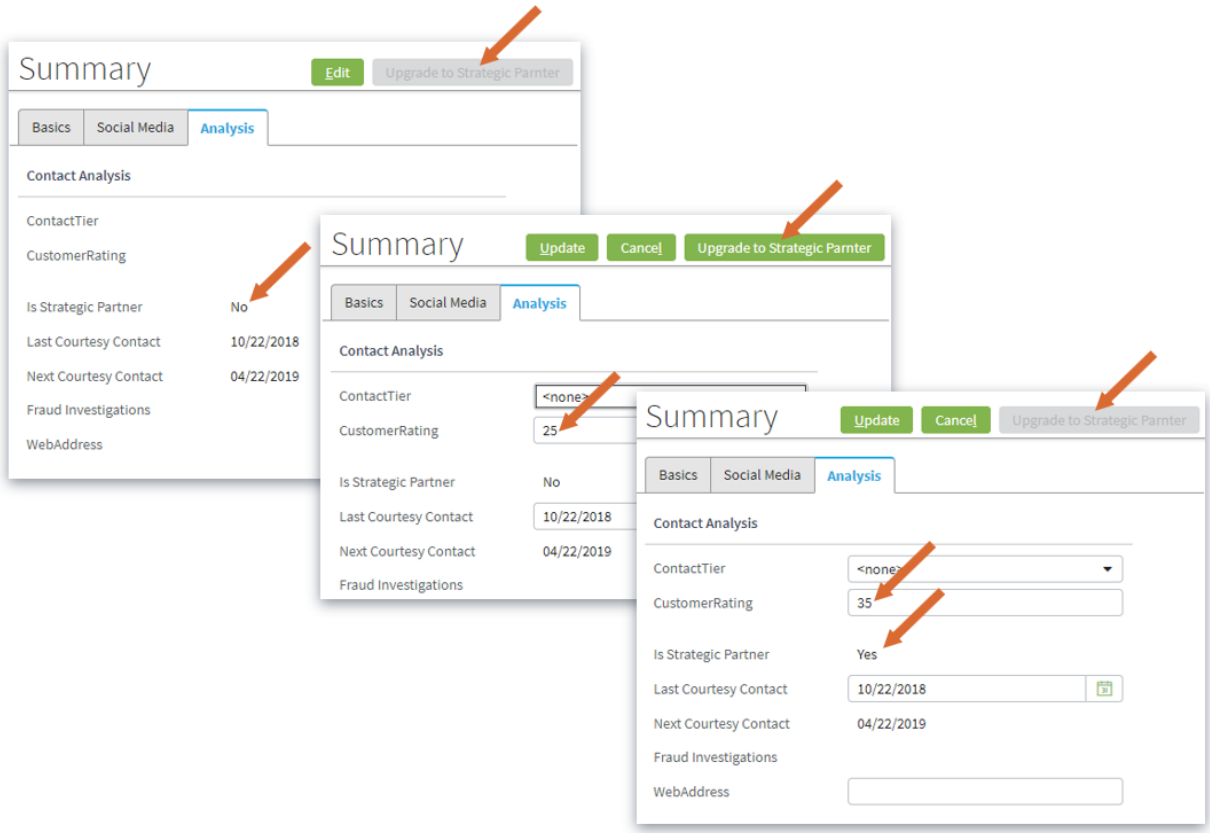
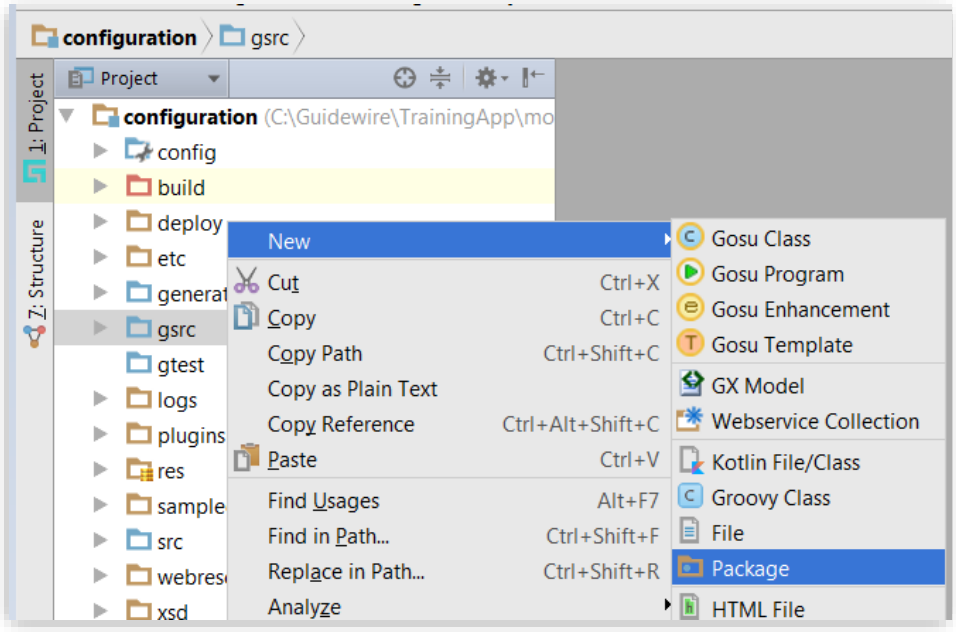


