OIG 11G R2 Field Enablement Training

Lab 10 - UI Customization - UDF

Disclaimer: The Virtual Machine Image and other software are provided for use only during the workshop. Please note that you are responsible for deleting them from your computers before you leave. If you would like to try out any of the Oracle products, you may download them from the Oracle Technology Network (http://www.oracle.com/technology/index.html) or the Oracle E-Delivery WebSite (http://edelivery.oracle.com)

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1. Introduction

Add a UDF to User and Add UDF to Page

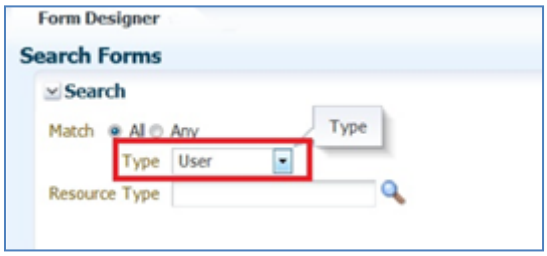
Visibility of Components based on Conditional Logic

[Note: We need to only have OIM server running for this lab. We should bring down Admin Server and SOA server to execute this lab faster.]

2. Add a UDF to User Form Add UDF to Page

General Financial Company has a need to modify the user entity by adding a User Defined Field called "Job Code" of text type and length 30. This attribute of user entity needs to be made searchable, so that a user can be searched by Job Code.

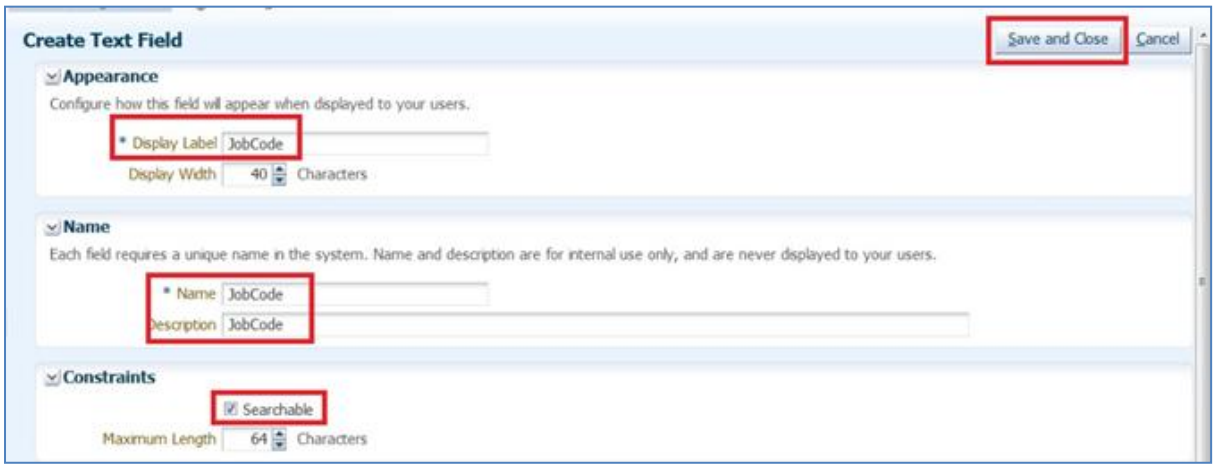
1. Navigate to System Administration Console in a new browser window.
2. Login as ADMIN.
3. Click on the Sandboxes link at the top and create a new Sandbox.
   3.1 Name: UDFCustomization
4. Click Save and Close.
5. Click OK again in the dialog box.
6. Click on Form Designer under the Configuration section.
7. In the search forms page to the right …
   7.1 Choose User for the Type field.



8. Click on Search.
9. Click on User Form.
10. In the Custom section click on the icon to create a custom field.
11. For the Select Field Type dialog box, choose Text.

12. Click OK.

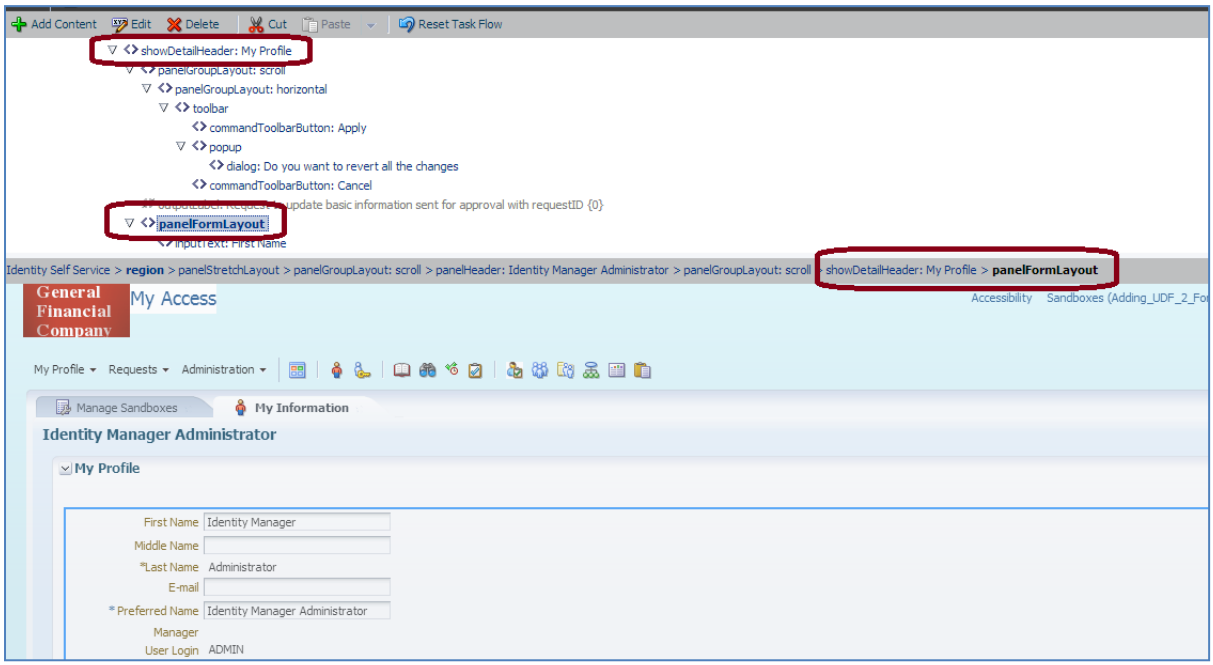
13. Fill the following values for the field.
    - 13.1 Display Label: JobCode
    - 13.2 Name: JobCode
    - 13.3 Description: Job Code
    - 13.4 Constraints: Check Searchable



