

Lesson 8 Partial Page Update

As a configuration developer, you want to be able to configure the Post On Change behavior of widgets, so that you can improve data entry efficiency and reduce page refresh.

In this lab, you will make several basic and advanced configuration changes in order to improve both application performance and usability by configuring targeted Post On Change for various widgets in TrainingApp.

8.1 Prerequisites

You must first complete the following previous lesson(s):

- Creating New Entities
- List Views
- Editable List Views
- TypeLists
- Popups

For this lab, use TrainingApp, Guidewire Studio, and a supported web browser.

<http://localhost:8880/ab/ContactManager.do> is the default URL for TrainingApp. To view, edit, and delete various contacts, log in to TrainingApp as Alice Applegate. The login/password for Alice Applegate is aapplegate/gw.

8.2 Lab: Targeted Post On Change – DATA_ONLY

"On the Person Info card, we want to see the employer's work phone number below the employer field. We want the employer's work phone widget to be read-only and always visible. The users must see the correct employer's work phone number as soon as the value of the employer field is changed. When configuring the dynamic widget behavior, keep in mind to transfer only data to achieve the best UI performance." – Insurance company business analysts

The screenshot shows a web browser window for the 'Guidewire TrainingApp' (http://localhost:8880/ab/ContactManager/do). The main content area is titled 'Details' for 'Person: William Andy'. On the left is a sidebar with links: Actions, Summary, Details (selected), Addresses (1), Notes (0), Social Media, Analysis, Interactions, and History. The main form has tabs at the top: Person Info (selected), Phone & Addresses, Bank Accounts, and Analysis. Under 'Person Info', there is a 'Suggest Insight Score' section and a table for 'Name' with fields: Full Name (William Andy), Prefix (Mr.), First Name (William), Middle Name (), Last Name (Andy), and Suffix (Jr.). To the right of the name table is a 'Employment Info' section with fields: Occupation (Sales manager), Employer (Albertson's), and Employer's Work Phone (4084443639). A yellow callout box highlights the 'Employer's Work Phone' field. At the bottom of the form are sections for 'Tax Info' (Tax ID: *****) and 'License Info' (Driver's License:).

In this lab, you will add a read-only input widget to the ABContactDetailsPersonDV. First, you will configure the widget to display the employer's work phone number for a given person. Next, you will make the necessary configurations so that when the value of the Employer widget changes, the read-only input widget immediately shows the new employer work phone number.

8.2.1 Configuration

1. Add a new input widget

- a) In the ABContactDetailsPersonDV, in the Employment Info section, add a read-only input widget labeled "Employer's Work Phone" that displays the employer's work phone number for a given person

2. Configure targeted Post On Change

- a) Configure the Employer widget's targeted Post On Change properties so that only data is refreshed for the page



8.2.2 Verification

Activity

Verify the work you have done

1. Log in to TrainingApp as Alice Applegate
2. Use the appropriate shortcut to deploy the changes
3. Navigate to William Andy's Details screen
4. Click Edit and change the selection in the Employer field
5. Verify that Employer's Work Phone field changes
6. Click Cancel

8.3 Lab: Advanced targeted Post On Change – layout re-render

"In the interaction popup, the Initiated By Contact, Channel Type, Summary and User fields should be visible only if the Date is set. If the date is not set or the user deletes the date then only the Date and Reason fields should be visible. The four fields should become visible/hidden as soon as the user makes a change to the Date field. Keep in mind performance when implementing this change." – Insurance company business analysts

The screenshot shows the TrainingApp interface. The top navigation bar includes the logo 'TrainingApp', a 'Search' dropdown, and a 'Contact' dropdown. The left sidebar has a dark background with white text, listing 'Summary', 'Details', 'Addresses (3)', 'Notes (5)', 'Social Media', 'Analysis', 'Interactions' (which is highlighted with a blue vertical bar), and 'History'. The main content area has a light gray background. At the top right, it says 'Person: William Andy'. Below that, the title 'Interaction' is centered, with a 'Return to Interactions' button to its right. The interaction details are listed in a grid-like form:

- Date: 09/24/2018 (with a calendar icon)
- InitiatedByContact: Yes (radio button)
- Channel Type: Email (dropdown menu)
- Interaction Summary: Quarterly courtesy contact (text input)
- Reason: <none> (dropdown menu)

In this lab, you will modify the InteractionPopup. First, you will add an input set as a container for several of the existing widgets. Next, you will write an expression for an input set property that shows the widget when there is an InteractionDate value. Then, you will configure targeted Post On Change to re-render the layout and show the widgets in the input set when there is an InteractionDate value.

8.3.1 Investigation

1. View the current widget behavior

- a) Navigate to William Andy
- b) In the sidebar menu, select Interactions
- c) Click Edit and then click Add
- d) Complete the cells for an interaction

- e) Click Update
- f) Click the Summary of the new interaction to open the popup
- g) Complete the blank fields of the interaction

2. Open the PCF to configure in Guidewire Studio

- a) To open a PCF, use ALT + SHIFT + E

8.3.2 Configuration

1. Add a new Input Set widget

- a) In the InteractionPopup, add an Input Set widget below the Interaction Date input widget
- b) Specify the `id` property for the Input Set widget, e.g., `InteractionInputSetID`

2. Move widgets into the Input Set

- a) Move the following widgets into the Input Set:
 - Initiated By Contact
 - Channel Type
 - Summary
 - User

3. Modify an Input Set widget property

- a) Write an expression for the `visible` property to show the Input Set only when there is a value for the Interaction Date field

4. Configure targeted Post On Change

- a) Configure the required targeted Post On Change properties for a widget so that when a date is entered, the Input Set widget immediately becomes visible

8.3.3 Verification



Activity

Add a title and replace icon if needed.