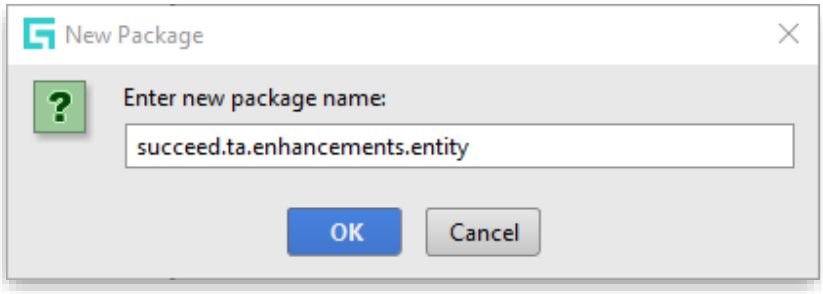
10.3 Lab Solution: Create a new enhancement

Solution

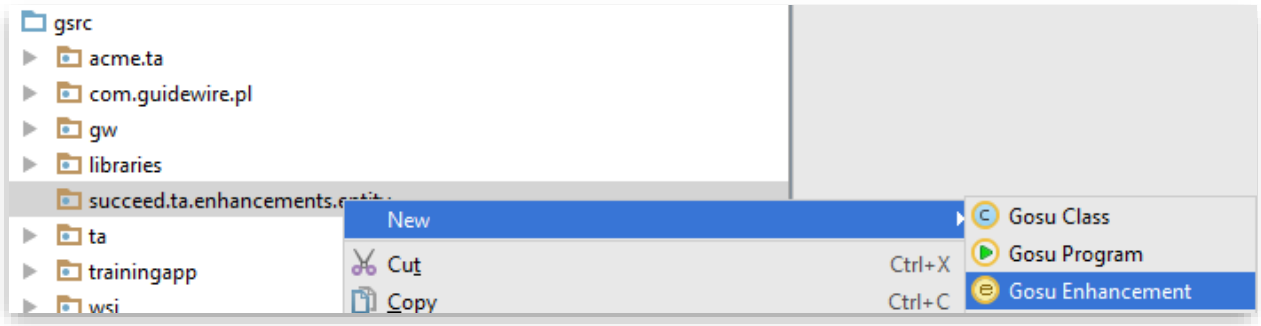
1. **In Guidewire Studio, create the package and the enhancement**