14. Click on Save And Close.
15. Close all the tabs.
16. Click on the Sandboxes link at the top right corner.
17. Publish the Adding_UDF sandbox. *Accept any warnings*.
18. Sign out.
19. Close the browser window.

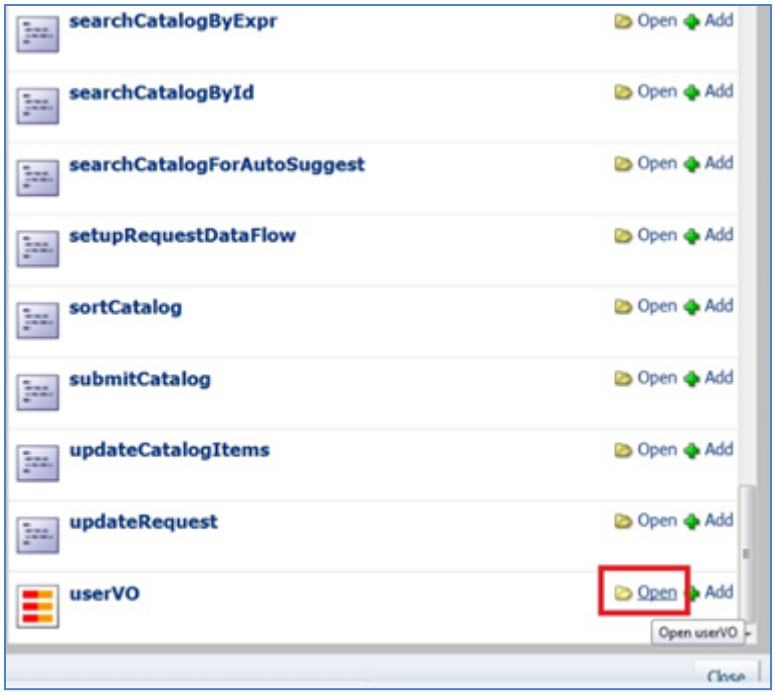
3. Add UDF to Page

1. Open the Identity Self Service Console.
2. Login as ADMIN.
3. Click on the Sandboxes link at the top and create a new Sandbox.
4. Click on Create Sandbox.
   4.1 Name: Adding_UDF_2_Forms_Tables
5. Click Save and Close.
6. Click OK again in the dialog box.
7. Click on My Information under My Profile.
8. Click on Customize at the top.
9. Select View → Source.
10. Click on the My Profile block in the My Information tab.
11. Click on Edit in the dialog box.
12. Scroll down a little bit in the Code Snippet frame and select the panelFormLayout object.



