Floor Plan Manager for Newbies: (Part 3) Static and Dynamic Usage of Component Configurations in WDA Application

Applies to:

This article applies to SAP Netweaver 7.01, Webdynpro ABAP. For more information, visit the Web Dynpro ABAP homepage.

Summary

This article is a continuation of part 1 and will explain about how to handle static and dynamic component configuration using Object Instance Floor Plan.

Prerequisite for this tutorial is the WD component and application created in Floor Plan Manager for Newbies: (Part 1) Simple ABAP Webdynpro application using Object Instance Floor Plan.

Author: Shanmuganathan Rajkumar.

Company: Kaar Technologies

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Author Bio

Rajkumar is a SAP Certified Netweaver Consultant Working in Kaar Technologies. Raj has a B.Tech. in Information Technology from Anna University and an MBA, working in SAP since 2005. He has been involved in various projects as a technical consultant in ABAP, CRM ABAP, Business server pages, ABAP webdynpro, Adobe Flex and Business Objects(Xcelcius).

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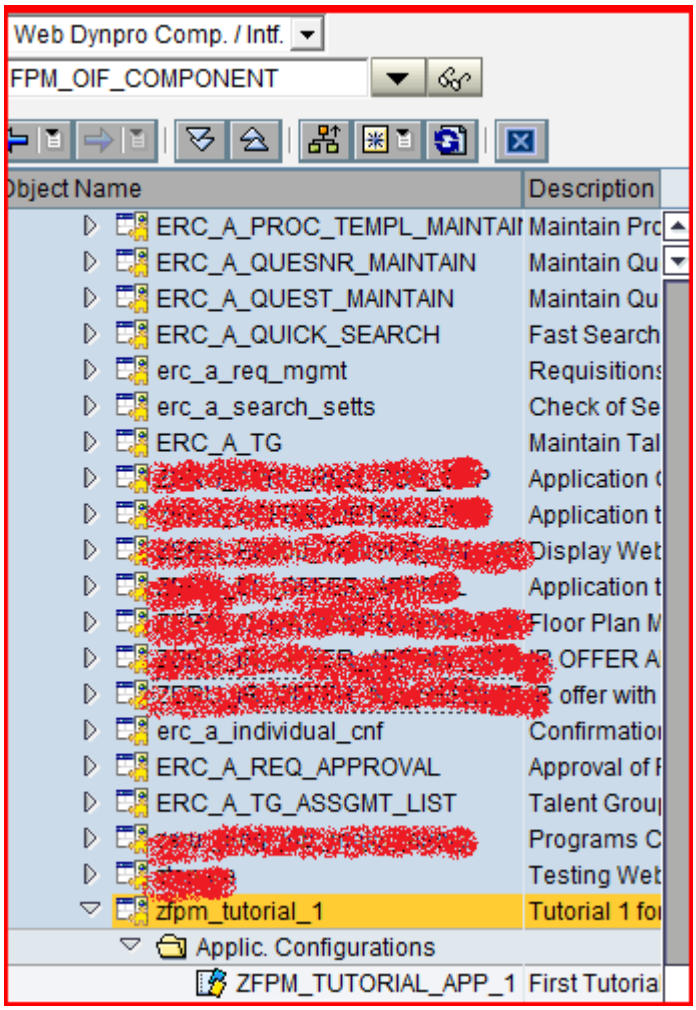
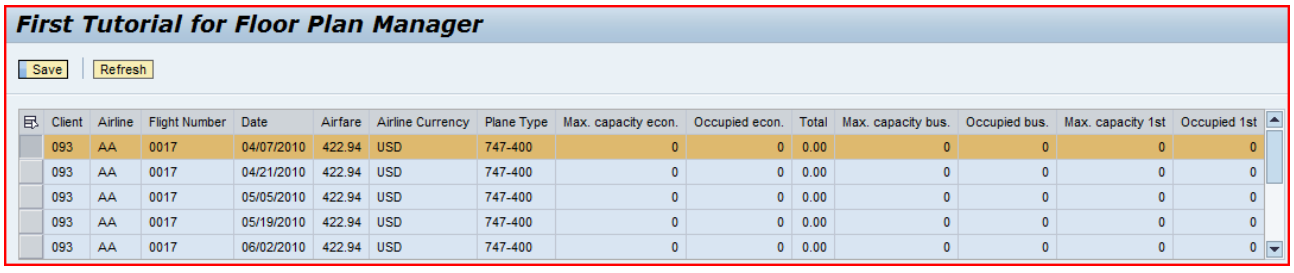
Creation of Component Configurations in WDA Component:

In the part 1, I've explained the steps about creating the WD component ZFPM_TUTORIAL_1, interface information, and assigning the component FPM_OIF_COMPONENT.

