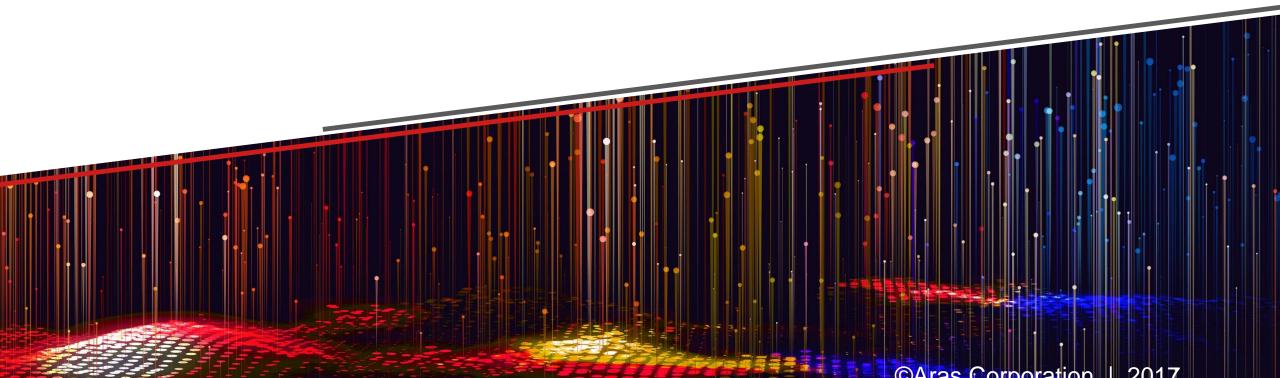


Property Extended Validation Rules

Author: Rolf Laudenbach

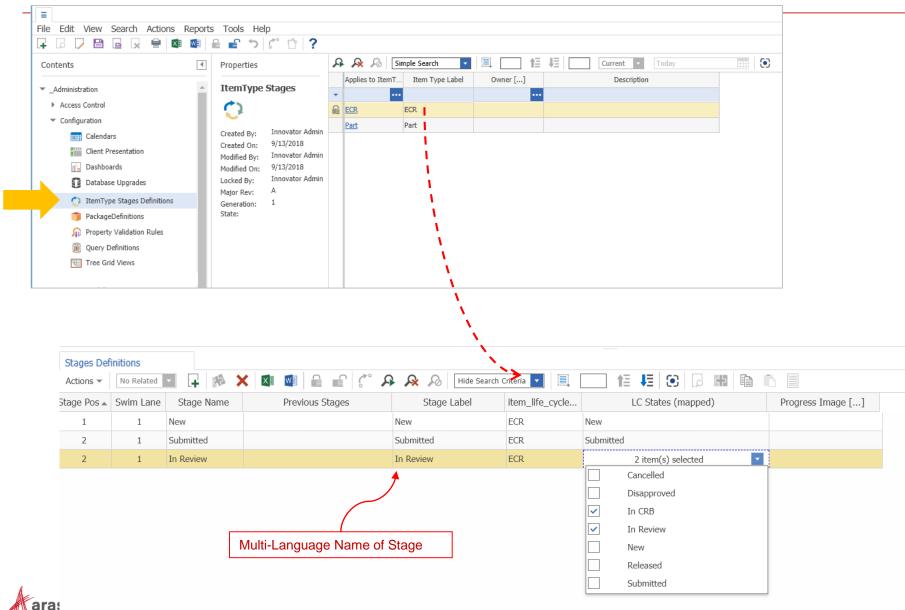


Description - Property extended Validation

- Purpose:
 - Add configurable rules to check availability or specific expected values of properties of an Item by life cycle state at run time.
- The checks according to rules run while an item is in a defined "stage" or gets promoted to a "stage".
- This allows to extend the options of checking for "required" data beyond just during the initial "save" action.
- "Stages" are defined as one or more possible "Life Cycle States" of an item.
- A generic "Server Method" (pev_ItemProperty_extValidations) is provided to read the rules of the ItemType specific configurations and execute the checks and generate an error message listing missing or non-conforming property values.
- This method must be connected to the "onAfterUpdate" events of ItemTypes to enable its extended property validations.
 - Note: on error of server methods "onAfterXX" a roll-back takes place anyways !!!
- To enable checking during a promotion to one of the defined stages, the same method must also be connected to ItemType server events "onBeforePromote" and "onAfterPromote"
 - Note: The OnBeforePromote and OnAfterPromote events can be used to define a standard promote operation for an item regardless of the lifecycle transition selected by the user. Both events are triggered BEFORE the standard lifecycle pre/post events are invoked.
- Also, an "Item Action" (pev ItemProperty extValidations) is provided to execute the validations upon user request to get a report of missing or non-conforming property values.
- Error messages are template based and support multi-language configurations
- Property Validation rules must be set to status "Active" (life cycle) to take effect.