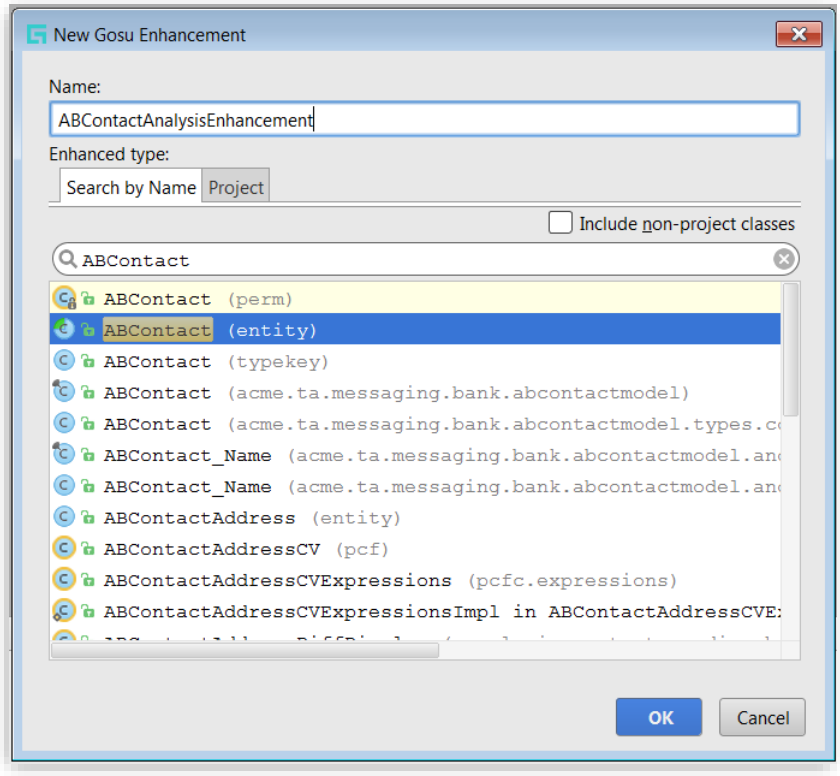
   a) In Guidewire Studio, create a package called `succeed.ta.enhancements.entity`





b) Create an enhancement for the ABContact entity that conveys that this enhancement relates to analysis.





2. Create a getter property named NextCourtesyContact()

a) Create a getter property named NextCourtesyContact() that returns a date that is six (6) months in the future of the Last Courtesy Contact date. If Last Courtesy Contact date is null, then the property must return null.

```
property get NextCourtesyContact() : Date {
  var nextCourtesyDate : Date = null

  if(this.LastCourtesyContact_Ext != null) {
    nextCourtesyDate = this.LastCourtesyContact_Ext.addMonths(6)
  }

  return nextCourtesyDate
}
```

3. Create a method named upgradeToStrategicPartner()

a) Create a method named upgradeToStrategicPartner() that, for a given contact, does the following:

- Sets the IsStrategicPartner_Ext field to true.
- If the value of the CustomerRating_Ext field is null, sets the value to 25.
- If the value of the CustomerRating_Ext field is between 0 and 989.9, increments that value by 10.
- If the value of the CustomerRating_Ext field is more than 989.9, sets the value to 999.9.

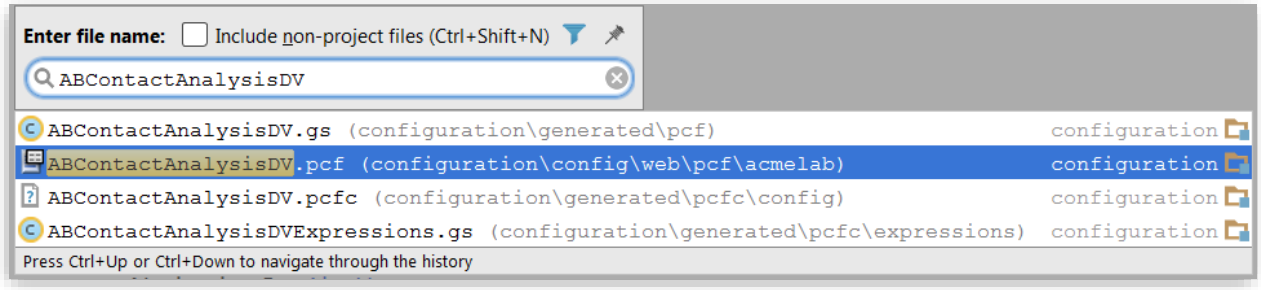
```
function upgradeToStrategicPartner() : void {
  if (this.IsStrategicPartner_Ext != true) {
    this.IsStrategicPartner_Ext = true
  }

  if (this.CustomerRating_Ext == null) {
    this.CustomerRating_Ext = 25
  }  else if (this.CustomerRating_Ext >= 0 and this.CustomerRating_Ext <= 989.9) {
    this.CustomerRating_Ext += 10
  } else {
    this.CustomerRating_Ext = 999.9
  }
}
```