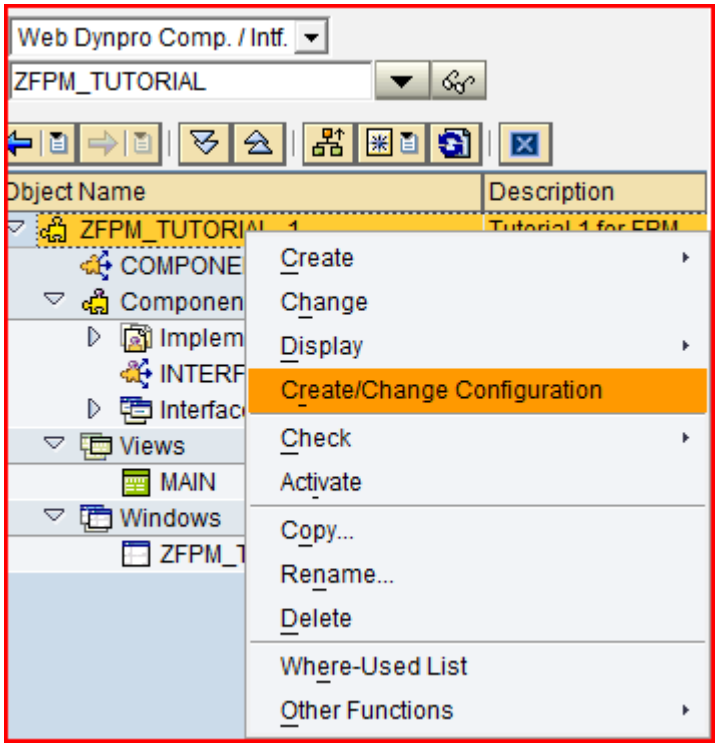
Upon executing the zfpm_tutorial_1, the search results are displayed as shown below.

