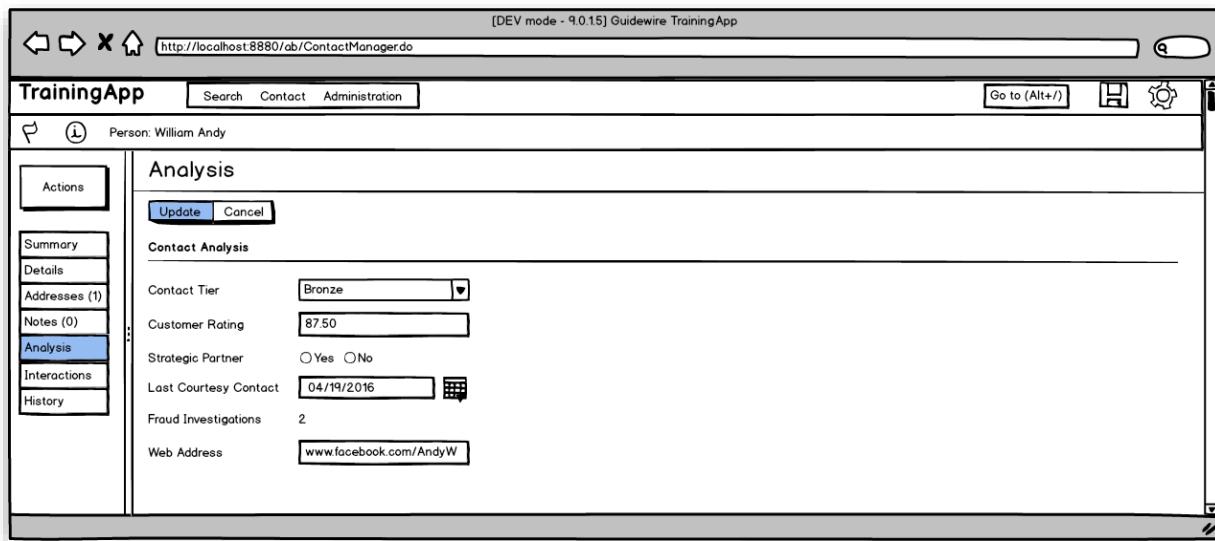


## Lesson 6 Detail Views

In the *Extending Base Application Entities* lesson, we made certain data model changes to collect additional analytical information about the contact; and in the *Atomic Widgets* lessons we configured the Analysis tab to display those fields, so the users can view and edit them.

The screenshot shows the TrainingApp application interface. At the top, there is a header with the logo 'TrainingApp', a search bar, and a contact dropdown. To the right of the header are icons for edit, settings, and a 'Go to (Alt+/' button. Below the header is a sidebar on the left containing links: Actions, Summary, Details, Addresses (3), Notes (5), Social Media, Analysis, Interactions, and History. The main content area is titled 'Summary' and shows a contact record for 'Person: William Andy'. On the right side of the summary panel are 'Update' and 'Cancel' buttons. Below the title, there is a tab navigation bar with 'Basics', 'Social Media', and 'Analysis' tabs, where 'Analysis' is currently selected. The analysis section contains several form fields: 'ContactTier' (dropdown menu showing '<none>'), 'CustomerRating' (text input field), 'IsStrategicPartner' (radio buttons for 'Yes' and 'No'), 'LastCourtesyContact' (date input field with a calendar icon), 'Fraud Investigations' (text input field), and 'WebAddress' (text input field). The overall layout is clean and modern, typical of a web-based application.

We received the following message from the Business Analysts: “*The Analysis tab on the Summary screen looks great. Nice job! We did some further analysis and concluded that we want to see the same UI screen layout when we navigate to the Analysis link in the sidebar too. (See wireframe below.) Please note that this functionality will be most likely extended in the future. If that happens, the UI layout must change at both places the same way.*”



In this module, you will create a reusable Detail View Panel. Next, you will move widgets from an existing PCF file that you modified in a previous lab to your new file. You will then reference your Detail View Panel in various PCF files. Last, you will add a Toolbar with Edit Buttons to make the Analysis page editable.