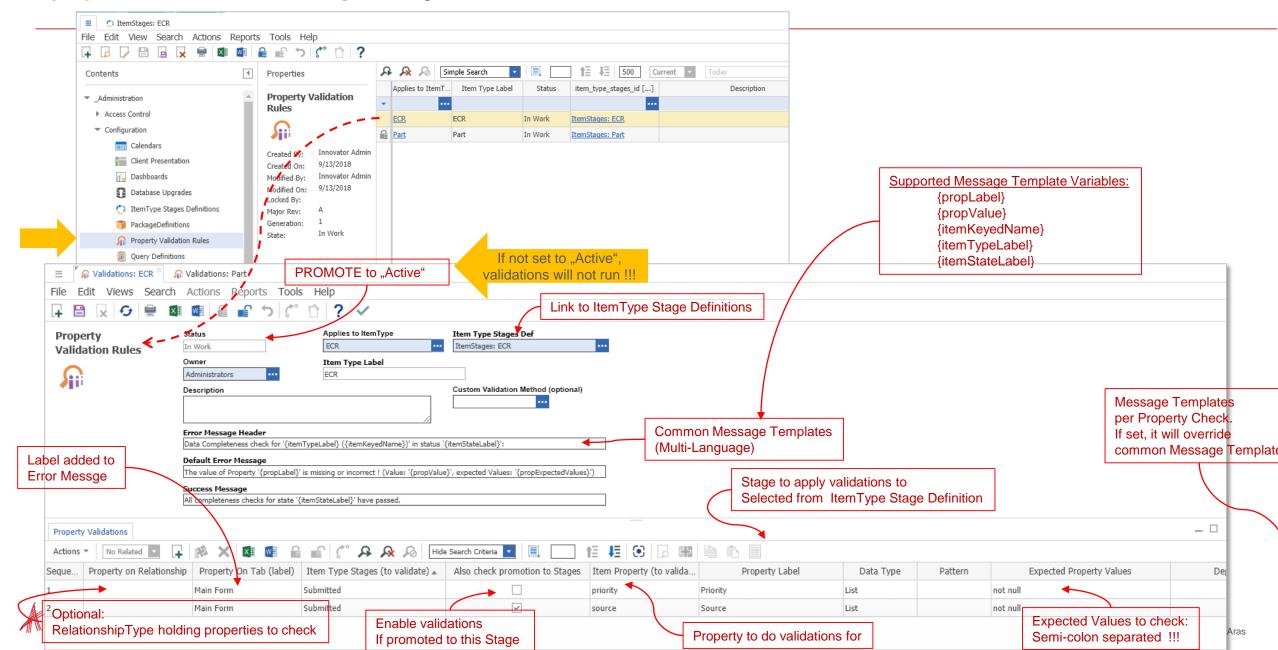


(1) Define Stages for an ItemType

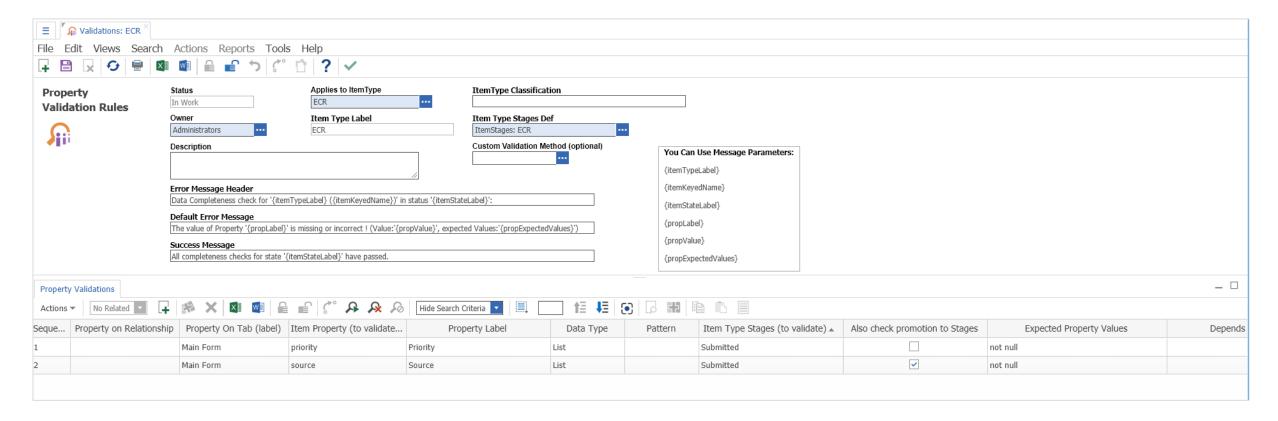