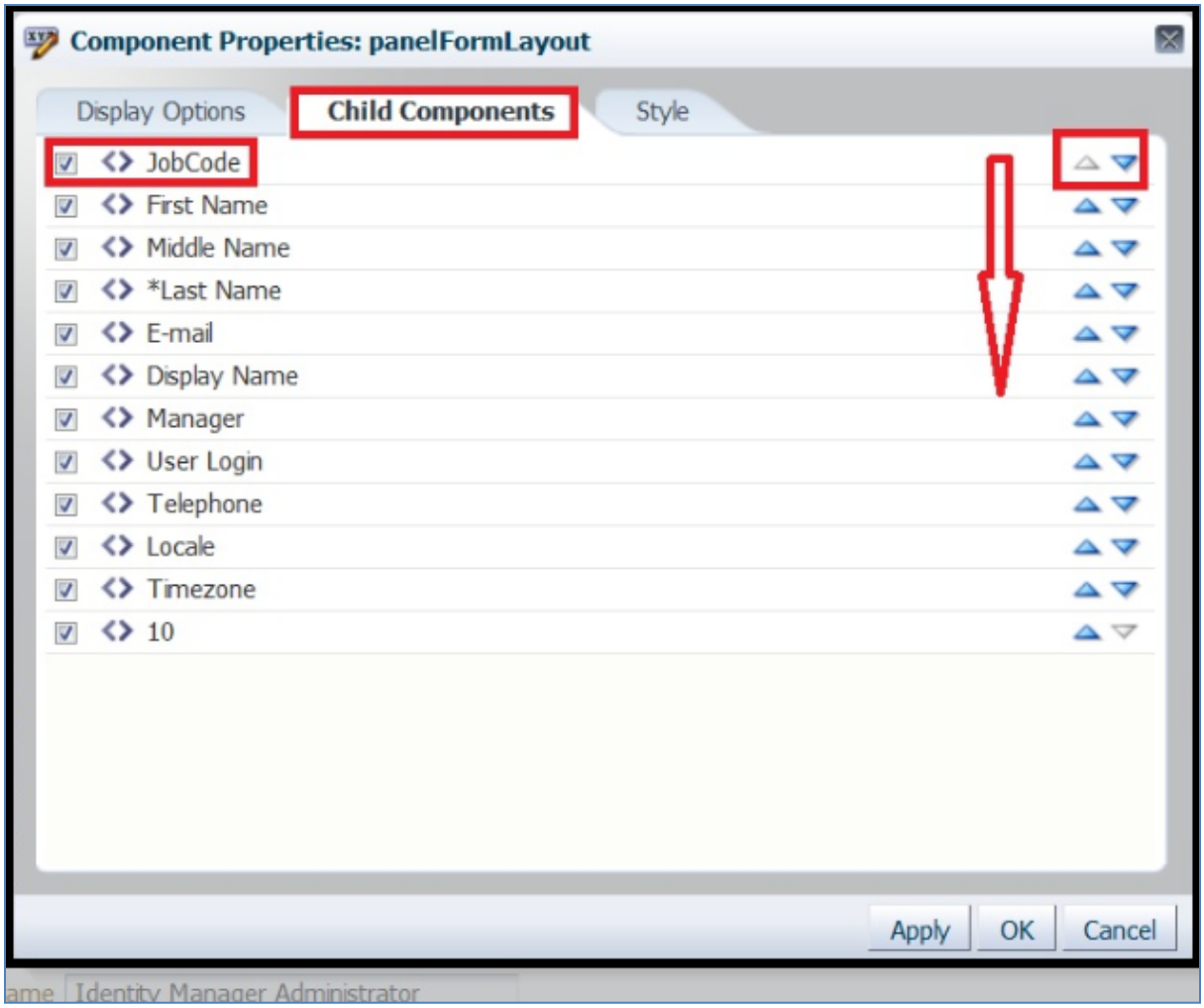
13. Click on

.
14. Search or scroll to find Data Component – My Information.
15. Click on Open.
16. Scroll to find UserVO1.

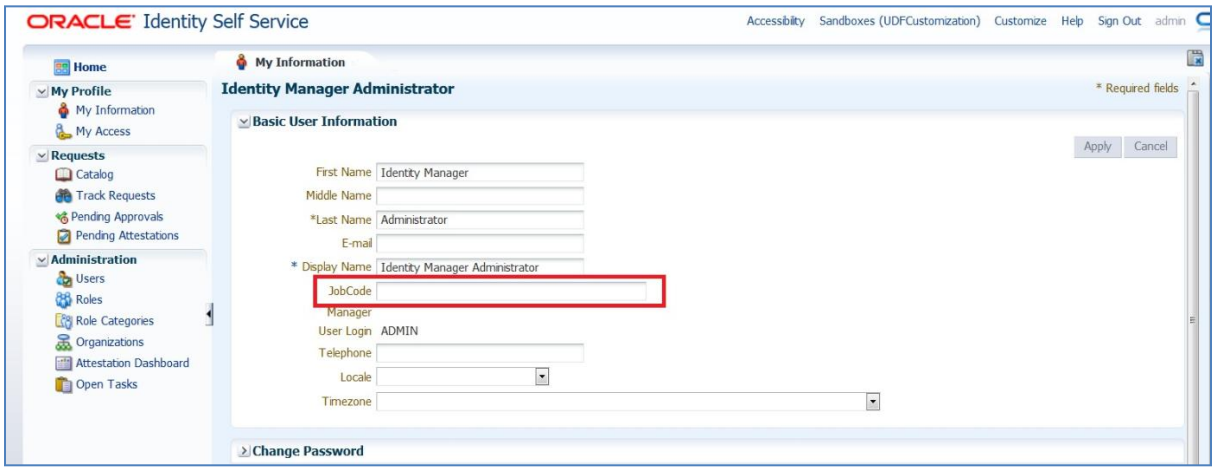


17. Click on Open.
18. Click the Refresh icon to see data.
19. Scroll Down to locate the recent attribute created – JobCode_c.
20. Click on Add.
21. Under the drop down, select ADF Input Text w/ Label as the option.

22. Click Close.
23. In the menu above ensure that the panelFormLayout is selected.
24. From the top menu, click on Edit.
25. Navigate to Child Components tab.



