

Lesson 7 Input Sets

"In the data model, the ABContact entity has two fields to store email addresses. However, currently, the UI only displays one email address for companies and none for persons. We want to be able to see and edit both the primary and secondary email addresses. Both email addresses should be displayed on the Summary page and Phone & Addresses card of the contacts." – Insurance company business analysts

In this lab, you will create an Input Set. Next, you will add widgets for a contact's main and alternate email addresses to the Input Set. Then, you will add your Input Set to various PCF files.

The diagram illustrates the creation of an Input Set for managing email addresses. It shows three components:

- Summary Page:** Displays basic contact information like Name, Public ID, and Primary Address. The 'Email Address' field is highlighted.
- Details Page:** Displays phone numbers and primary address details. The 'ZIP Code' field is highlighted.
- Email Addresses Input Set:** A modal window containing fields for 'Main' and 'Alternate' email addresses.

Red arrows indicate the flow of data from the 'Email Address' field on the Summary page and the 'ZIP Code' field on the Details page into the corresponding 'Main' and 'Alternate' fields in the Email Addresses input set.

7.1 Prerequisites

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.

7.2 Lab: Create an Input Set

As a configuration developer, you want to be able to create Input Sets so that you can reuse a set of widgets together and/or control the visibility/editability of the set widgets. In this part of the lab, you will create the reusable EmailAddressInputSet.pcf.

1. Create and configure the EmailAddressInputSet PCF file:

- a) Create the Input Set in the `traininglabs` folder
- b) Specify a root object of the type ABContact
- c) Add the following widgets:
 - Add a label widget that displays “Email Addresses”
 - Add an editable input widget labeled “Main” that displays ABContact’s EmailAddress1 field
 - Add an editable input widget labeled “Alternate” that displays ABContact’s EmailAddress2 field

2. Use Studio’s code generation feature to process the PCF file and generate all the resources

- a) If possible, use incremental code generation
- b) Verify that there were no errors during code generation
 - Verify that you can see generated resources (.gs, .pcf, Expressions.gs)



Hint

Configuring input widgets

Remember, you will have to select a specific input widget based on the data type of the field. You can always use the Data Dictionary, the generated Java class, and the widget reference table to find out the name, database type and Gosu type of the field that needs to be displayed.



Hint

Required variables vs variables

The required variables tab defines the input parameters for a container, while the variables tab defines local variables to store values temporarily. (E.g. storing the result of an expensive function call to use it at multiple places in the PCF)

7.3 Lab: Reference the Input Set

In this lab, you will add the EmailAddressInputSet to various PCF files.

1. Add the EmailAddressInputSet to ABContactSummaryDV

- a) Navigate to ABContactSummaryDV
- b) Add an Input Divider below the Primary Address section in the same Input Column
- c) Reference the EmailAddressInputSet directly below the Input Divider

2. Add the EmailAddressInputSet to ABPersonDetailsPage

- a) Navigate to ABPersonDetailsPage and select the Phone & Addresses card
- b) Reference the EmailAddressInputSet directly below the Primary Address section
- c) Note: Add additional parent containers as needed.

3. Add the EmailAddressInputSet to ABCompanyDetailsPage

- a) Navigate to ABCompanyDetailsPage and select the Phone & Addresses card
- b) Reference the EmailAddressInputSet directly below the Primary Address section
- c) Note: add additional parent containers as needed.



Hint

Add additional parent containers as needed

An Input Set or Input Set Ref cannot be directly added to a secondary container (e.g. Card View). The only container that can contain an Input Set is the Detail View.

7.3.1 Verification



Activity

Verify the work you have done
Log in to TrainingApp as Alice Applegate

- 1. Use the appropriate shortcut to deploy the changes**
- 2. Edit the William Andy contact**
 - a) Navigate to William Andy
 - b) In the Summary, edit the contact
 - c) Enter the Main email for William Andy, e.g., wiliam@guidewire.com
 - d) Enter an Alternate email for William Andy, e.g., wiliam-andy@gudewire.com
 - e) Click update
- 3. View the William Andy contact details**
 - a) In the sidebar menu, click Details
 - b) In Details, click Phone & Addresses
 - c) Verify that you see the email addresses that you entered

Actions

Person: William Andy

Summary**Details**

Addresses (3)

Notes (5)