(2) Define Property Validation Rules

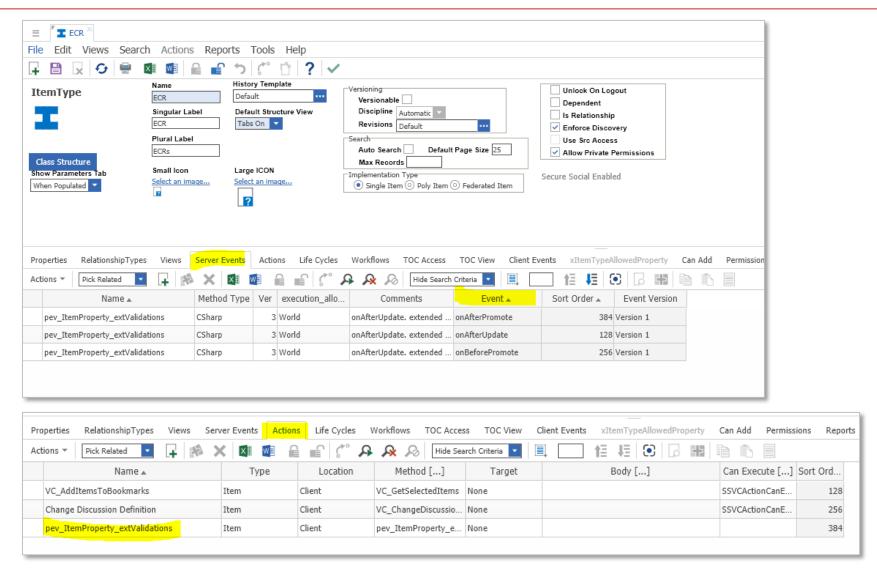


Newer Layout (same Functionality)