26. Move the JobCode positioning to 6th; i.e. after Preferred Name attribute.
27. Click Apply.
28. Click OK.

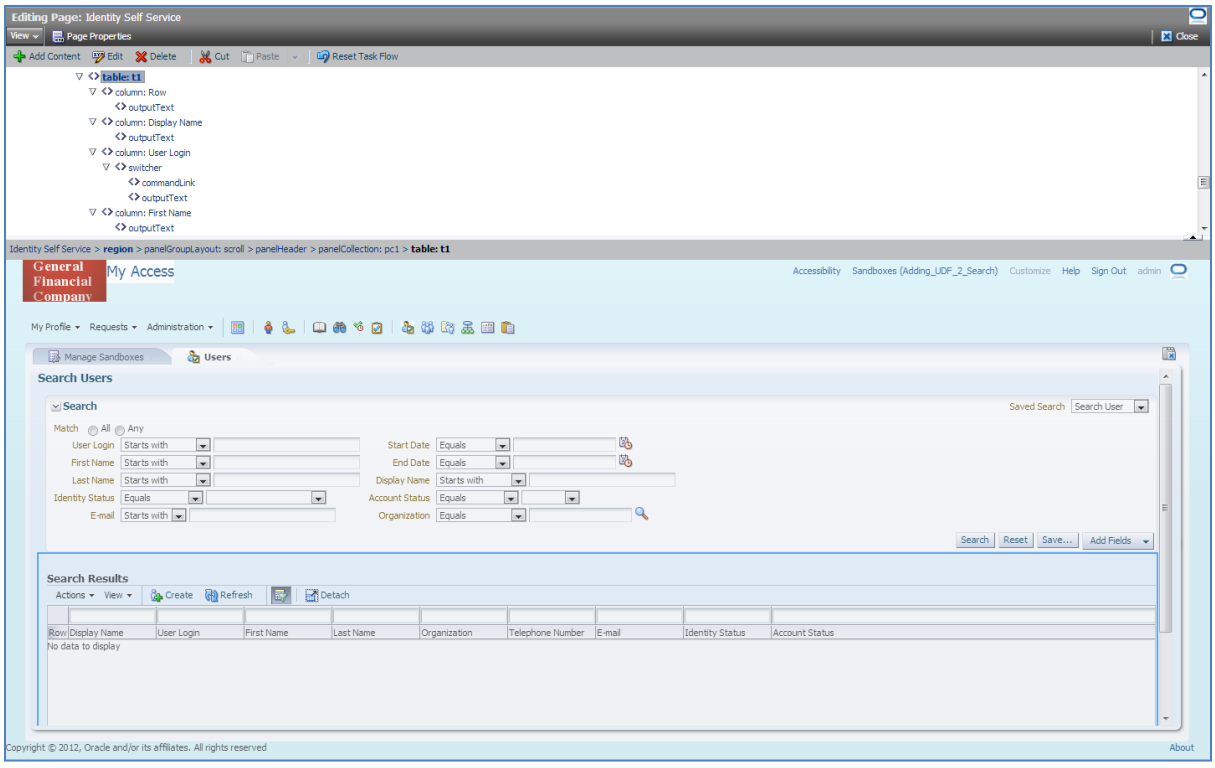


29. Click Close at the top of the page in right corner.
30. Click on the Sandboxes link at the top.

31. In the Manage Sandboxes tab, select the sandbox which you were using.
32. From the menu in the top, click on Publish Sandbox. *Accept all warnings.*
33. Logout as Admin.
34. Close the browser.
35. Open Identity Console in a new browser.
36. Login as RSEID.
37. Open My Information under My Profile. *Have you noticed the new attribute appear?*
38. Logout as RSEID.
39. Close the browser.

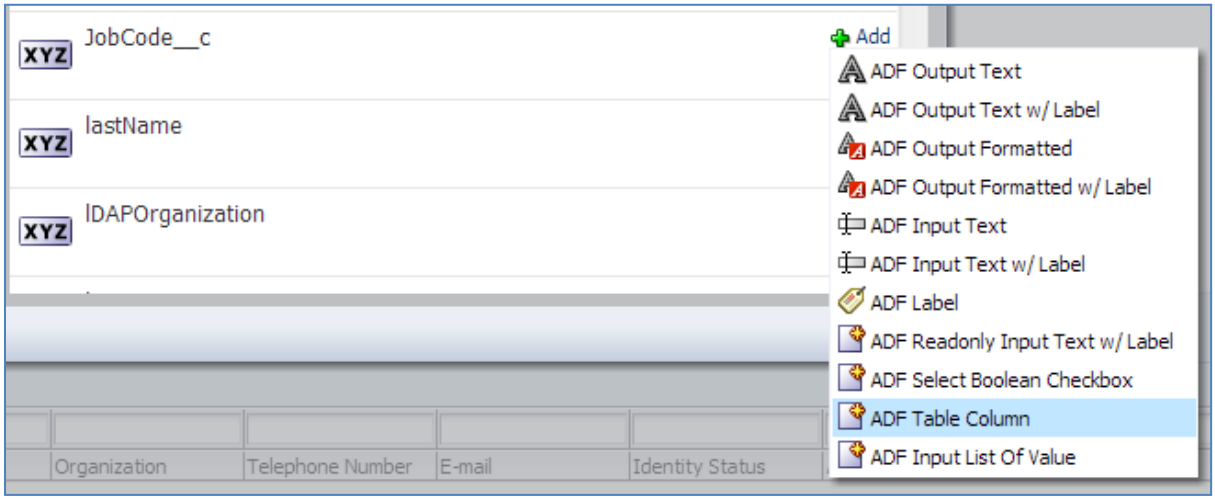
3. Adding the Attribute to the Search Page

1. Open Identity Console in a new browser.
2. Login as ADMIN.
3. Click on the Sandboxes link at the top and create a new Sandbox.
   3.1 Name: Adding_UDF_2_Search
4. Click Save and Close.
5. Click OK again in the dialog box.
6. Navigate to Users under Administration.
7. Click on Customize at the top.
8. Click View by Source in the top menu at the left corner.
9. Click on the search results pane (where there are multiple columns).

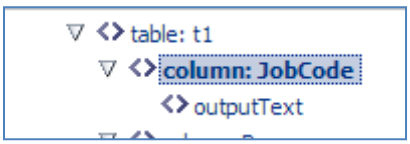


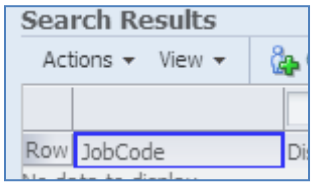
10. Click on Edit in the warning dialog box. The table T1 gets selected.
11. Click on Add Content button while the table T1 entry is selected.
12. Open Data Component – Manage Users.
13. Scroll down to find UserVO1.
14. Click on Open.
15. Refresh to see the list of available items.
16. Scroll down to find JobCode attribute.
17. Click on Add.