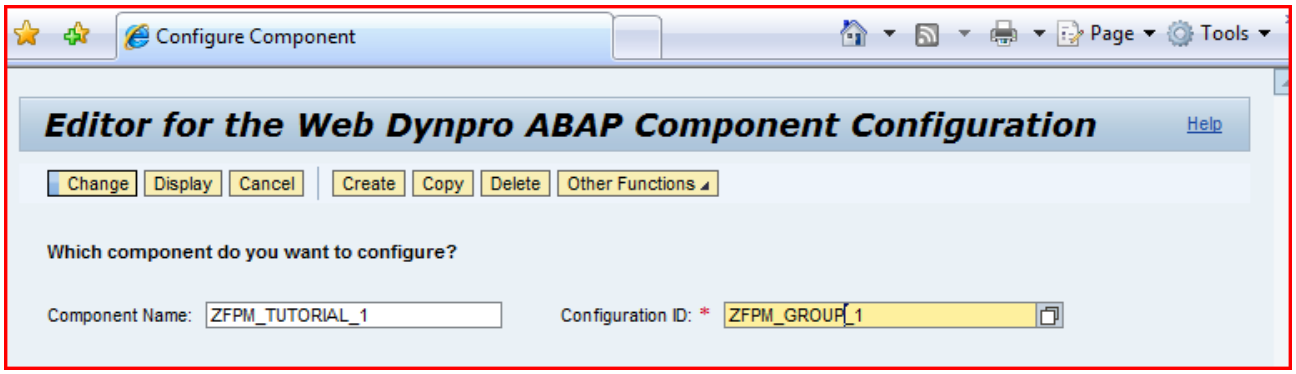


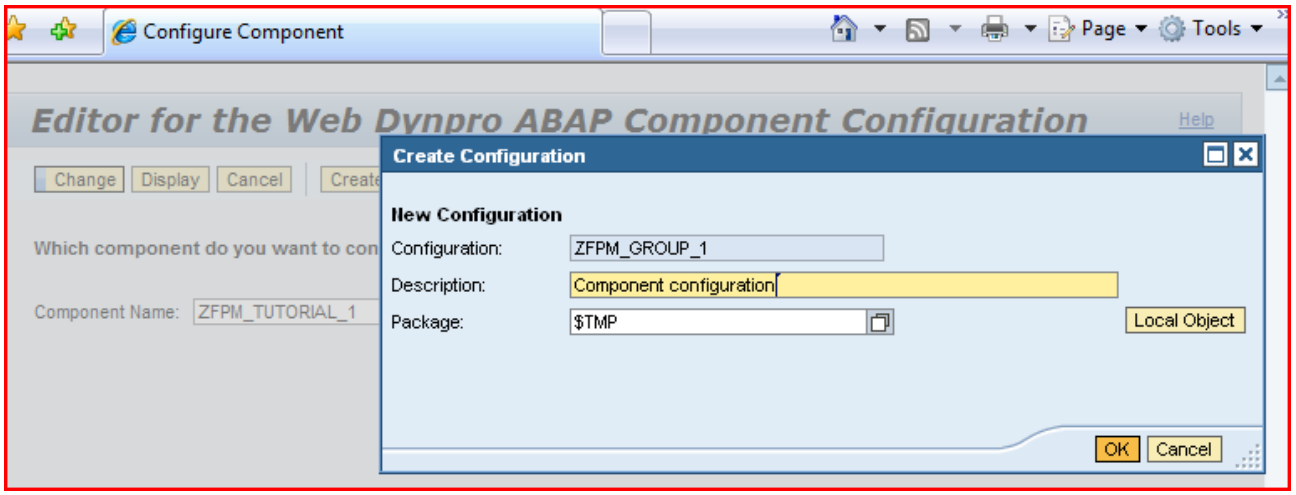


Consider a scenario, where are there are two group users say **GROUP 1** and **GROUP 2** , the requirement is that **GROUP 1** users should not see the table columns ***Client***, ***Airline*** and ***Flight Number*** wherein **GROUP 2** users should not see the table columns ***Airfare*** and ***Airline Currency***.

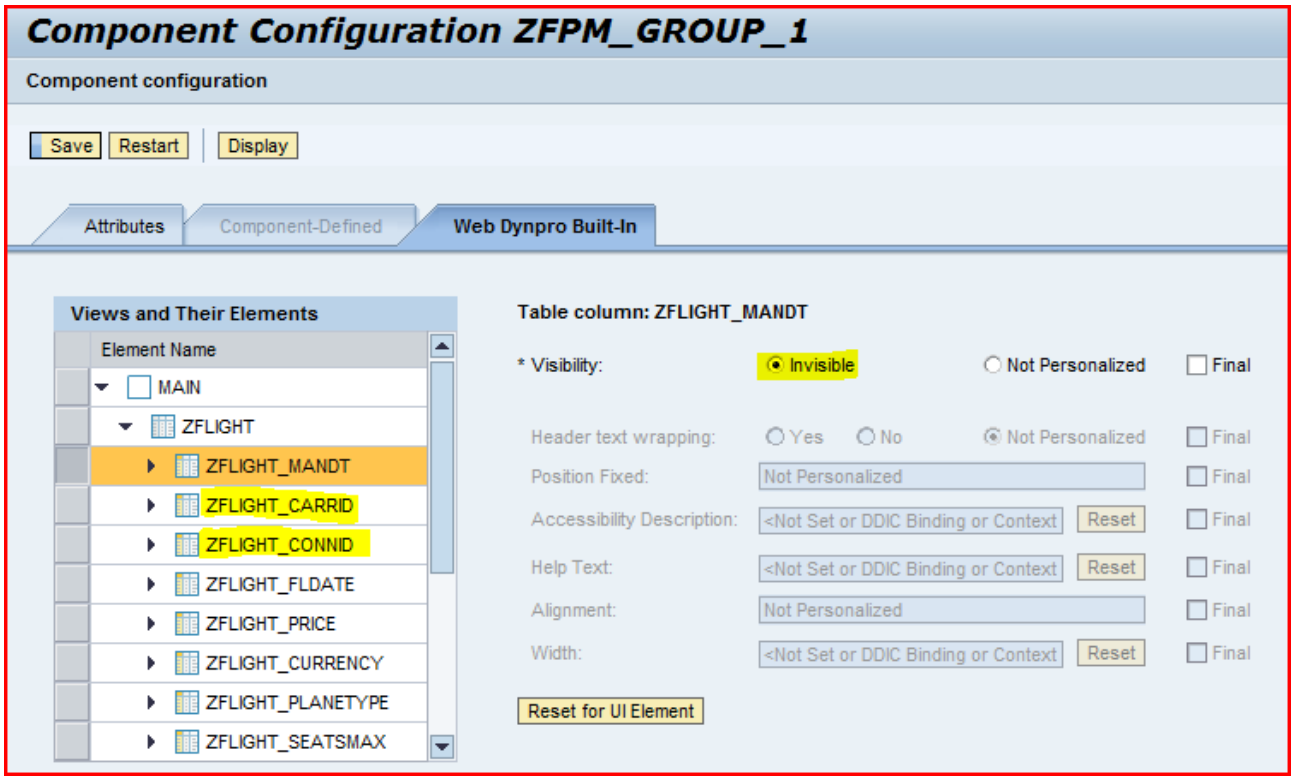
Create a component configuration for the **GROUP 1**.