## 6.1 Prerequisites

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

- Extending Base Application Entities
- Atomic Widgets

For this exercise, 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.

## 6.2 Lab: Reusable Detail View Panel

As a configuration developer, you want to create a reusable Detail View Panel and reference it from different PCF files.

### 6.2.1 Create the reusable Detail View Panel

#### 1. Open Guidewire Studio

- a) From the TrainingApp folder, open a command window and start Guidewire Studio for TrainingApp. Note: Alternatively, use the Start TrainingApp Studio shortcut.
- 2. Run or Debug the TrainingApp project**
  - a) Use the main menu, toolbar, or keystroke to run or Debug the server.
  - b) Verify that the Run or Debug Console tab shows \*\*\*\*\* ContactManager ready \*\*\*\*\*.
- 3. Create the traininglabs PCF Folder if it doesn't exist already**
  - a) In the Project View, select the pcf folder.
  - b) Create a new PCF Folder named `traininglabs` (one word, no spaces).
- 4. Create the ABContactAnalysisDV PCF file**
  - a) Create the detail view panel PCF in the traininglabs PCF folder. Remember: You should enter `ABContactAnalysis` only as the name, because Studio automatically adds the DV suffix if you select Detail View Panel as the PCF file type.
  - b) Specify a root object of the type `ABContact`. Follow the recommended practice to name your variable. Remember: Use the Required variables tab. (No need to use the Variables tab for this exercise)
- 5. Navigate to the Analysis tab in ABContactSummaryCV.pcf**

Note: This is the PCF file that you modified in the previous exercise.

  - a) Cut the whole Input Column - containing all the widgets - from the Analysis tab and paste it in the `ABContactAnalysisDV` that you created in the previous step.



### 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.)

## 6.2.2 Reference the new Detail View Panel on the Summary screen's Analysis Card

- 1. Go back to ABContactSummaryCV.pcf**
  - a) Delete the existing inline Detail Panel Widget.
- 2. Add a PanelRef widget**
  - a) In the Toolbox, select the PanelRef widget.
  - b) Add the Panel Ref widget to the AnalysisCard in the ABContactSummaryCV.

### 3. Configure the PanelRef widget

- Reference the ABContactAnalysisDV in the Panel Ref.



#### Hint

##### Panel Ref

Include a panel (such as a DetailView, ListView, PanelSet or CardView, etc.) and (optionally) supply it with title, toolbar or instructional text. The `def` property must be configured using the following format:

```
NameOfThePanelToBeIncluded( argument1, argument2, ... )
```

The number of arguments depends on the number of required variables the included panel has.

## 6.2.3 Reference the new Detail View Panel on the Analysis page

### 1. Navigate to ABContactAnalysisPage.pcf

- Delete the existing inline Detail Panel Widget.

### 2. Add a PanelRef widget

- In the Toolbox, select the PanelRef widget.
- Add the Panel Ref widget to the ABContactAnalysisPage.

### 3. Configure the PanelRef widget

- Reference the ABContactAnalysisDV in the Panel Ref.

## 6.2.4 Verification



#### Activity

Verify the work you have done

### 1. Log in to TrainingApp

- Log in as Alice Applegate.

### 2. Reload the PCF changes

- In TrainingApp, reload the changes to the PCF file(s).

### 3. View the Analysis card for William Andy

- Search for William Andy.

- b) In the search results list view, navigate to the William Andy contact.
- c) Click the Analysis card tab.
- d) Verify that you see the Contact Analysis detail view panel.

The screenshot shows the TrainingApp interface. At the top, there is a navigation bar with a logo, the text "TrainingApp", a "Search" dropdown, and a "Contact" dropdown. Below the navigation bar is a sidebar menu on the left with the following options: Actions, Summary (selected), Details, Addresses (3), Notes (5), Social Media, Analysis (selected), Interactions, and History. On the right side, the main content area is titled "Person: William Andy" and "Summary". Below the title, there is a tab bar with three tabs: Basics, Social Media, and Analysis (the latter is highlighted in blue). The main content area is titled "Contact Analysis" and contains several input fields and controls:

- ContactTier: A dropdown menu showing "<none>"
- CustomerRating: An empty input field
- IsStrategicPartner: A radio button group where the "Yes" option is selected
- LastCourtesyContact: A date input field showing "09/25/2018" with a calendar icon next to it
- Fraud Investigations: An empty input field
- WebAddress: An empty input field

#### 4. View the Analysis page for William Andy

- a) In the sidebar menu, click Analysis.
- b) Verify that you see the Contact Analysis detail view panel.