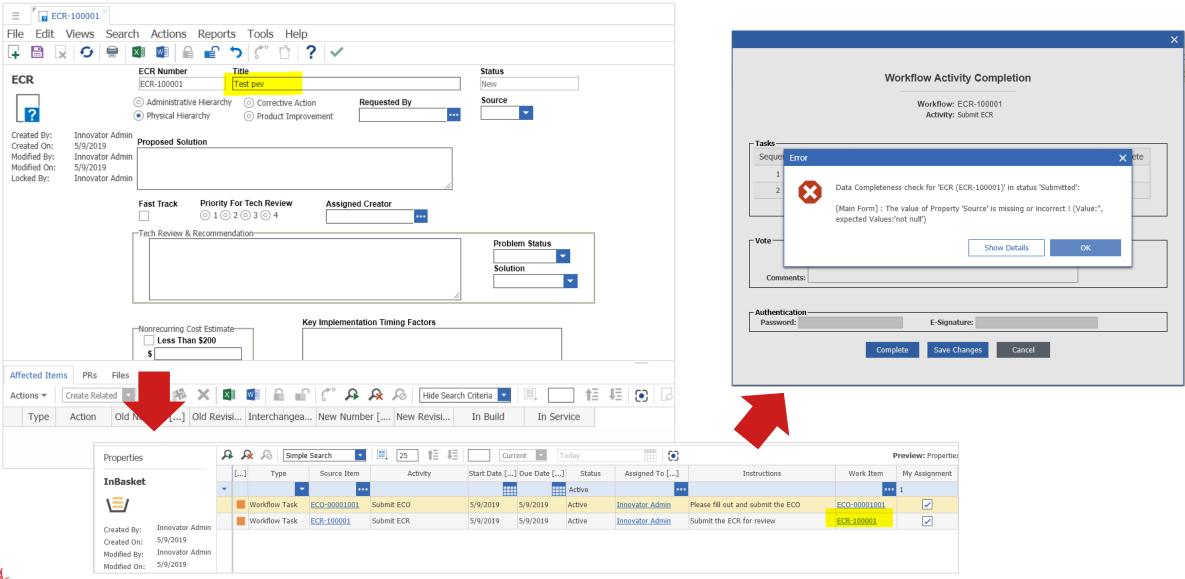


(3) Configurations on ItemTypes

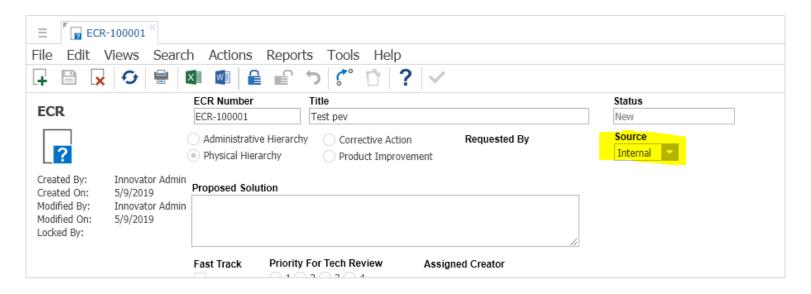




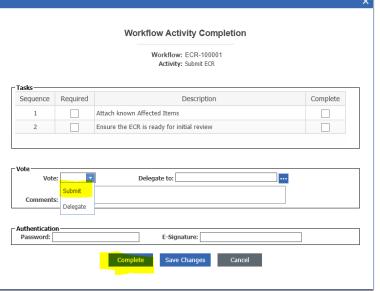
Test it: Create new ECR (promote via InBasket



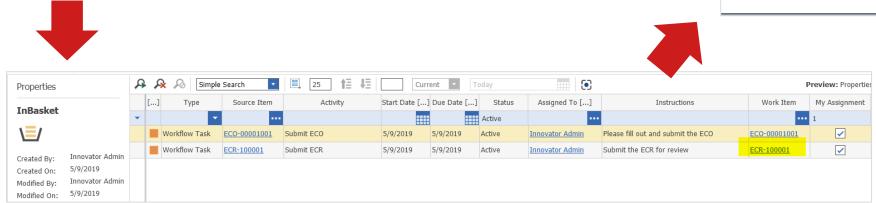
Edit ECR and set missing Property value



No validation errors now.