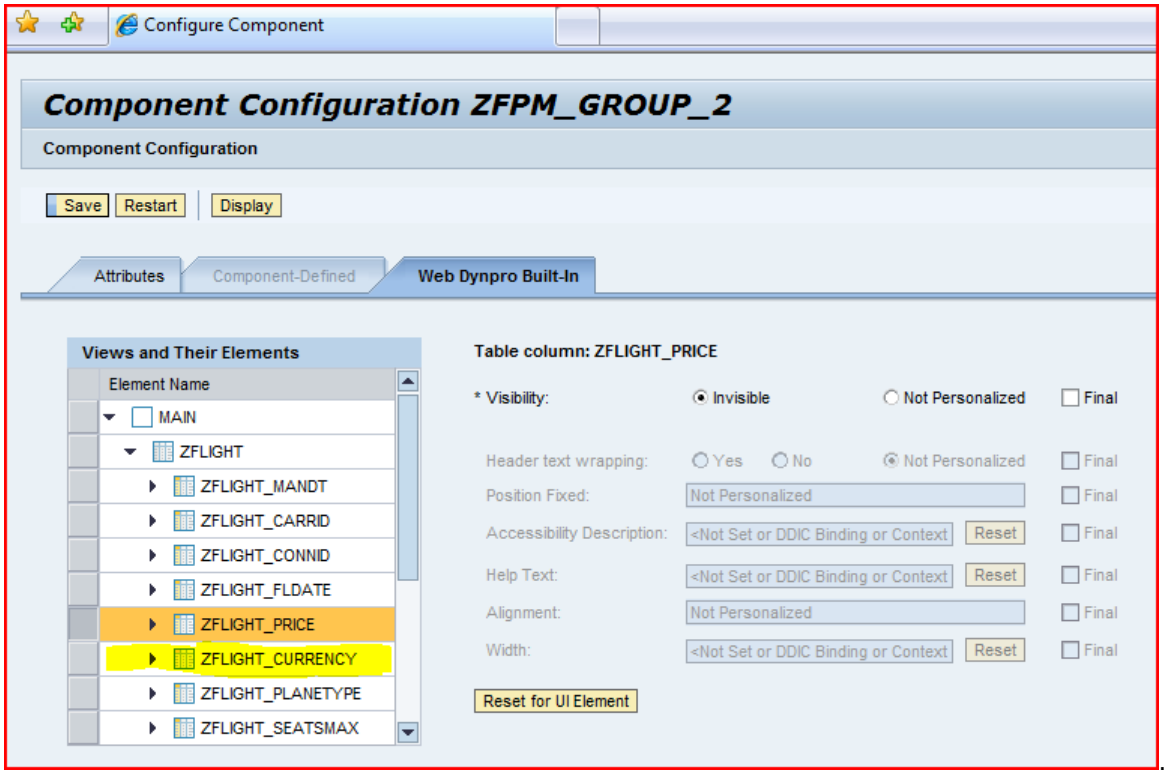
Make the following fields invisible, ***Client***, ***Airline*** and ***Flight Number.***



Create another component configuration **ZFPM_GROUP_2**.

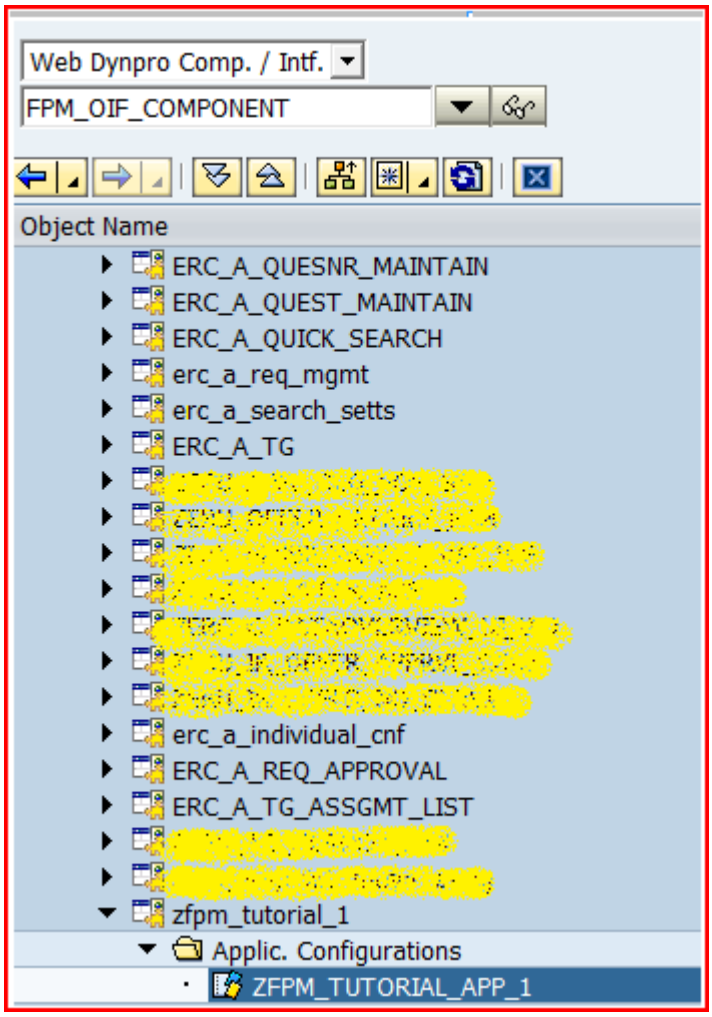
Follow the same step as mention for the component configuration **ZFPM_GROUP_1** and create the component configuration **ZFPM_GROUP_2.**