10.3.1 Modify the PCF configuration

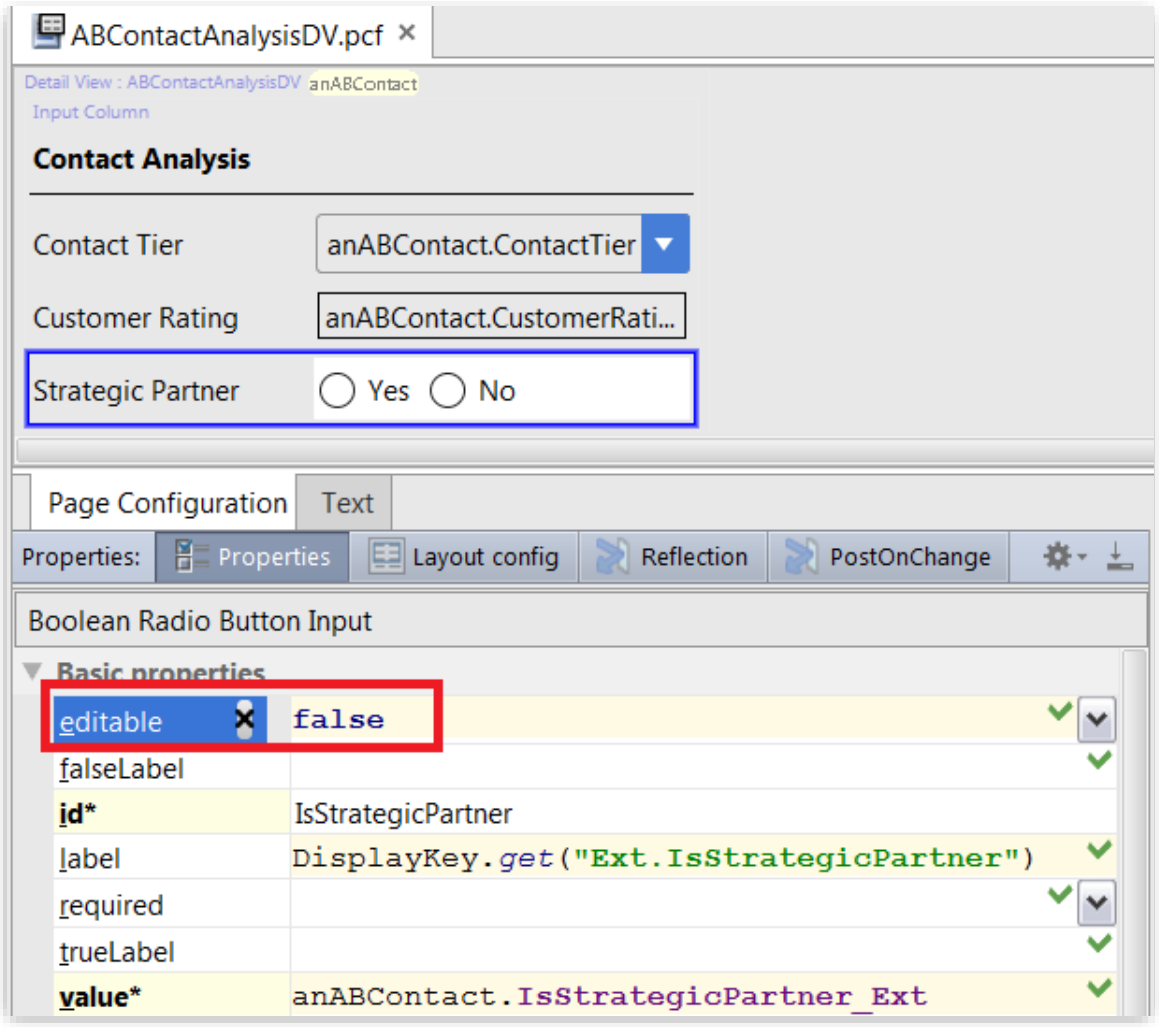
Solution

1. Modify ABContactAnalysisDV

a) In Studio, open ABContactAnalysisDV.pcf. Use `CTRL + SHIFT + N` shortcut in Studio to search for the PCF file:



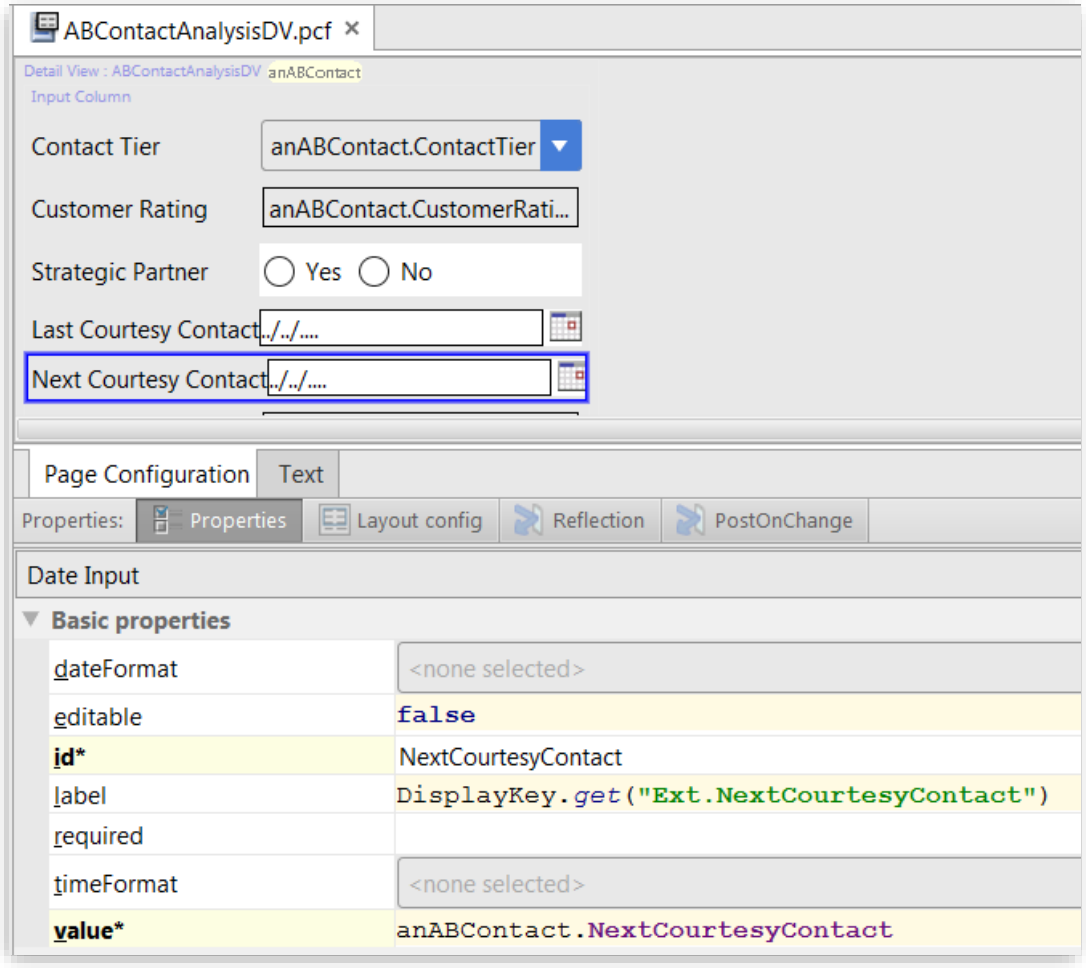
b) Modify the Strategic Partner widget to be read-only.



c) Add the appropriate read-only input widget below Last Courtesy Contact.

d) Create a displaykey for the widget's label property that reads Next Courtesy Contact.

e) Configure the widget to display the enhancement property value.