The screenshot shows the TrainingApp interface. At the top, there is a navigation bar with the logo 'TrainingApp', a 'Search' dropdown, and a 'Contact' dropdown. On the left, a vertical sidebar lists several tabs: 'Actions' (highlighted in green), 'Summary', 'Details', 'Addresses (3)', 'Notes (5)', 'Social Media', 'Analysis' (highlighted in blue), 'Interactions', and 'History'. The main content area is titled 'Person: William Andy' and has a sub-section titled 'Analysis'. Under 'Analysis', there are several items listed: 'Contact Analysis', 'Contact Tier', 'Customer Rating', 'Is Strategic Partner?', 'Last Courtesy Contact', and 'Web Address'.

Icon for stop, consisting of two crossed flags marking the end of a lab.



## 6.3 Lab: Toolbar and edit buttons

As a configuration developer, you want to create a toolbar with edit buttons so that end users can view, update, and create object data in the application UI.

1. **Navigate to ABContactAnalysisPage**
2. **Add a Toolbar with Edit Buttons**
  - a) In the canvas, add a Toolbar with Edit Buttons (Edit|Update|Cancel) to the top-level container widget.

### 6.3.1 Verification



#### Activity

Verify the work you have done

- 1. Log in to TrainingApp**
  - a) Log in as Alice Applegate.
- 2. Reload the PCF changes**
  - a) In TrainingApp, reload the PCF file changes.
- 3. Edit the Analysis page for William Andy**
  - a) Search for William Andy and select the search result.
  - b) In the sidebar menu, click Analysis.
  - c) Edit the Contact Analysis details for William Andy. Fraud Investigations should not be editable.
  - d) Click Update.

### 6.4 Lab: Write it down

1. **Question:** In the sidebar menu, click Summary for the William Andy contact. Next, select the Analysis card. Click Edit. Why is it possible to edit the Contact Analysis details on the Summary page?