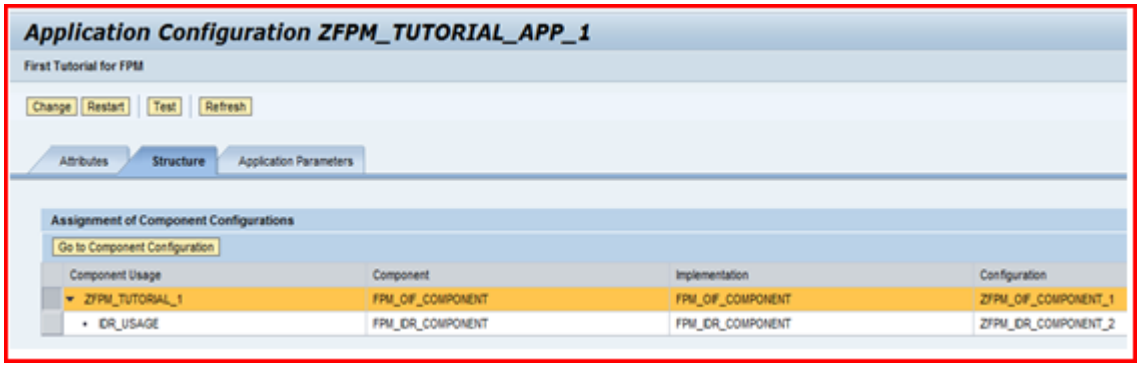
Make the following fields invisible, ***Airfare*** and ***Airline Currency.***

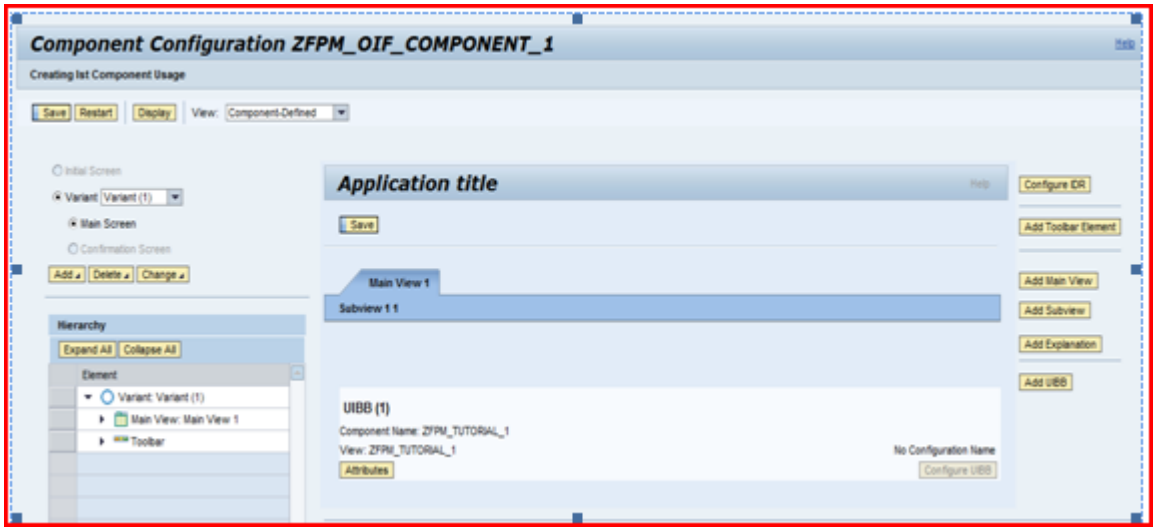


Creation of Static Component configuration in OIF:

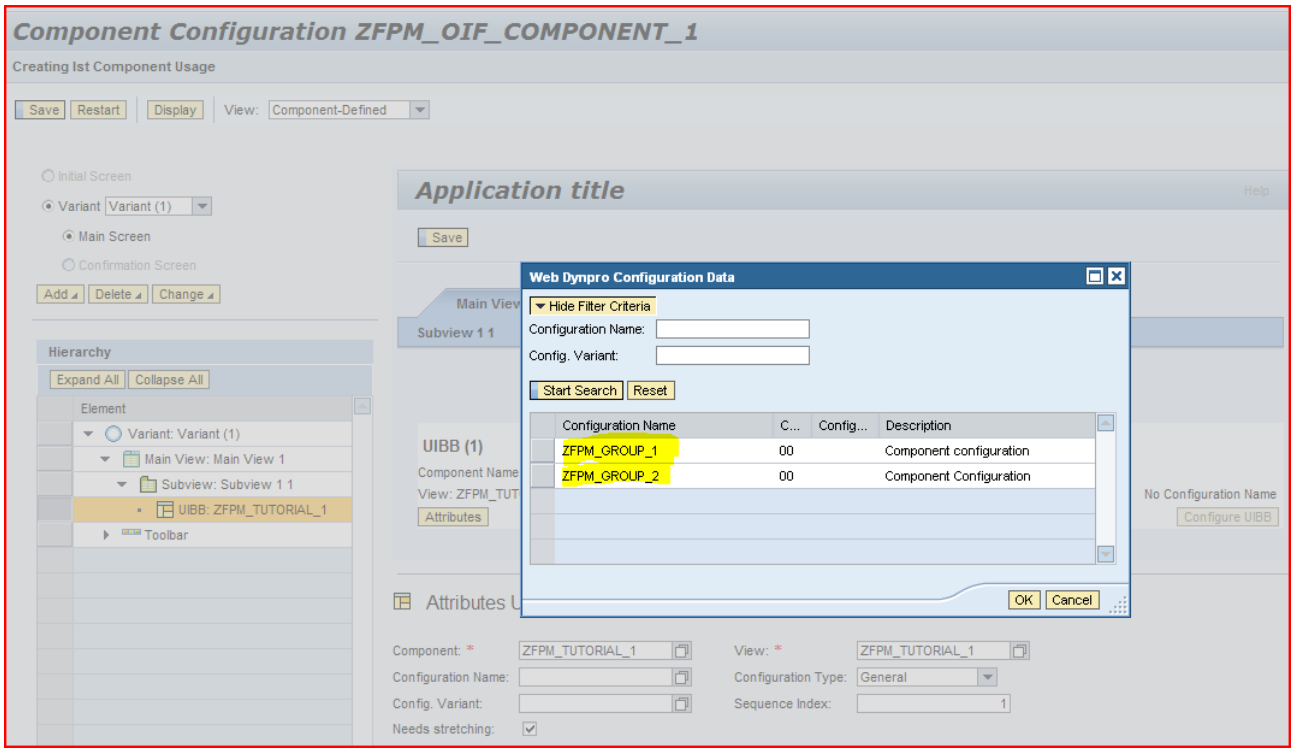
Now it's time to change the component configuration of the Application configuration **ZFPM_TUTORIAL_APP_1**.