Social Media**Analysis****Interactions****History****Basics**

Social Media

Analysis

Suggest Least Busy User**Basic Information**

Name William Andy

Public ID ab:5

Assigned User Alice Applegate

Email Address willandy@albertsons.com

Created On 06/19/2018

Primary AddressAddress 345 Fir Lane
La Canada, CA 91352

Address Type Home

Description

Valid Until

Email Addresses

Main willandy@albertsons.com

Alternate wandy245@gmail.com

Actions



Person: William Andy

Summary

Details

Addresses (3)

Notes (5)

Social Media

Analysis

Interactions

History

Details

Person Info

Phone & Addresses

Bank Accounts

Phone Numbers

Primary Phone Mobile

Fax Phone

Home Phone

Work Phone 2096662483

Primary Address

Address 345 Fir Lane
La Canada, CA 91352

Address Type Home

Description

Valid Until

Email Addresses

Main willandy@albertsons.com

Alternate wandy245@gmail.com



7.4 Lab Solution: Create an Input Set

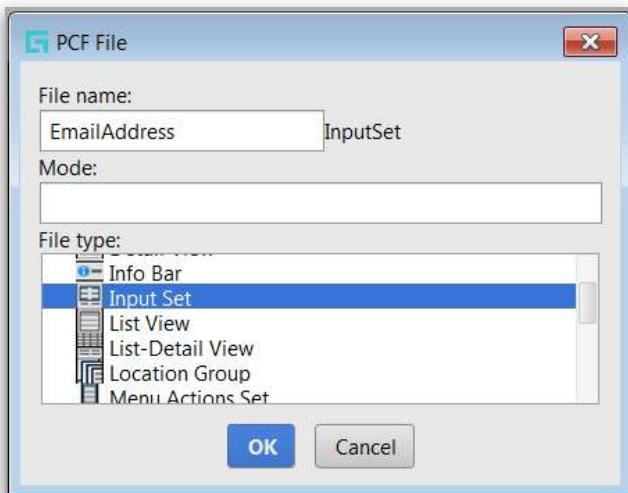


Solution

Exact details on how to complete the lab.

1. **Create traininglabs PCF folder if it doesn't exist**

2. Create the Input Set



3. Specify the root object

The screenshot shows the configuration interface for the "EmailAddressInputSet.pcf" file. The title bar displays the file name. The main area shows the path "Input Set : EmailAddressInput...". Below this is a toolbar with tabs: "Page Configuration" (selected), "Text", "Properties", "Variables", "Referenced Widgets", "Code", and "Required Variables". The "Properties" tab is active. In the "Properties" tab, there is a "Require" section containing a table with two rows. The first row has a cell with a plus sign icon and a minus sign icon, followed by "anABContact". The second row has two cells: the first cell contains "name*" and the second cell contains "anABContact". The third row has two cells: the first cell contains "type*" and the second cell contains "ABContact".

4. Add and configure the label

The screenshot shows the SAP Fiori Launchpad interface. A modal dialog is open for the "EmailAddressInputSet.pcf" page. The title bar says "EmailAddressInputSet.pcf". The main content area is titled "Email Addresses". Below it, there are tabs for "Page Configuration" and "Text". Under "Text", there are buttons for "Properties", "Layout config", "Reflection", and "PostOnChange". The "Properties" button is selected. In the "Label" section, there is a table with two rows. The first row has columns "id" and "label". The "label" column contains the expression "DisplayKey.get("Ext.EmailAddresses")". The entire "label" column is highlighted with a yellow background.

5. Add and configure the Text Input widgets

The screenshot shows the SAP Fiori Launchpad interface. Two modal dialogs are open for the "EmailAddressInputSet.pcf" page. Both dialogs have the title "EmailAddressInputSet.pcf" and the subtitle "Input Set : EmailAddressInputSet anABCContact".
Left Dialog (Main): The title is "Email Addresses". It shows a table with two rows: "Main" and "Alternate". The "Main" row has a "Value" field containing "anABCContact...". Below it, there are tabs for "Page Configuration" and "Text". Under "Text", there are buttons for "Properties", "Layout config", "Reflection", and "PostOnChange". The "Properties" button is selected. In the "Text Input" section, there is a table with four rows under "Basic properties": "editable" (true), "id*" (MainEmailAddress), "label" (DisplayKey.get("Ext.Main")), and "value*" (anABCContact.EmailAddress1).
Right Dialog (Alternate): The title is "Email Addresses". It shows a table with two rows: "Main" and "Alternate". The "Alternate" row has a "Value" field containing "anABCContact...". Below it, there are tabs for "Page Configuration" and "Text". Under "Text", there are buttons for "Properties", "Layout config", "Reflection", and "PostOnChange". The "Properties" button is selected. In the "Text Input" section, there is a table with four rows under "Basic properties": "editable" (true), "id*" (AlternateEmailAddress), "label" (DisplayKey.get("Ext.Alternate")), and "value*" (anABCContact.EmailAddress2).