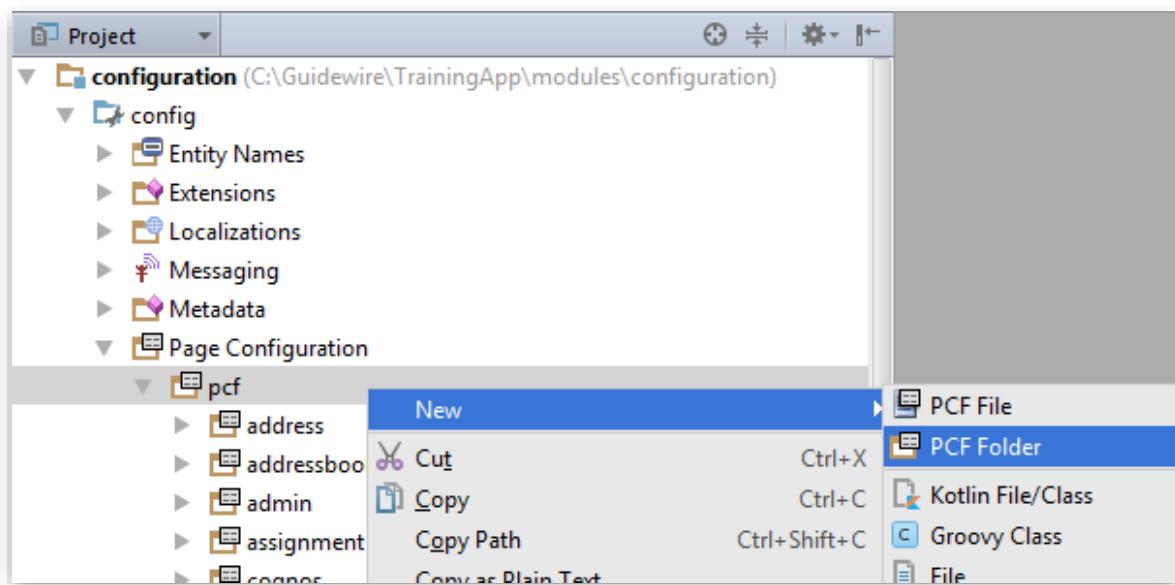


Stop

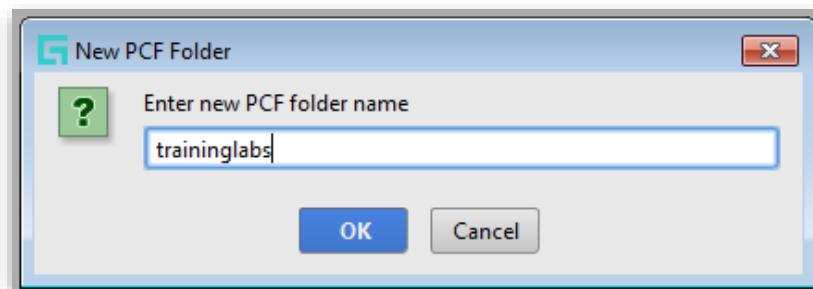
## 6.5 Lab Solution: Reusable Detail View Panel



1. Open Guidewire Studio
  - a) See the Introduction to Guidewire Configuration lesson, if needed
2. Run or Debug the TrainingApp project
  - a) See the Introduction to Guidewire Configuration lesson, if needed.
3. Create the traininglabs PCF Folder if it doesn't exist already
  - a) Right click on the pcf node and select New → PCF Folder from the context menu.

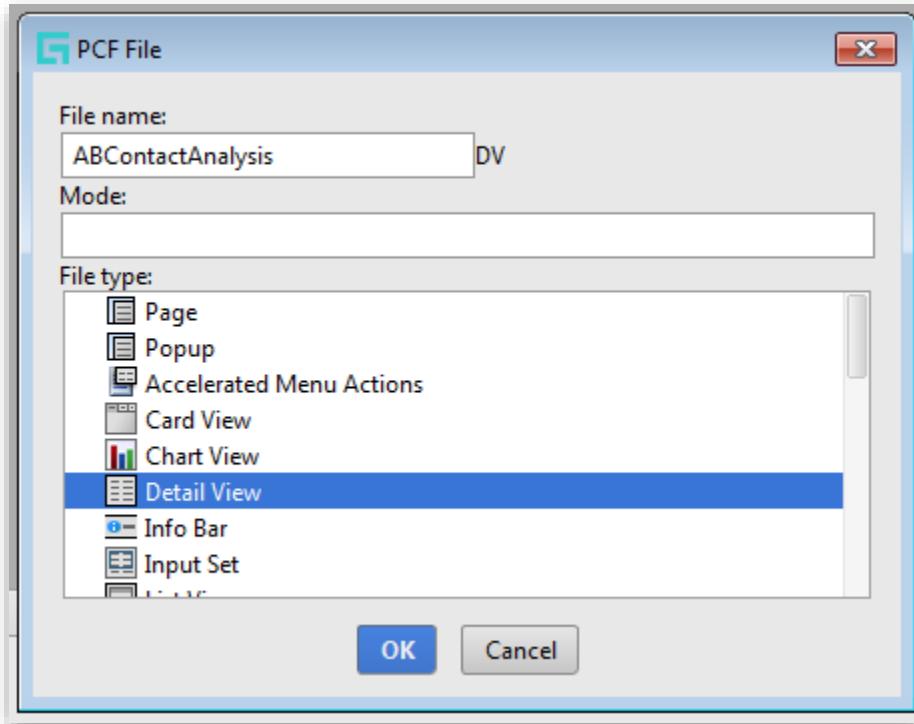


4. Enter the traininglabs name in the popup – no spaces



## 5. Create the ABContactAnalysisDV PCF file

- a) Right click on the training labs folder and select New → PCF File from the context menu. Specify the file name and select the file type.



- b) Specify a root object of the type ABContact.