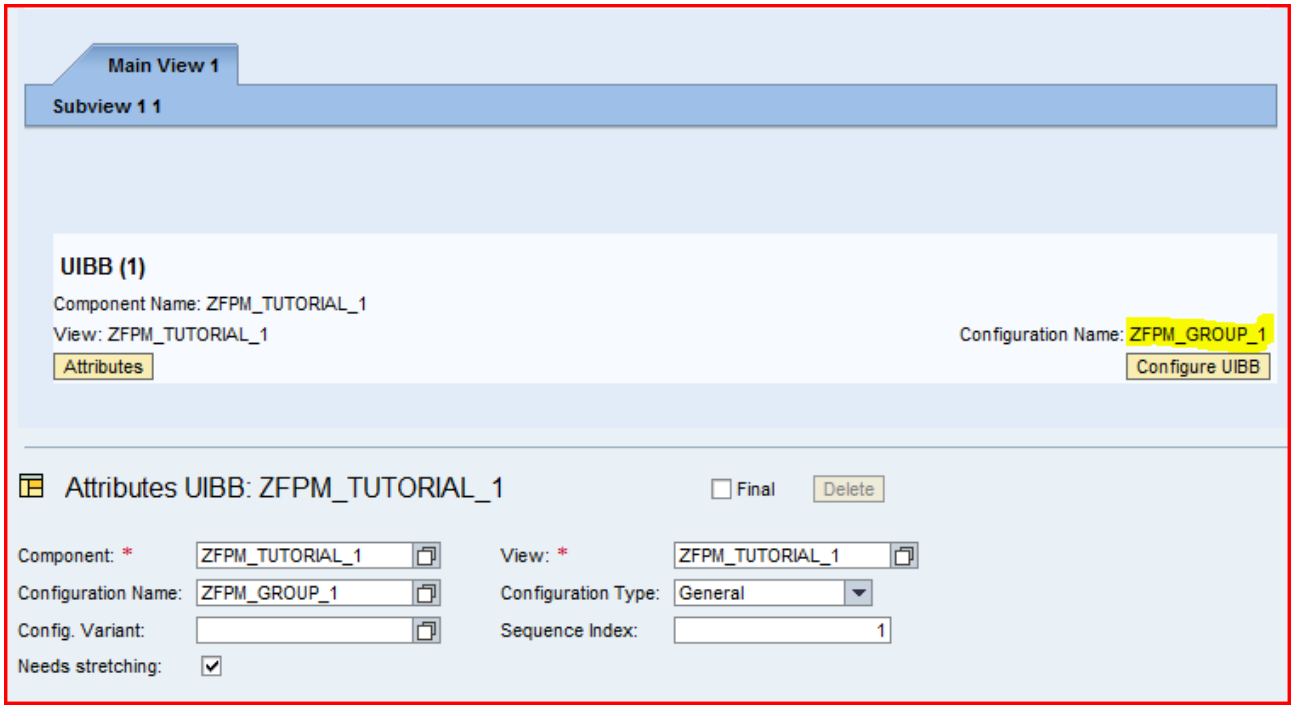




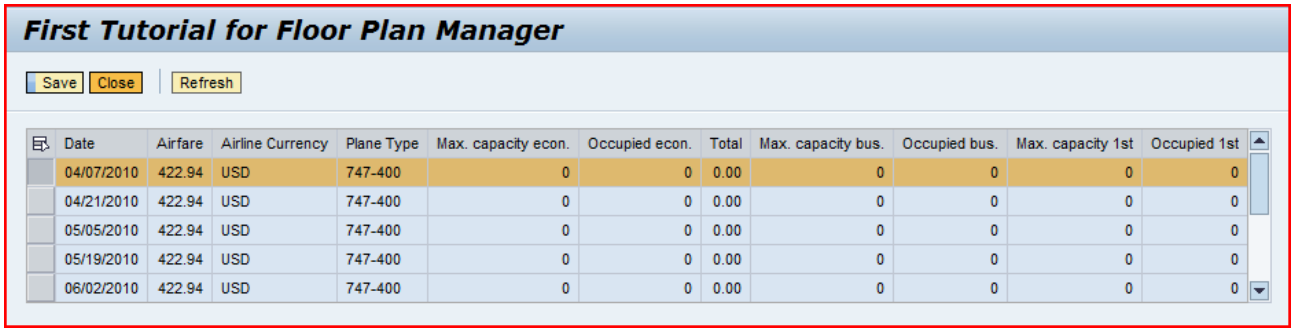
Click the Attributes of the UIBB(1), click F4 on the configuration name the following POPUP screen appears.



After making the static configuration, the configuration will appear as below,

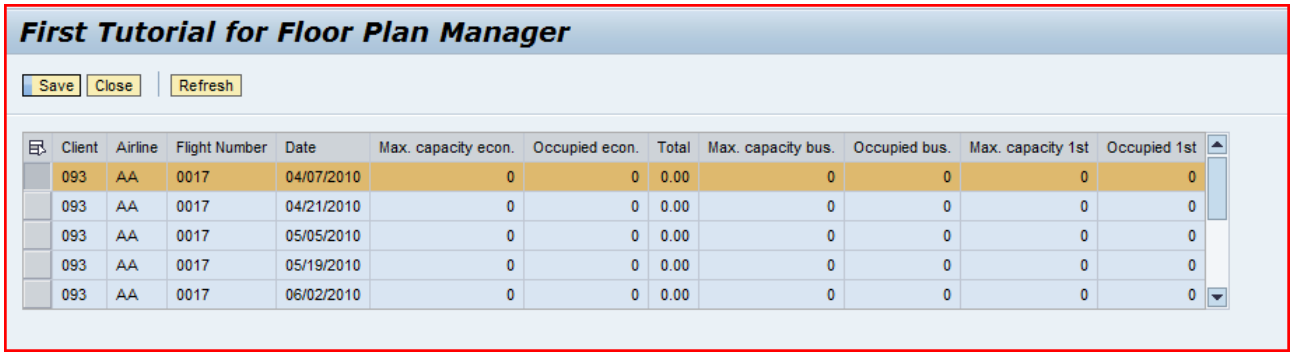


Try executing the application ZFPM_TUTORIAL_1 and you could see the fields are hidden.



Date	Airfare	Airline Currency	Plane Type	Max. capacity econ.	Occupied econ.	Total	Max. capacity bus.	Occupied bus.	Max. capacity 1st	Occupied 1st
04/07/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
04/21/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
05/05/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
05/19/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
06/02/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0