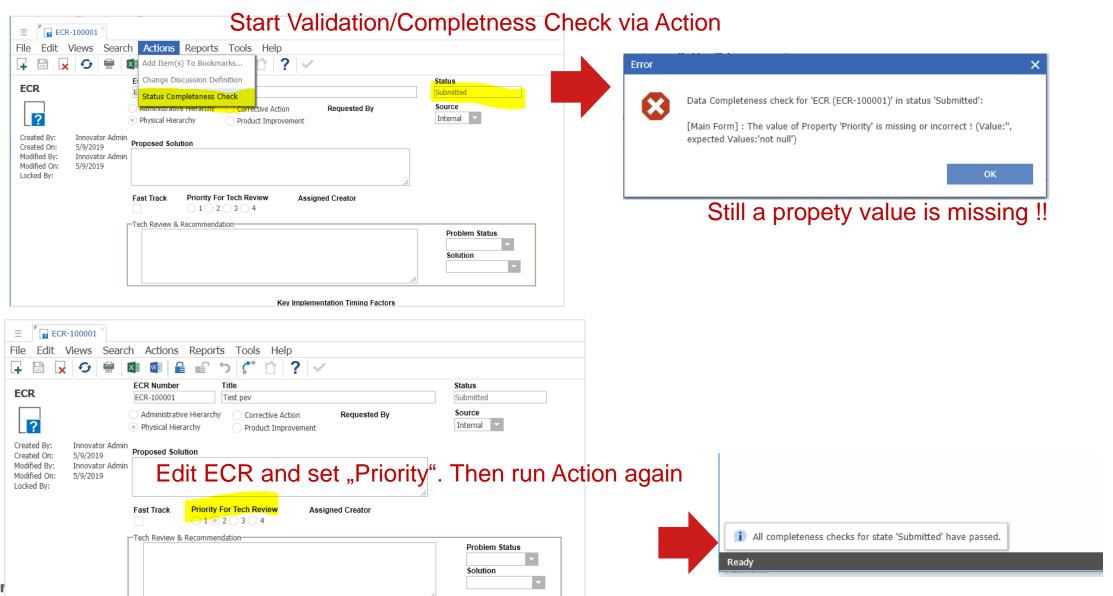


Try promote via InBasket again





Open ECR (in status "Submitted")