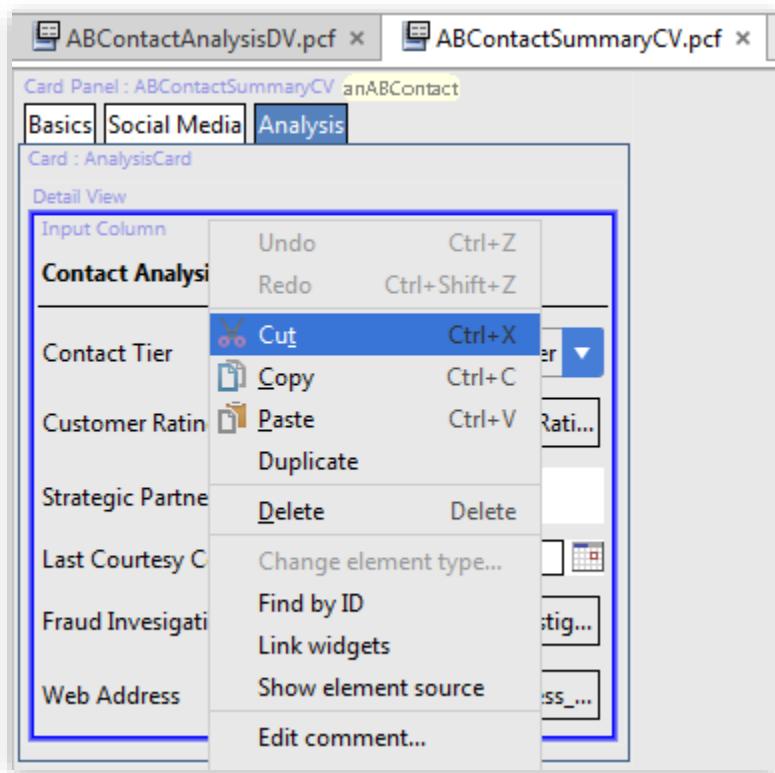
The screenshot shows the "ABContactAnalysisDV.pcf" page configuration editor. The title bar says "ABContactAnalysisDV.pcf". The main area is a large red placeholder. The bottom panel has tabs: Page Configuration, Text, Properties, Variables, Layout, Referenced Widgets, Code, Required Variables, and Exposes. The "Required Variables" tab is selected. It shows a table with two rows:

	Require
name*	anABContact
type*	ABContact

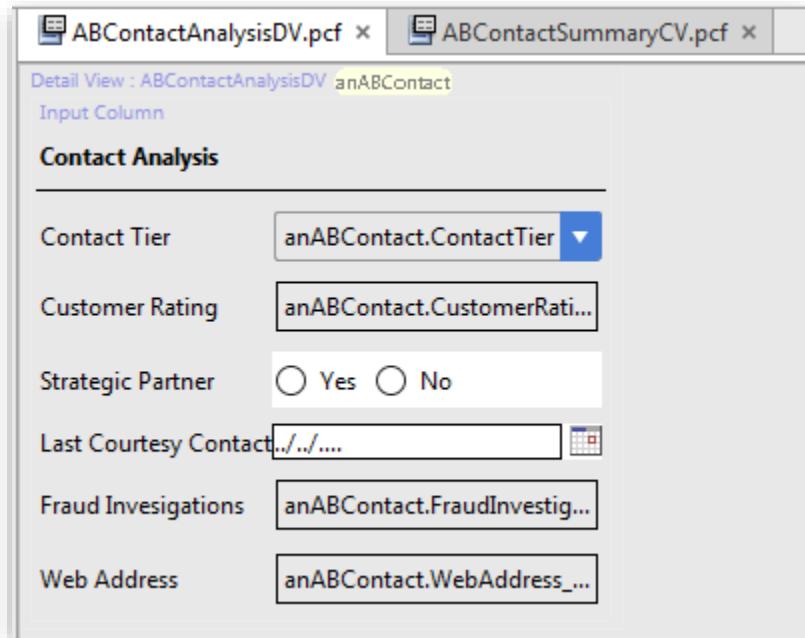
The "anABContact" row is highlighted with a yellow background.

## 6. Navigate to the Analysis tab in ABContactSummaryCV.pcf

- a) Cut the whole Input Column - containing all the widgets - from the Analysis tab...