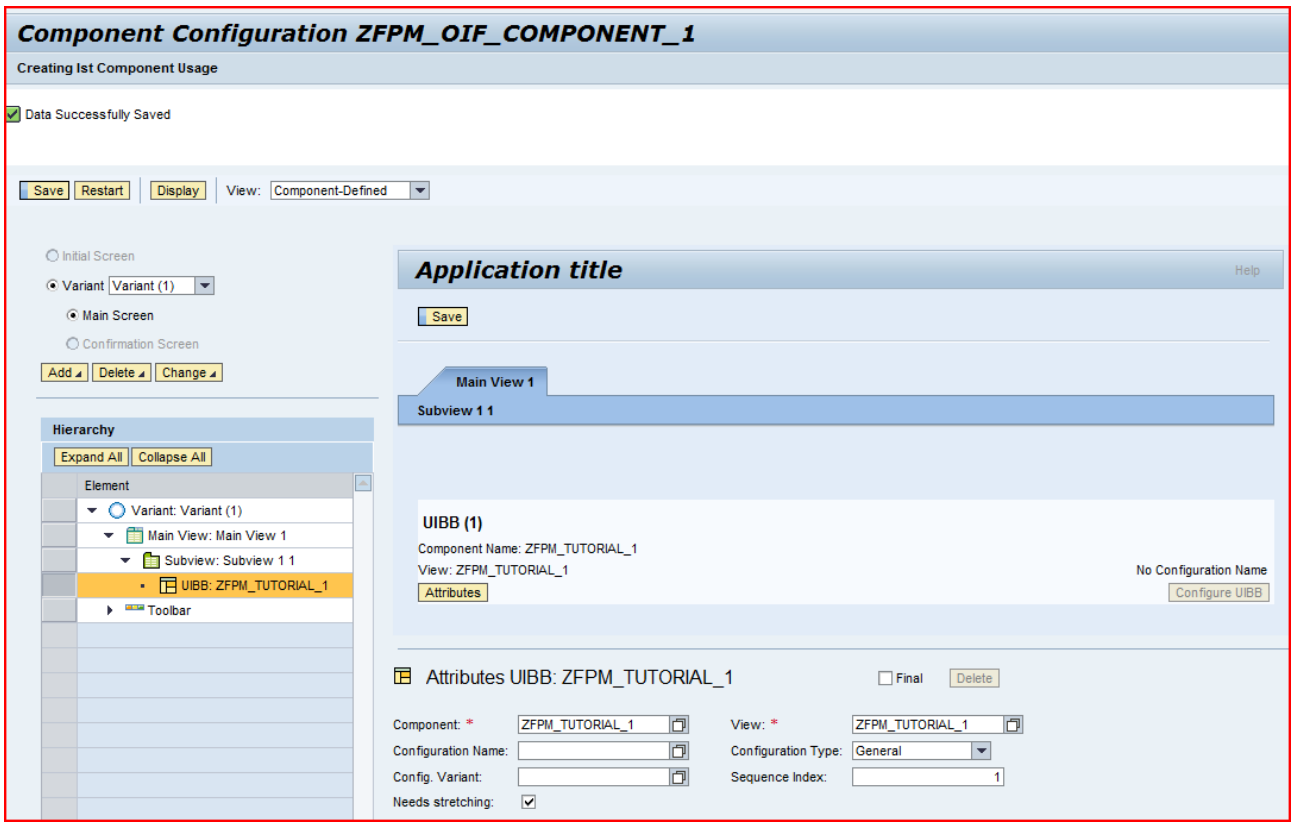
Similarly assign the component configuration **ZFPM_GROUP_2** as mentioned above and check for the column names ***Airfare*** *and* ***Airline Currency***. The screen output will remain as below.



Client	Airline	Flight Number	Date	Max. capacity econ.	Occupied econ.	Total	Max. capacity bus.	Occupied bus.	Max. capacity 1st	Occupied 1st
093	AA	0017	04/07/2010	0	0	0.00	0	0	0	0
093	AA	0017	04/21/2010	0	0	0.00	0	0	0	0
093	AA	0017	05/05/2010	0	0	0.00	0	0	0	0
093	AA	0017	05/19/2010	0	0	0.00	0	0	0	0
093	AA	0017	06/02/2010	0	0	0.00	0	0	0	0

Determining Dynamic Component configuration in WDA component:

Remove the static configurations assigned in the floor plan manager as shown.



Use the below code in the **WDDOINIT** method of the view **MAIN** in the webdynpro component **ZFPM_TUTORIAL_1** as shown.

```
16  *Load the Component configurations based on the GROUPS.
17  DATA:      lo_api_controller       TYPE REF TO if_wd_component,
18             lo_pers_manager         TYPE REF TO if_wd_personalization,
19             ls_config_key           TYPE wdy_config_key.
20
21              lo_api_controller = wd_comp_controller->wd_get_api( ).
22
23              lo_pers_manager = lo_api_controller->get_personalization_manager( ).
24
25          IF sy-uname EQ 'Z_GROUP_1'.
26
27                  ls_config_key-config_id = 'ZFPM_GROUP_1' .
28                  lo_pers_manager->load_config_by_key( ls_config_key ).
29          ELSE.
30                  ls_config_key-config_id = 'ZFPM_GROUP_2' .
31                  lo_pers_manager->load_config_by_key( ls_config_key ).
32          ENDIF.
33
```

The above code will display the same results similar to the static configurations.

Related Content

Floor plan Manager PART: 1.

Floor plan Manager PART: 2.

Floorplan Manager (FPM) Web Dynpro ABAP

Floor Plan Manager SAP help.

For more information, visit the Web Dynpro ABAP homepage.

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