18. Choose ADF Table Column as the option.

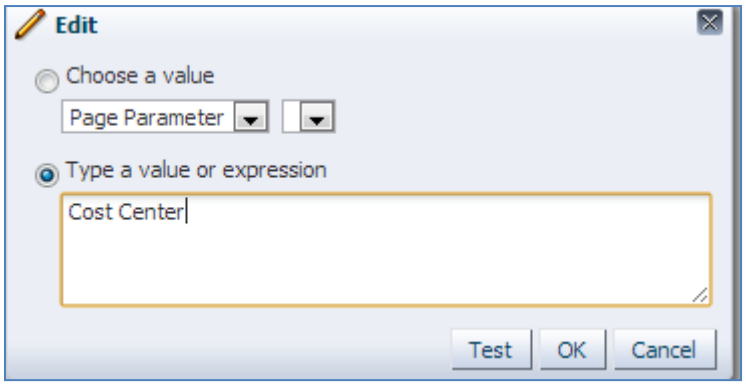


19. Click on the column recently created; ensure that you select the component which should hold the name of the column. (ex: Display name area of the next column)



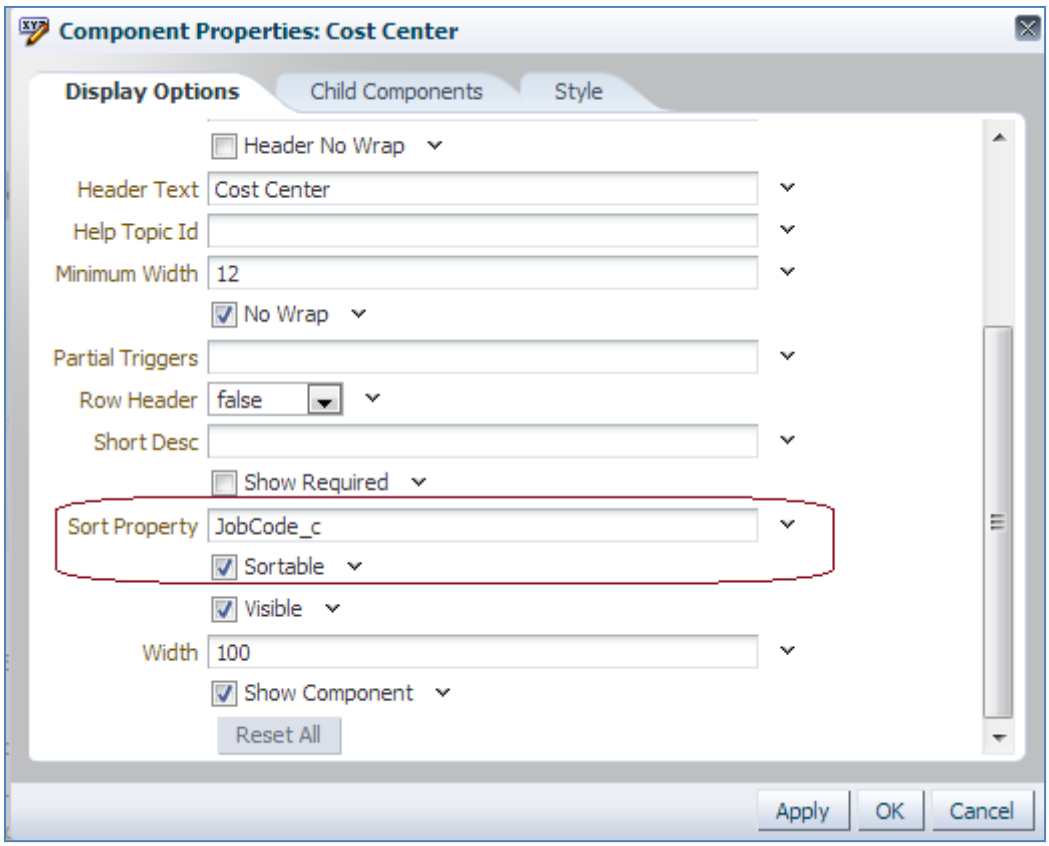


20. Click on Edit.
21. Under the Header Text attribute click on the down arrow button.
22. Choose Expression Builder.
23. Replace the current text with Cost Center.



24. Click Test.
25. Click OK.

26. Tick the checkbox next to the option, Filterable.
27. Tick the checkbox next to the option, Sortable.
28. For the Sort Property provide the value as JobCode_c. *the above three settings make the column have a new search box at the top*.