- b) ...and paste it in the ABContactAnalysisDV that you created in the previous step.

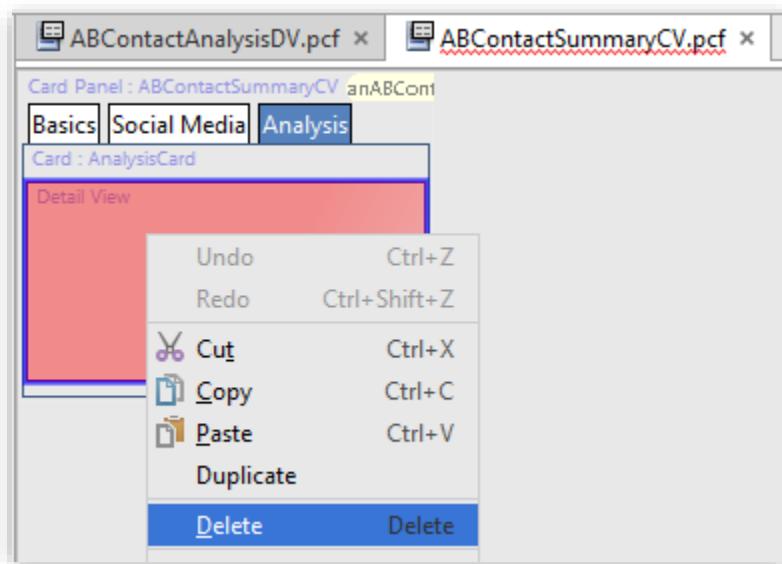


## 6.6 Lab Solution: Reference the new Detail View Panel on the Summary screen's Analysis Card



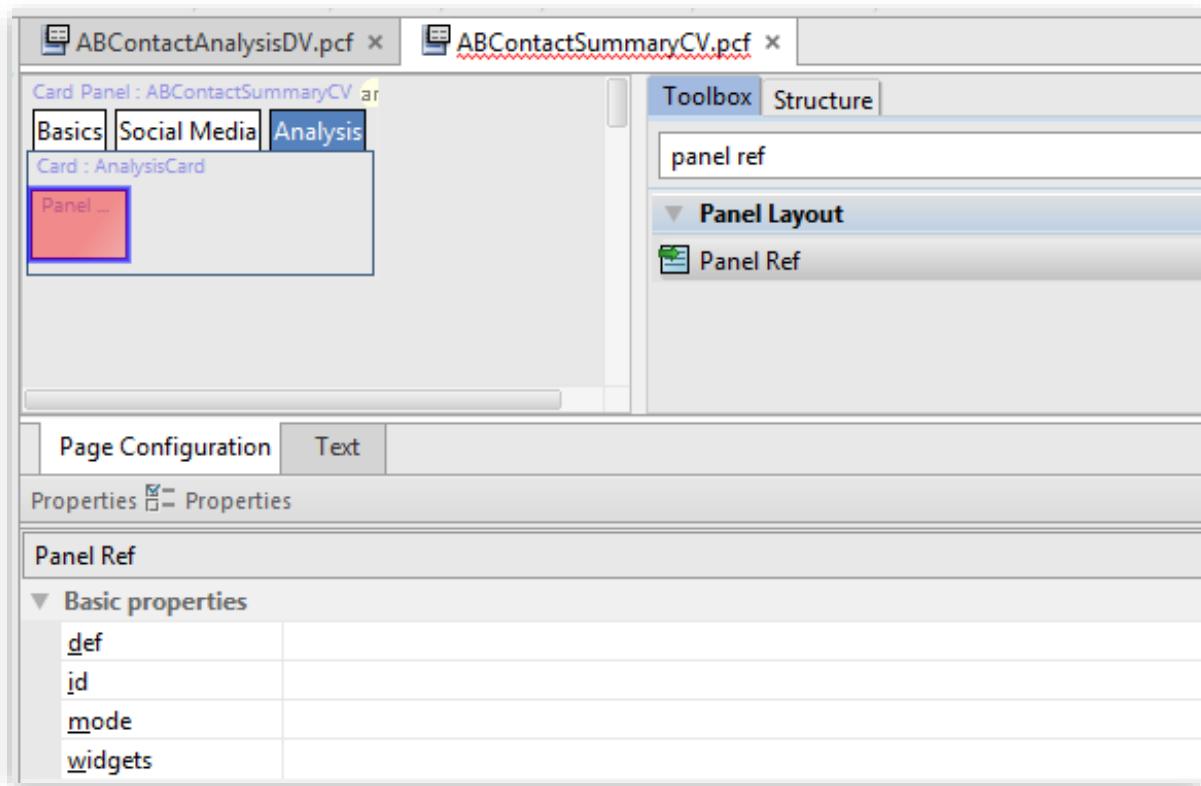
### 1. Go back to ABContactSummaryCV.pcf