Log in to TrainingApp as Alice Applegate

1. Use the appropriate shortcut to deploy the changes
2. Create an Interaction for William Andy
3. Navigate to William Andy's Details screen
4. In the sidebar menu, select Interactions
5. Click Edit and then click Add
6. Complete the cells for an interaction
7. Click Update
8. Click the Summary of the new interaction to open the popup and verify that all fields are visible
9. Complete the blank fields of the interaction
10. Delete the Interaction Date and click outside of the date field
11. Verify that the once visible fields are now hidden



8.4 Lab Solution: Configure targeted Post On Change – DATA_ONLY



Solution

Exact details on how to complete the lab.

1. In ABContactDetailsPersonDV.pcf, add a new input widget to display the Employer's Work Phone

The screenshot shows the configuration of the ABContactDetailsPersonDV.pcf detail view. The 'Input Column' section is expanded, showing fields for Name (Full Name, Prefix, First Name, Middle Name) and Employment Info (Occupation, Employer). A new input column 'Employer's Work Pho...' is being added, with its reference set to '(anABContact as ABPerson).Employer.WorkPhone'. The 'Text' tab is selected in the bottom navigation bar. In the properties panel, under 'Basic properties', the 'value*' field is set to '(anABContact as ABPerson).Employer.WorkPhone'.

Property	Value
editable	false
id*	EmployersWorkPhone
label	DisplayKey.get("Ext.EmployersWorkPhone")
required	
value*	(anABContact as ABPerson).Employer.WorkPhone

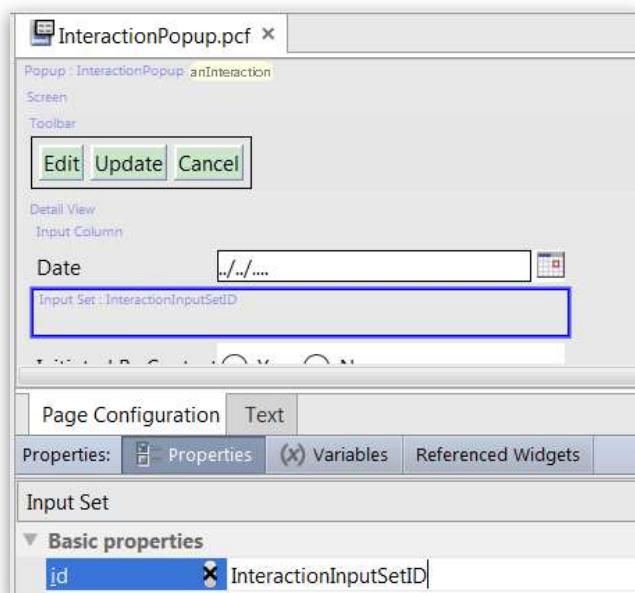
8.5 Lab Solution: Advanced targeted Post On Change – layout re-render



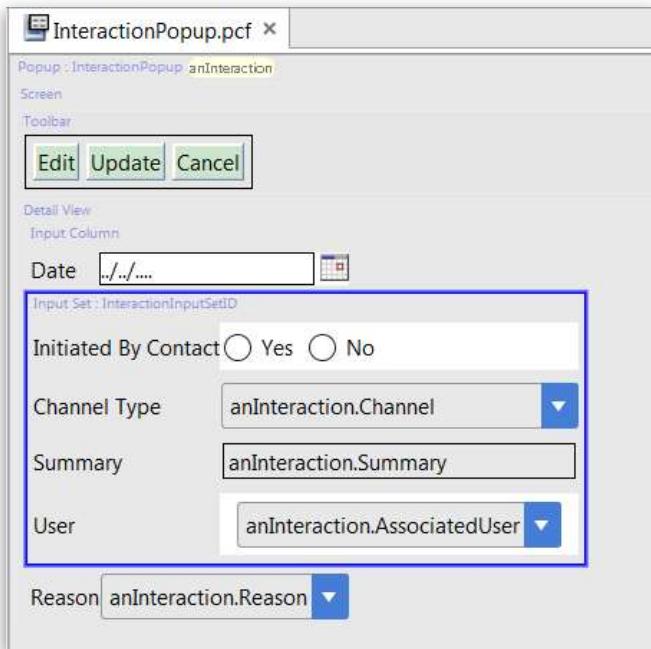
Solution

Exact details on how to complete the lab.

1. Add a new Input Set widget into InteractionPopup under the Interaction Date field and then specify the id property



2. Move input widgets into the Input Set



3. Write an expression for the **visible** property to show the Input Set only when there is a value for the Interaction Date field

The screenshot shows the configuration interface for a screen named "InteractionPopup". The main area displays a form with fields for "Date", "Initiated By Contact" (radio buttons for Yes/No), "Channel Type" (dropdown: "anInteraction.Channel"), "Summary" (dropdown: "anInteraction.Summary"), "User" (dropdown: "anInteraction.AssociatedUser"), and "Reason" (dropdown: "anInteraction.Reason"). Below the form, the "Properties" tab is selected in the "Page Configuration" section. Under the "Input Set" category, the "Basic properties" section shows "id" set to "InteractionInputSetID" and "mode" set to "edit". In the "Advanced properties" section, the "visible" property is configured with the expression: `anInteraction.InteractionDate != null`.

Properties:		Properties	Variables	Referenced Widgets
Input Set				
Basic properties				
id	InteractionInputSetID			
mode				
Advanced properties				
desc				
editable				
hideIfEditable	false			
hideIfReadOnly	false			
visible	<code>anInteraction.InteractionDate != null</code>			

4. Configure targeted Post On Change so that when a date is entered, the Input Set widget immediately becomes visible