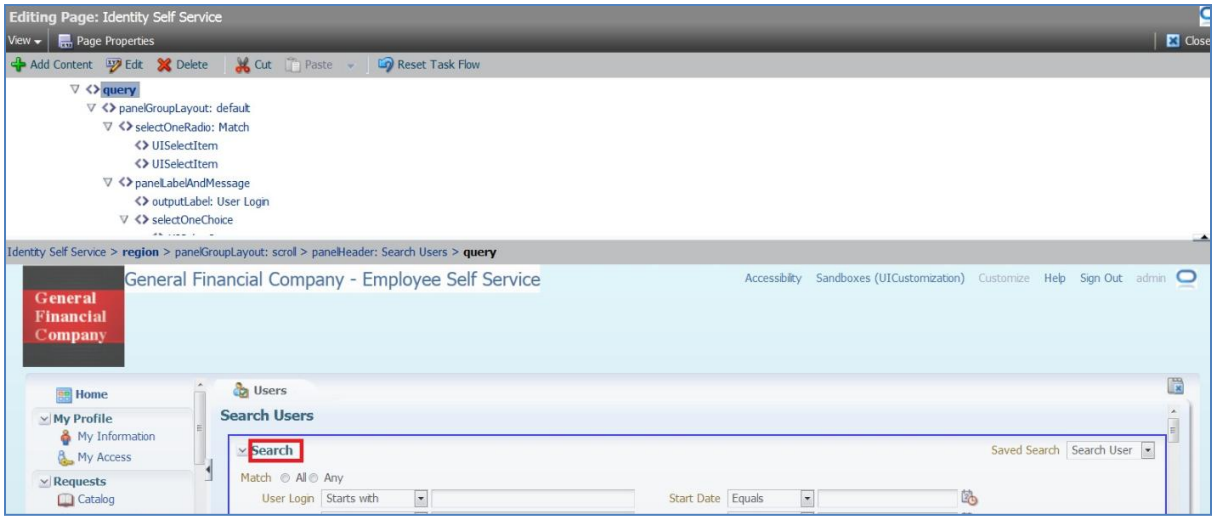


29. Click Apply.
30. Click OK.
31. Click on the search results pane (where there are multiple columns). This should again select the table T1 code.
32. Click on Edit in the top menu.
33. Navigate to Child Components tab.
34. Move the Cost Center column to the position next to Organization.
35. Click Apply.
36. Click OK.
37. Click Close at the top right corner.
38. Click on the Sandboxes link.
39. Choose/select the sandbox you were working on.
40. From the menu above click on Publish Sandbox.
41. Accept all messages/warnings.

4. Visibility of Components based on Conditional Logic

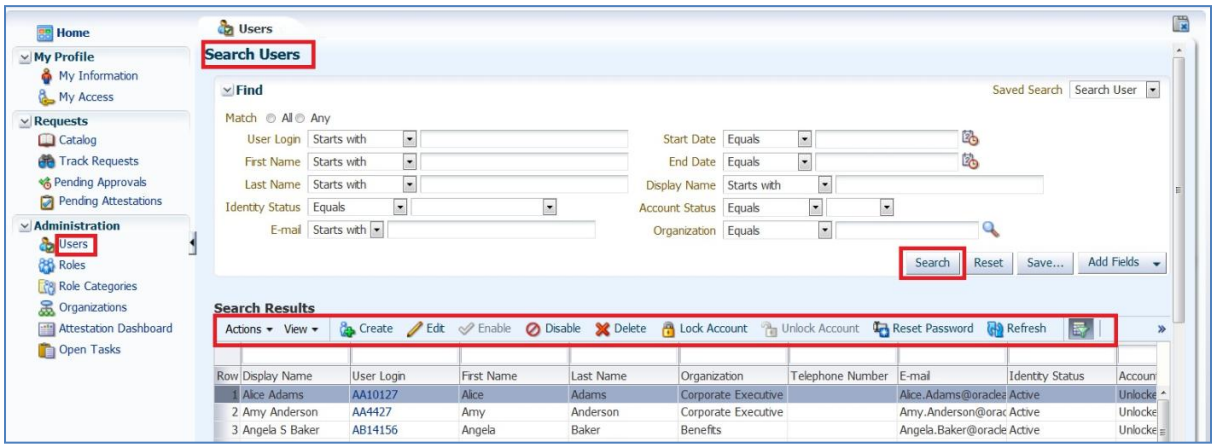
After review by usability team, ADMIN has been assigned to change the label of search user panel to "Find" and also change the labels on the Edit button to "Modify". As part of further personalization usability team has made recommendation to remove the "Administration" menu from the Self Service console and change the name of Request menu to "My Requests". Under the "My Profile" menu, "My Access" needs to be displayed before "My Information"

1. From the browser open Identity Self Service console.
2. Login as ADMIN.
3. Click on the Sandboxes link at the top.
4. Click on Create Sandbox from the menu.
5. Give it a name
   5.1 ConditionalVisibility
6. Click on Save and Close.
7. Click on OK.
8. Navigate to Users under Administration.
9. Click on the Customize link at the top of the screen.
10. At the top left corner under View, select Source.
11. Click on the Search panel.

