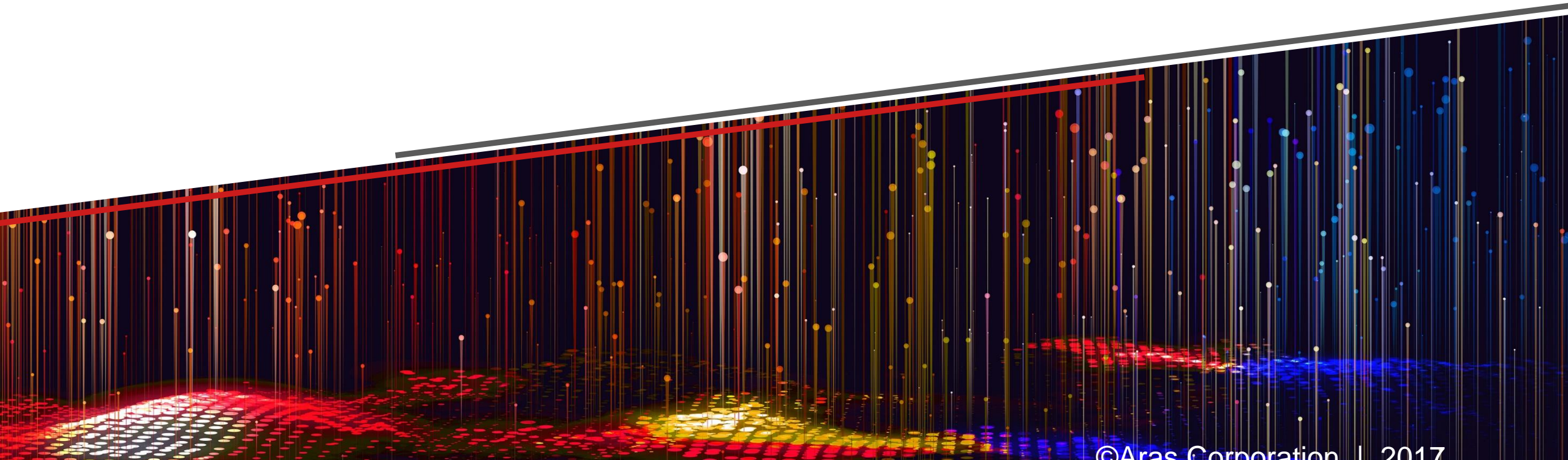




(extended) Form Field Rendering Rules

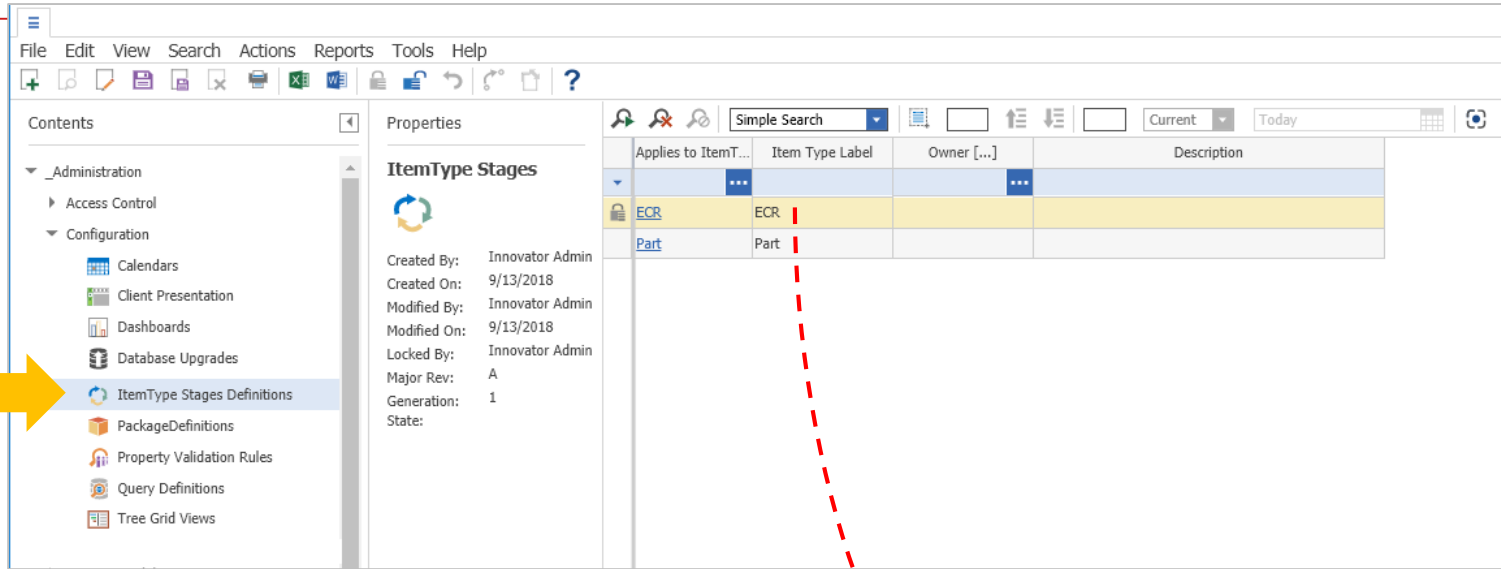
Author: Rolf Laudenbach



Description – Form Field Rendering

- This solution depends on package „Property Extended Validation“ (PEV)
- Purpose:
 - Field on forms of an ItemType may need to be disabled or enabled for defined “Stages” only.
 - Field on forms of an ItemType may need to be shown or hidden for defined “Stages” only.
- 2 generic „Client Methods“ ([ffr_FormField_ApplyRenderRules](#), [ffr_FormField_ApplyRenderRules_p](#)) are provided to read the rules of the ItemType specific configurations to execute the rendering rules during “onLoad” of the Form.
- Form Field Rendering rules must be set to status „Active“ (life cycle) to take effect.
- Features used from PEV:
 - „Stages“ are defined as one or more possible „Life Cycle States“ of an item.

(1) Define Stages for an ItemType (part of PEV)



The screenshot shows the Innovator Admin console interface. On the left, the 'Contents' pane shows the 'Configuration' section expanded, with 'ItemType Stages Definitions' highlighted by a yellow arrow. The main area displays the 'ItemType Stages' properties for 'ECR' and 'Part' item types. The 'ECR' stage is highlighted in yellow, and a red dashed arrow points from it to the 'Stages Definitions' table below.

Stages Definitions

Stage Pos	Swim Lane	Stage Name	Previous Stages	Stage Label	item_life_cycle...	LC States (mapped)	Progress Image [...]
1	1	New		New	ECR	New	
2	1	Submitted		Submitted	ECR	Submitted	
2	1	In Review		In Review	ECR	<div>2 item(s) selected</div> <div><input type="checkbox"/> Cancelled <input type="checkbox"/> Disapproved <input checked="" type="checkbox"/> In CRB <input checked="" type="checkbox"/> In Review <input type="checkbox"/> New <input type="checkbox"/> Released <input type="checkbox"/> Submitted</div>	

Multi-Language Name of Stage

Define Form Field Rendering Rules

Form Field Rendering Rules

Created By: Innovator Admin
Created On: 5/9/2019
Modified By: Innovator Admin
Modified On: 5/9/2019
Locked By: Innovator Admin
Major Rev: A

Form Field Rendering Rules

Applies to ItemType: ECR
Item Type Label: ECR
ItemType Classification: ECR
Status: Active
Item Type Stages Definition: ItemStages: ECR

Form Field Rendering Rules

Applies to ItemType: ECR
Item Type Label: ECR
Owner: Administrators
Item Type Stages Definition: ItemStages: ECR
Description:

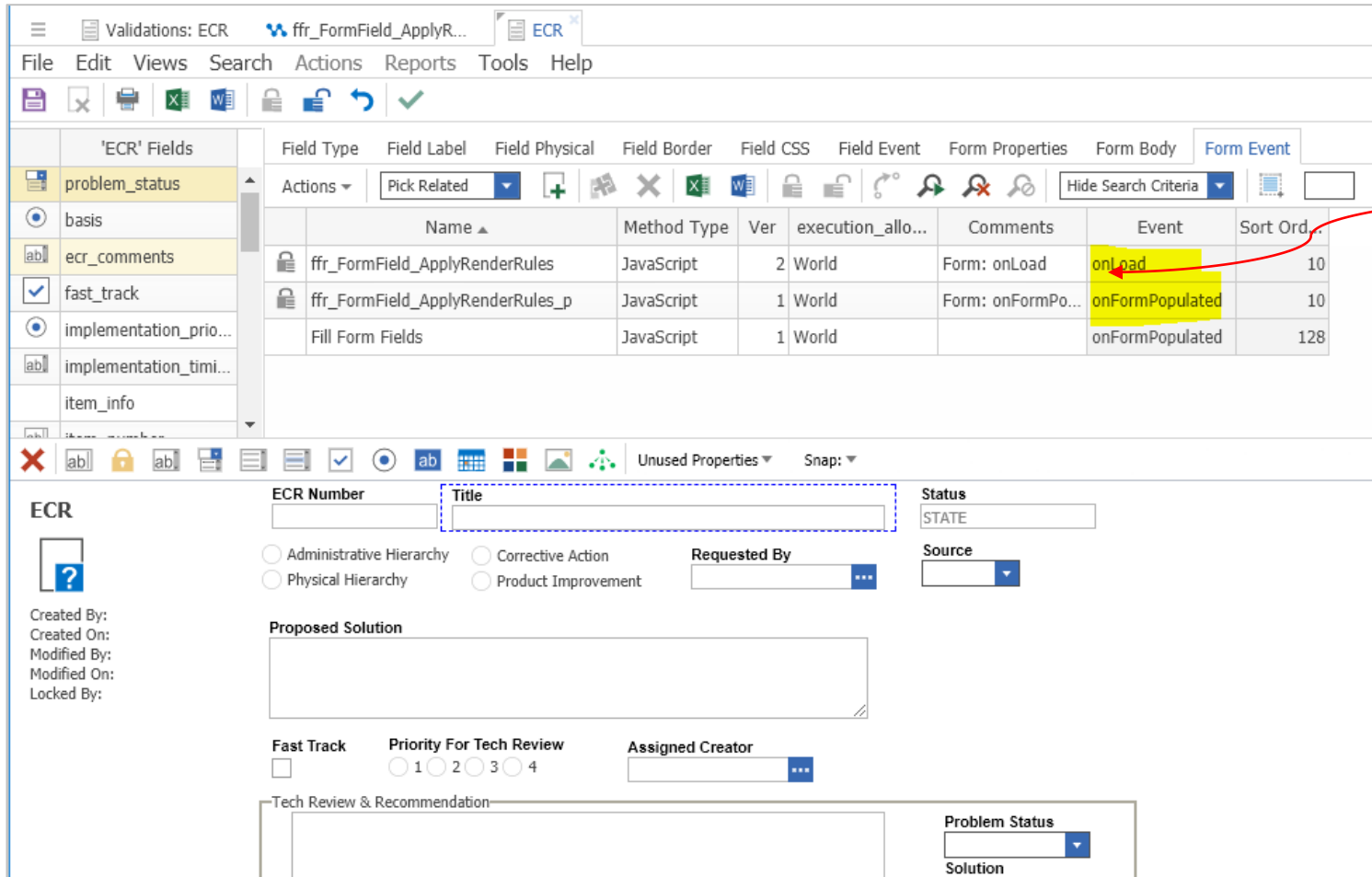
Form Field Rules

Sequence	Form [...]	Field	Field Label	Field Type	Property Name	Property Label	Data Type	Pattern	All Stages	Item Type Stages (applied to)	Visibility Option	Visibility for Identity [...]	Enabled Option	Enable for Identity (o...
1	ECR	implementation_...		radio button ...	implementation_prio...	Implementation Priority	List		<input type="checkbox"/>	New,Submitted	hidden			
1	ECR	priorityGroupBox		groupbox					<input type="checkbox"/>	New,Submitted	hidden			
2	ECR	implementation_...	Key Implementation...	textarea	implementation_timi...	Implementation Timing	Text		<input type="checkbox"/>	New,Submitted	hidden			
3	ECR	technical_review		textarea	technical_review	Technical Review	Text		<input checked="" type="checkbox"/>				disabled	Owner
4	ECR	technical_review		textarea	technical_review	Technical Review	Text		<input type="checkbox"/>	Submitted			enabled	
10	ECR	nonrecurring_cost	\$	text	nonrecurring_cost	Nonrecurring Cost	Float		<input type="checkbox"/>	New,Submitted	hidden			
11	ECR	nonrecurringCos...		groupbox					<input type="checkbox"/>	New,Submitted	hidden			
20	ECR	ecr_comments	Comments	textarea	ecr_comments	ECR Comments	Text		<input type="checkbox"/>	New,Submitted	hidden			
30	ECR	recurring_cost	\$	text	recurring_cost	Recurring Cost	Float		<input type="checkbox"/>	New,Submitted	hidden			
31	ECR	recurring_cost_d...		dropdown	recurring_cost_dirac...	Recurring Cost Direction	List		<input type="checkbox"/>	New,Submitted	hidden			
32	ECR	recurringCostGro...		groupbox					<input type="checkbox"/>	New,Submitted	hidden			

