is reduced when rules are created using new rule scopes "Run Last - Initialize" and "Run Last - All" in conjunction with a large custom list.
- Application load time for an existing activity is reduced when a few rules are created using new rule scopes "Run Last - Initialize" and "Run Last - All".
- Rules created with rules scope "Run Last - Initialize" run last after all the rules with scope "Initialize" are run.
- Rules created with rules scope "Run Last - All" run last after all the rules with scope "All" and "Property Change" are run.