7.5 Lab Solution: Reference the Input Set



Solution

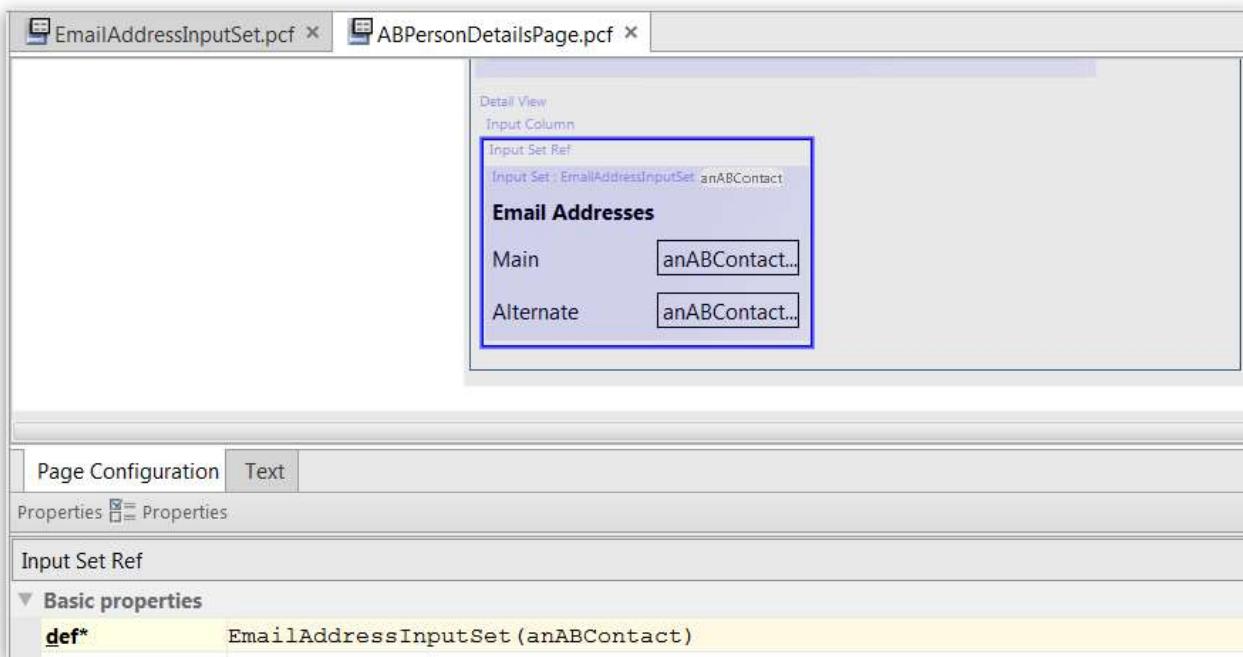
Exact details on how to complete the lab.

1. Open the ABContactSummaryDV
 - a) Add an Input Divider
 - b) Add and configure the Input Set Ref widget

The screenshot shows the 'ABContactSummaryDV.pcf' page configuration interface. At the top, there are tabs for 'EmailAddressInputSet.pcf' and 'ABContactSummaryDV.pcf'. Below the tabs, there's a 'Description' section with a 'Valid Until' field containing a date picker. A blue box highlights the 'Input Set Ref' section, which contains the code: 'Input Set: EmailAddressInputSet anABContact'. Below this, there's a 'Email Addresses' section with 'Main' and 'Alternate' fields, each with a 'anABContact...' button. Further down, there are 'Page Configuration' and 'Text' tabs, followed by a 'Properties' section. At the bottom, there's an 'Input Set Ref' section with a 'Basic properties' panel showing a 'def*' field with the value 'EmailAddressInputSet (anABContact)'.

2. Navigate to the Phone & Addresses card of the ABPersonDetailsPage. Then add and configure the InputSetRef widget.

Note: Ensure you add an InputSetRef from the InputLayout category and not an Input Set Ref from the Detail View Tile category. You can check you've used the correct PCF element by highlighting the element and looking in the text tab to ensure it shows as `<InputSetRef>` and not `<TileInputSetRef>`.



3. Navigate to the Phone & Addresses card of the ABCompanyDetailsPage. Then add and configure the InputSetRef widget.