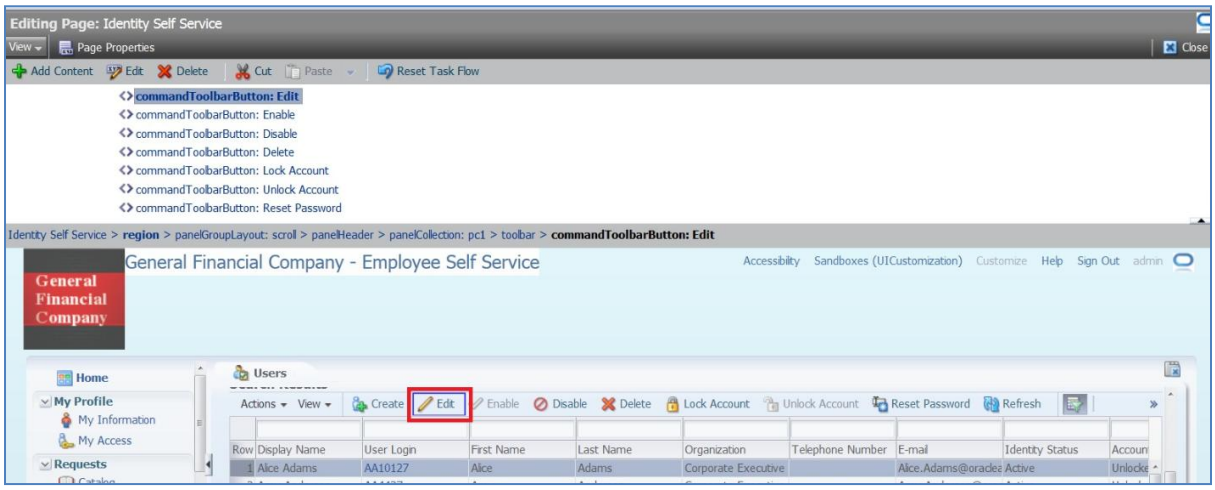


12. Click on the Edit button in the top menu.
13. In the dialog box, for the Header Text attribute, click on the icon to change the value.
14. Choose Expression Builder as the option.
15. Choose Type a value or expression radio button.
16. Erase the current expression with Find in the box

17. Click OK.
18. Click Apply.
19. Click OK.
20. Click Close at the top of the page in right corner.
21. As the users are populated in Search result panel, a new toolbar appears. We will change the Edit button on the toolbar to Modify.
22. In the same tab click on Search button to find some users and select a random user.



23. Click on the Customize link at the top of the screen.
24. Click on View →Source in the newly appeared menu bar.
25. Click on the Edit button on the toolbar which needs to be changed to Modify.



26. Click on Edit in the menu.
27. In the dialog box, for the Text attribute, click on the icon to change the value.
28. Choose Expression Builder as the option.
29. Choose Type a value or expression radio button.
30. Erase the current expression and provide a value, Modify.

31. Click OK.
32. Click Apply.
33. Click OK.
34. Click Close at the top of the page in right corner.
35. Close the Search User tab.
36. Now we will hide the Administration menu in Self Service UI. Before we start this exercise …

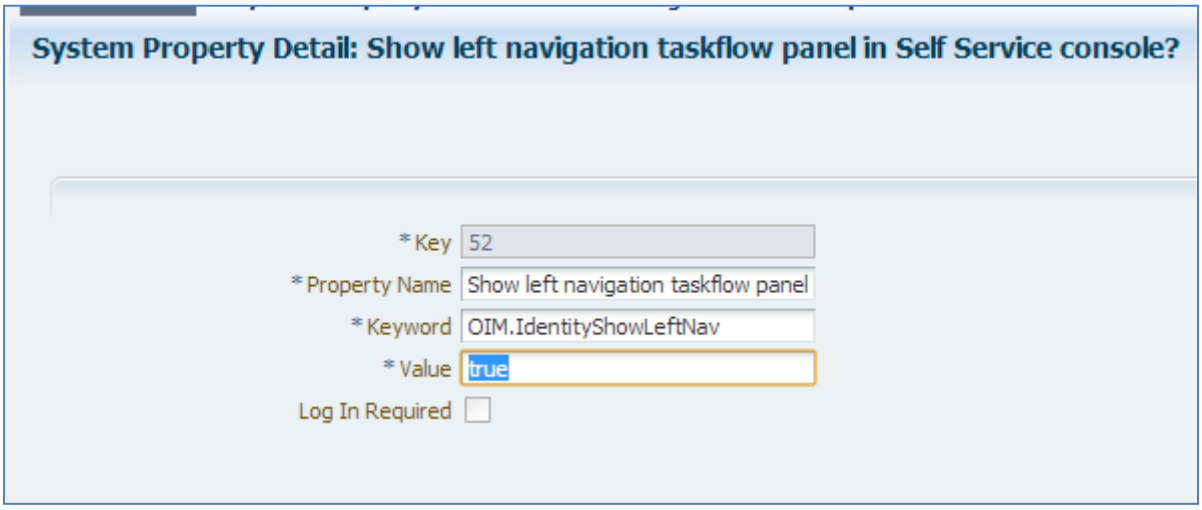
    36.1 Navigate to the Sysadmin console.