Annotations:

- PROMOTE to „Active“
- If not set to „Active“, rendering is disabled !!!
- Identify the „visibility“ rule is applied to
- Set to Visible or Hidden
- Set to Enable or Disabled
- Identify the „enable/disable“ rule is applied to
- Apply to all stages
- List of Stages the rule gets applied to
- Any Form of the „Applies To ItemType“
- Any Field on this Form
- automatically set
- fields of type „button“, HTML and other may throw An error which can be ignored.
- If the same field is listed multiple times, the rule of the last in „Sequence“ will be applied

Configurations on the Form



The screenshot displays the Aras ECR configuration interface. The top menu bar includes File, Edit, Views, Search, Actions, Reports, Tools, and Help. Below the menu is a toolbar with various icons. The main area is divided into two panes. The left pane, titled "'ECR' Fields", lists several fields: problem_status, basis, ecr_comments, fast_track, implementation_prio..., implementation_timi..., item_info, and item_number. The right pane, titled "Form Event", contains a table with the following data:

Name	Method Type	Ver	execution_allo...	Comments	Event	Sort Ord...
ffr_FormField_ApplyRenderRules	JavaScript	2	World	Form: onLoad	onLoad	10
ffr_FormField_ApplyRenderRules_p	JavaScript	1	World	Form: onFormPo...	onFormPopulated	10
Fill Form Fields	JavaScript	1	World		onFormPopulated	128

Below the table, there is a section for "ECR" with various fields and options. The "ECR Number" field is highlighted with a dashed blue border. The "Title" field is also highlighted. The "Status" field is set to "STATE". The "Source" field is a dropdown menu. The "Proposed Solution" field is a large text area. The "Fast Track" field is a checkbox. The "Priority For Tech Review" field is a radio button group with options 1, 2, 3, and 4. The "Assigned Creator" field is a dropdown menu. The "Tech Review & Recommendation" field is a large text area. The "Problem Status" field is a dropdown menu. The "Solution" field is a large text area.

Add 2 generic client methods to all the Forms used with your „Form Field Rendering Rules“

Test it: Create new ECR (promote to Submitted via InBasket)

ECR-100001

File Edit Views Search Actions Reports Tools Help

ECR

ECR Number: ECR-100001 Title: Test pev Status: Submitted

Administrative Hierarchy Corrective Action Requested By Source: Internal

Physical Hierarchy Product Improvement

Created By: Innovator Admin Created On: 5/9/2019 Modified By: Innovator Admin Modified On: 5/9/2019 Locked By: Innovator Admin

Proposed Solution

Fast Track Priority For Tech Review Assigned Creator

Tech Review & Recommendation

Problem Status Solution

According to the rules this field is „disabled“ and cannot be edited

According to the rules these fields are „hidden“

Edit ECR and set „Assigned Creator“

ECR-100001

File Edit Views Search Actions Reports Tools Help

ECR

ECR Number: ECR-100001

Title: Test pev

Status: Submitted

Source: Internal

Administrative Hierarchy

Physical Hierarchy

Corrective Action

Product Improvement

Requested By

Created By: Innovator Admin

Created On: 5/9/2019

Modified By: Innovator Admin

Modified On: 5/9/2019

Locked By: Innovator Admin

Proposed Solution

Fast Track

Priority For Tech Review: 1 2 3 4

Assigned Creator: Administrators

Tech Review & Recommendation: now this field is editable for the Assigned Creator (= Owner)

Problem Status

Solution

Save, Close and then re-open the ECR

According to the rules this field is now „enabled“ for the ECR owner and can be edited.

Conceptual Overview

Data Model