2. Modify ABContactAnalysisPage

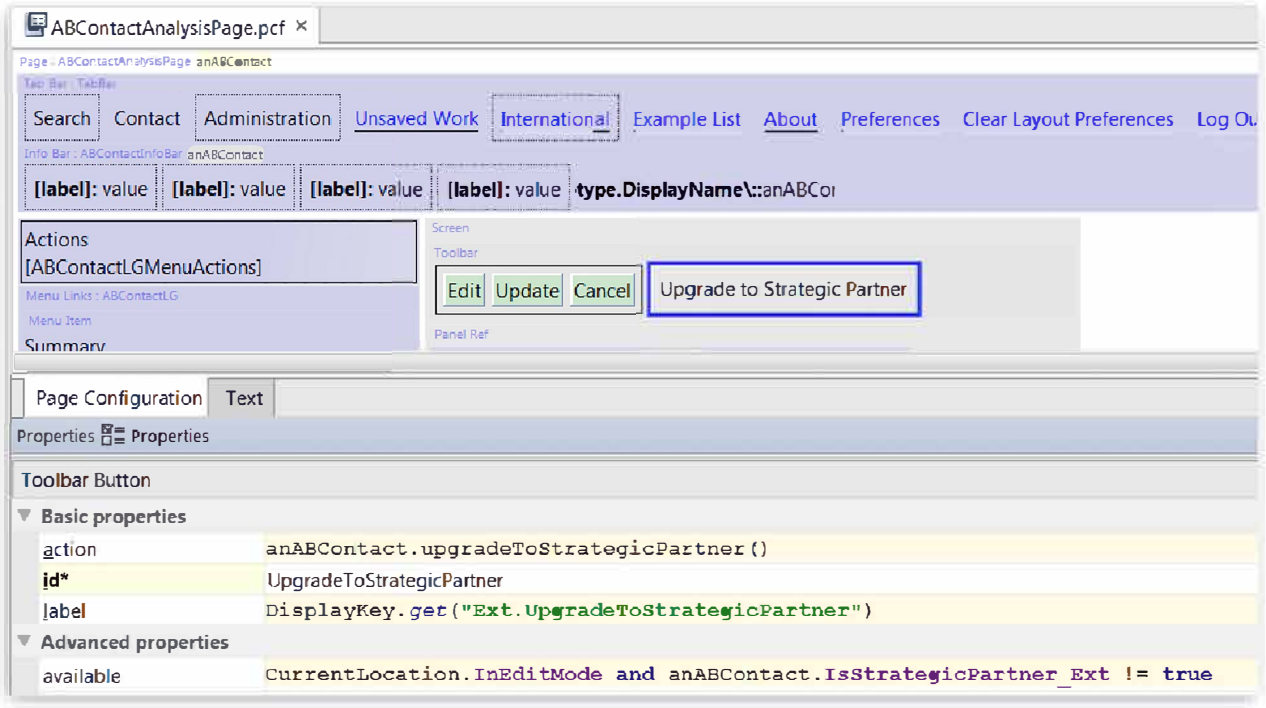
a) In Studio, open ABContactAnalysisPage.pcf.

b) In the existing toolbar, add a toolbar button.

c) Create a displaykey for the button's label property that reads Upgrade to Strategic Partner.

d) Configure the toolbar button so that it calls the upgradeToStrategicPartner() method when clicked.

e) Configure the button so that it is only clickable when the contact is not a strategic partner and when the page is in edit mode.


ABContactAnalysisPage.pcf
Search
Contact
Administration
Unsaved Work
International
Example List
About
Preferences
Clear Layout Preferences
[label]: value
Actions
[ABContactLGMenuActions]
Summary
Edit
Update
Cancel
Upgrade to Strategic Partner
Page Configuration
Text
Properties
Toolbar Button
Basic properties
action
anABContact.upgradeToStrategicPartner()
id*
UpgradeToStrategicPartner
label
DisplayKey.get("Ext.UpgradeToStrategicPartner")
Advanced properties
available
CurrentLocation.InEditMode and anABContact.IsStrategicPartner_Ext != true