- Delete the existing inline Detail Panel Widget



### 2. Add a PanelRef widget

- In the Toolbox, select the PanelRef widget.
- Add the Panel Ref widget to the AnalysisCard in the ABContactSummaryCV.



### 3. Configure the PanelRef widget

- Reference the ABContactAnalysisDV in the Panel Ref.

ABContactAnalysisDV.pcf    ABContactSummaryCV.pcf

Card Panel : ABContactSummaryCV anABContact

Basics Social Media Analysis

Card : AnalysisCard

Panel Ref

Detail View : ABContactAnalysisDV anABContact

Input Column

Contact Analysis

Contact Tier anABContact.ContactTier

Customer Rating anABContact.CustomerRati...

Strategic Partner  Yes  No

Last Courtesy Contact ..../....

Fraud Investigations anABContact.FraudInvestig...

Web Address anABContact.WebAddress\_...

Page Configuration Text

Properties Properties

Panel Ref

Basic properties

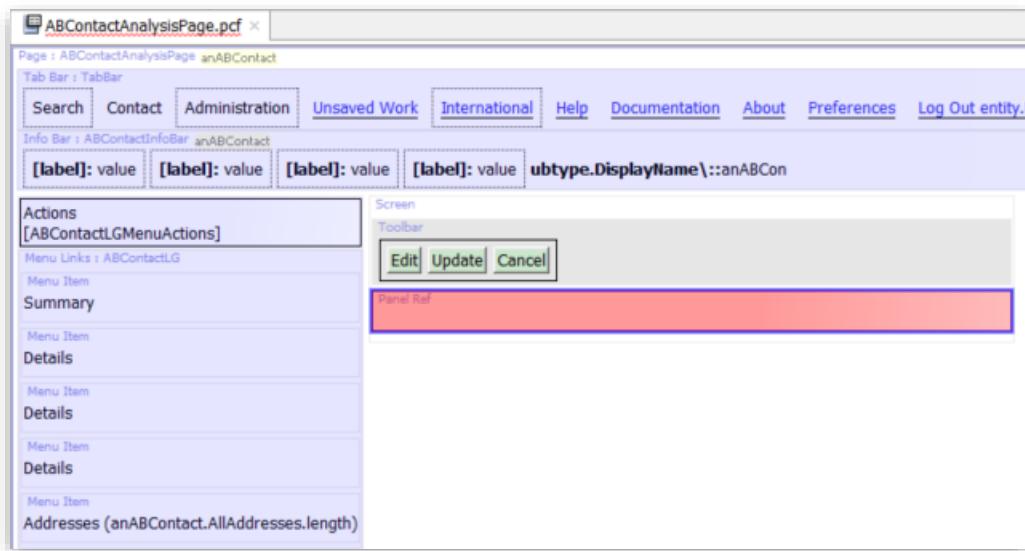
def	ABContactAnalysisDV(anABContact)
id	
mode	
widgets	

## 6.6.1 Solution: Reference the new Detail View Panel on the Analysis page



### Solution

1. **Navigate to ABContactAnalysisPage.pcf**
  - a) Delete the existing inline Detail Panel Widget.
2. **Add a PanelRef widget**
  - a) In the Toolbox, select the PanelRef widget.
  - b) Add the Panel Ref widget to the ABContactAnalysisPage.



3. **Configure the PanelRef widget**
  - a) Reference the ABContactAnalysisDV in the Panel Ref.