    36.2 Click on the System Configuration under System Management.

    36.3 Search for a property with name as …

        36.3.1 Show left navigation taskflow panel in Self Service console?

    36.4 Change the Value to true.

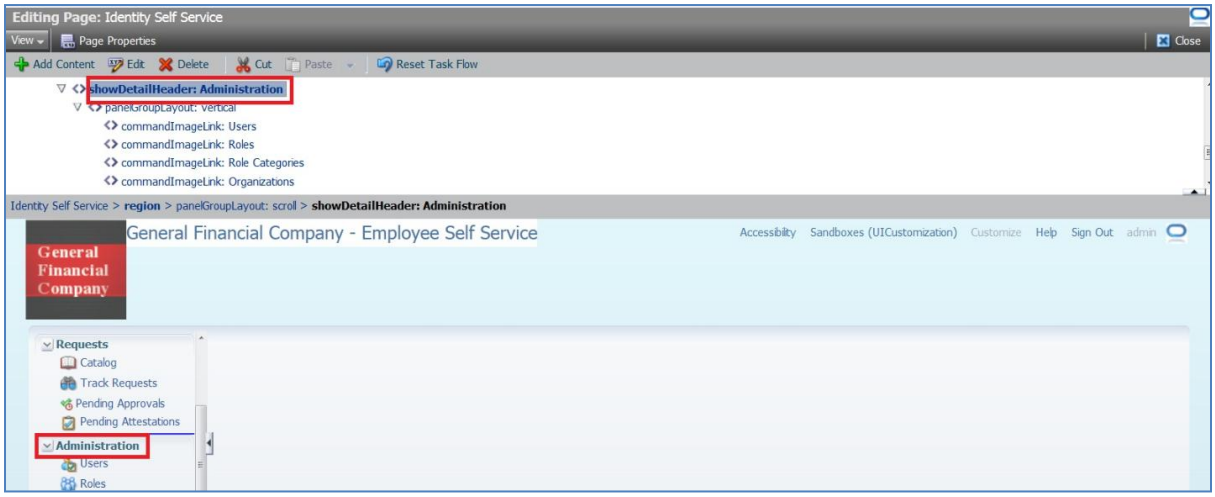


    36.5 Click on Save.

    36.6 Close all browser windows.

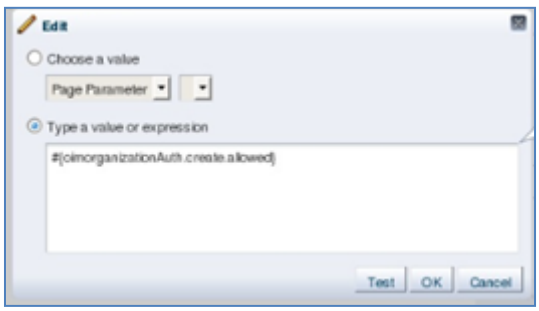
    36.7 Restart OIM server.

37. After restart, navigate to the Identity Self Service console.
38. Login as ADMIN.
39. Click on the Sandboxes link at the top.
40. Select the ConditionalVisibility sandbox.
41. Click on Activate Sandbox from the menu above.
42. Click on the Customize link at the top of the screen.
43. Click on View → Source in the newly appeared menu bar.
44. Click on the Administration menu in left side bar.



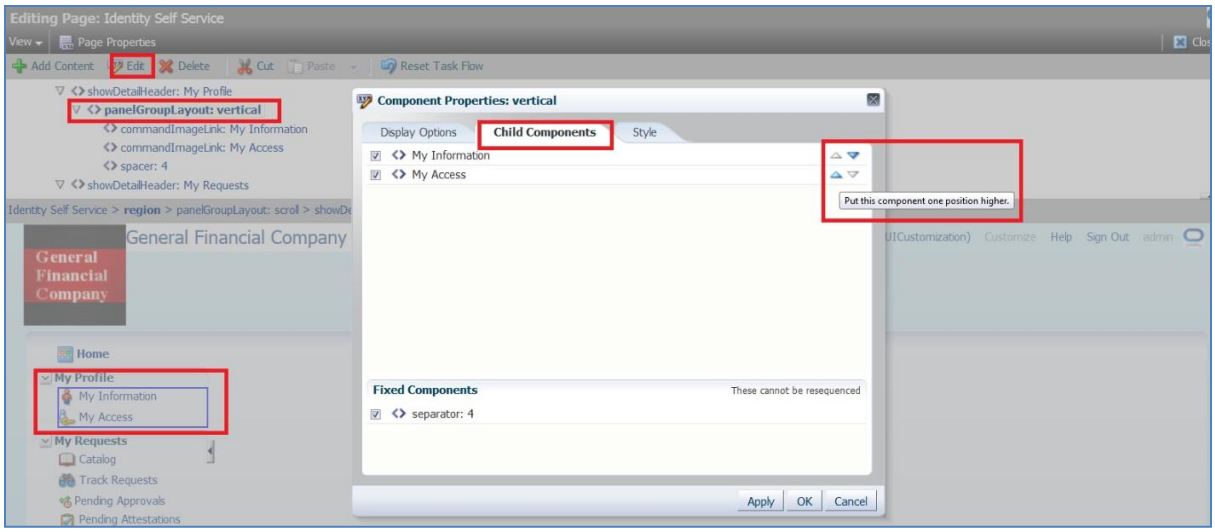
45. In the Confirm Task Flow Edit warning dialog click on Edit. We will now enter and test an EL Expression that makes the Administration component visible only to users that have the ability to create objects within their organization. Again, this is an industry standard expression language, not Oracle specific.
46. Click on Edit from the top menu.
47. In the dialog box, for the Show Component check box, click on the icon to change the value.
48. Choose Expression Builder as the option.
49. Remove the current value.
50. Enter a new expression.

```
#{oimorganizationAuth.create.allowed}
```



51. Click on Test. You should see a Value Returned: True dialog.
52. Click OK.
53. Click Apply.
54. Click OK.
55. Click on the Requests menu in left side bar.
56. Click on Edit in the menu.

57. In the dialog box, for the Text attribute, click on the icon to change the value.
58. Choose Expression Builder… as the option.
59. Choose Type a value or expression radio button.
60. Erase the current expression and provide a value, My Requests.
61. Click OK.
62. Click Apply.
63. Click OK.
64. Click on the My Profile menu in left side bar.
65. Click on panelGroupLayout: vertical.
66. Click on Edit in the menu.
67. Select Child Components tab.



68. Using the up/down arrow keys on the right change the order of the submenu items.
69. Click Apply.
70. Click OK.
71. Click Close at the top of the page in right corner.

72. Click on the Sandboxes link at the top.
73. Select the active Sandbox.
74. Click Publish Sandbox from the menu.
75. Logout and close the browser.
76. Login as any other user and try to validate the new changes brought it. May be as RSEID. You see that Administration menu is gone. Requests menu is now called My Requests and order of items under My Profile is changed.