Item Validations In Action

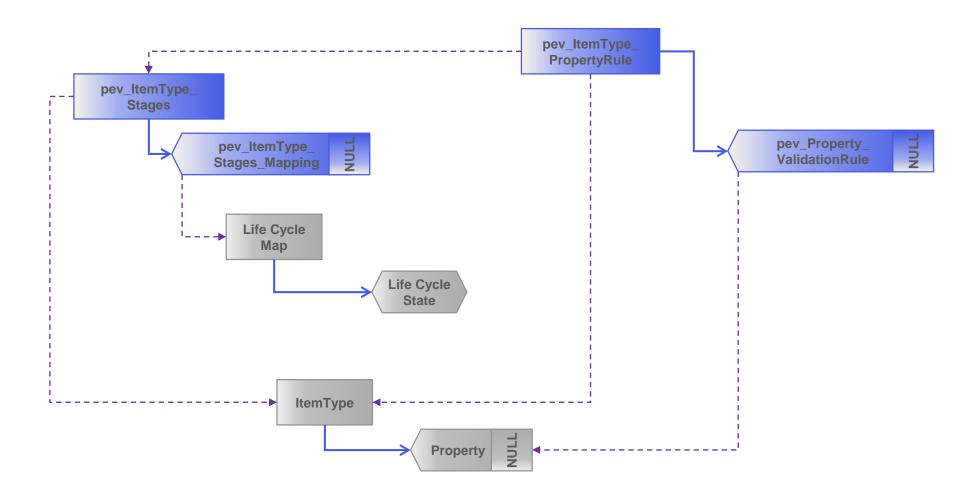
Check via Action (or when saving an update) Error File Edit View Search Actions Reports Tools Help ° 🖒 ? Hide Configurable InBasket Error messages shown in a popup window Enterprise Search: Reindex All Data Completeness check for 'ECR (ECR-100001)' in status 'Submitted' has failed: A A A Contents Choose CM Options Title Status Fast Track Priority [Main]: The value of Property 'Priority' is missing or incorrect! (Value --> ", Reset preferences Administration expected Values: 'not null') Update timezones data [Main]: The value of Property 'Source' is missing or incorrect! (Value --> ", ▶ _Home Test111 Submitted Visual Collaboration Notifications expected Values: 'not null') My Tasks CR-100002 Add Item(s) To Bookmarks... Innovator Admin Change Management Change Discussion Definition 9/13/2018 OK ECRs Status Completeness Check 9/13/2018 View Search Actions Reports Tools Help Success message at bottom of Main Page Hide Configurable InBasket € 🗓 ? Enterprise Search: Reindex All A Simple Search 25 Current Contents Choose CM Options ECR Number Title Status Fast Track Reset preferences _Administration All completeness checks for state 'New' have passed. Update timezones data _Home ECR-100001 Test111 Submitted Visual Collaboration Notifications arastraining ▶ _My Tasks TEST 2 Add Item(s) To Bookmarks... Innovator Admin Change Management 9/13/2018 Change Discussion Definition ECRs Innovator Admin Status Completeness Check Check when promoting Error messages shown in a popup window Fast Track Error Created By: Innovator Admin Created On: 9/13/2018 Modified By: Innovator Admin Data Completeness check for 'ECR (ECR-100002)' in status 'Submitted' has failed: Modified On: 9/13/2018 To State Locked By: Major Rev: [Main]: The value of Property 'Source' is missing or incorrect! (Value --> ", Generation: expected Values: 'not null') Show Details

Our configuration has only one validation active for promoting the item

Conceptual Overview

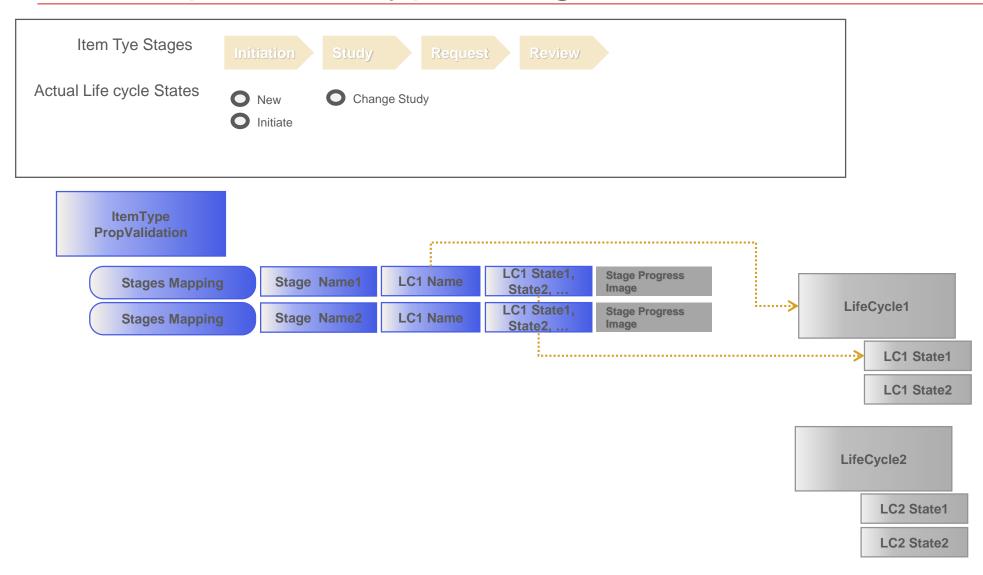


Data Model





Concept: ItemType Stages





Concept Overview: Item Property Validation Rules

(does not cover xProperties, yet)