The screenshot shows the configuration of the ABContactAnalysisPage.pcf page. The page has a toolbar with tabs for Search, Contact, Administration, International, Help, Documentation, and About. The International tab is selected. The main content area contains a form for 'Contact Analysis' with fields for ContactTier (dropdown), CustomerRating (dropdown), Is Strategic Partner (radio buttons), Last Courtesy Contact (text input), Fraud Investigations (dropdown), and WebAddress (dropdown). To the left of the form is a sidebar with sections for Actions, Summary, Details, Addresses, Notes, Social Media, and Analysis. The Analysis section is expanded, showing a 'Text' tab with properties. The properties for the 'Text' tab include:

Properties:	<input type="checkbox"/> Properties	<input checked="" type="checkbox"/> Variables	<input type="checkbox"/> Entry Points	<input type="checkbox"/> Code
Page				
<input type="checkbox"/> Basic properties				
canEdit	<code>true</code>			
canVisit				
<b>id*</b>	ABContactAnalysisPage			
<b>title*</b>	<code>DisplayKey.get("Training.Analysis")</code>			
<input type="checkbox"/> Advanced properties				

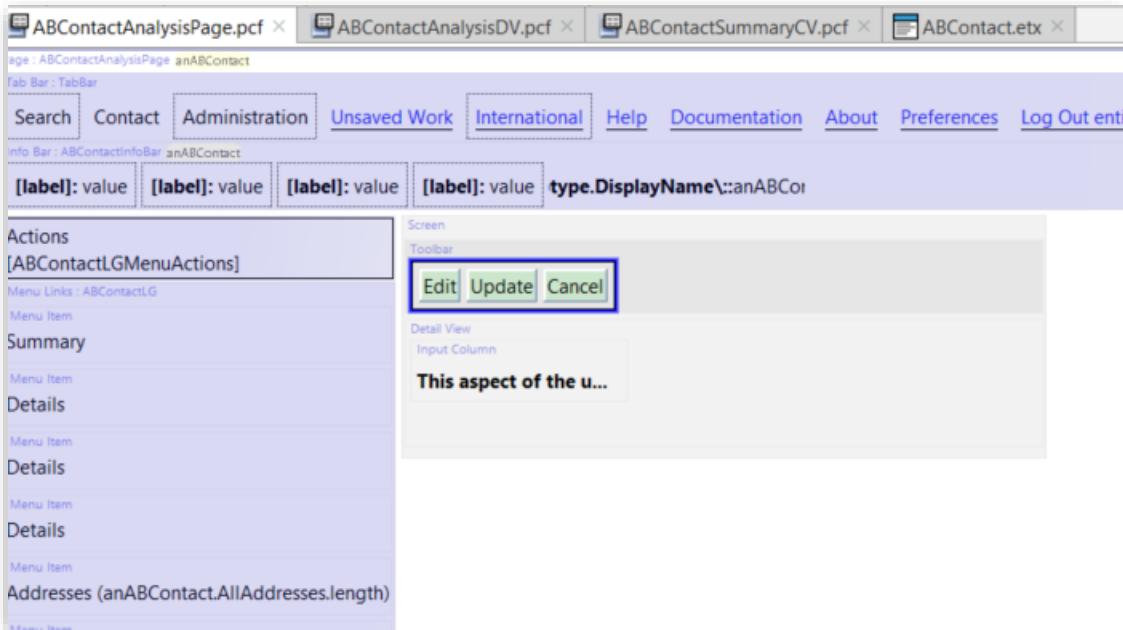
## 6.7 Lab Solution: Toolbar and edit buttons



1. Navigate to ABContactAnalysisPage
2. Add a Toolbar with Edit Buttons
  - a) In the canvas, add a Toolbar



b) Add Edit Buttons



## 6.8 Lab Solution: Write it down



1. **Question: In the sidebar menu, click Summary for the William Andy contact. Next, select the Analysis card.**

- a) Click Edit. Why is it possible to edit the Contact Analysis details on the Summary page?

Because ABContactSummaryScreen in ABContactSummaryPage already has a Toolbar and Edit Buttons.

