

Floorplan Manager for Newbies: (Part 4) Static and Dynamic Assignments of views using Object Instance Floorplan



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 assignments of views using Object Instance Floorplan.

Prerequisite for this tutorial is the WD component and application created in [Floorplan Manager for Newbies: \(Part 1\) Simple ABAP Webdynpro application using Object Instance Floorplan](#).

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Author Bio



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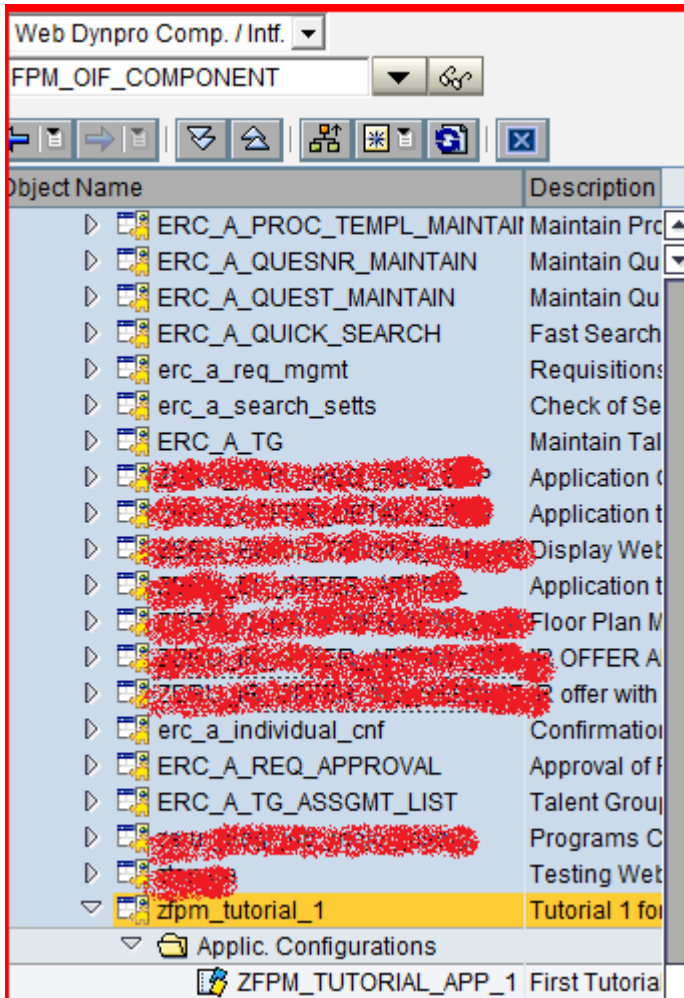
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Creation of new view in WDA Component:

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**.

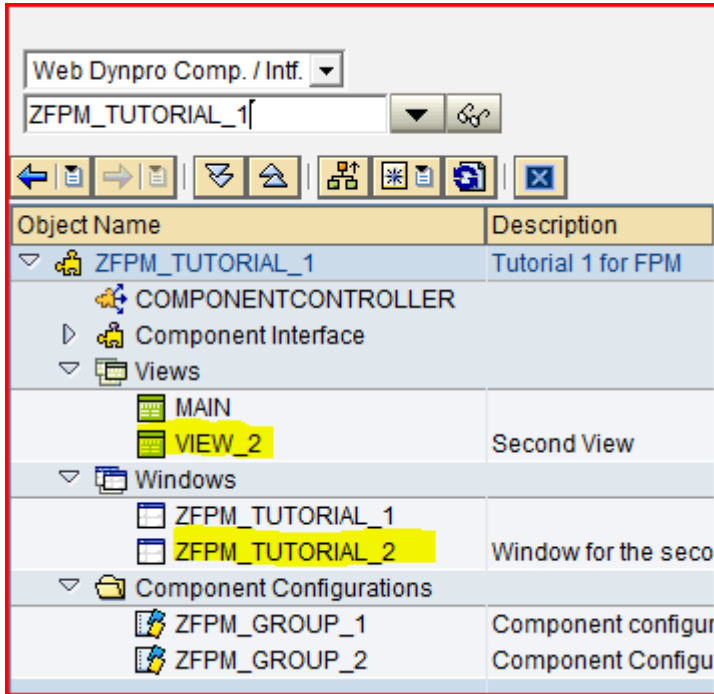
Upon executing the application **zfpm_tutorial_1**, the search results are displayed as shown below.



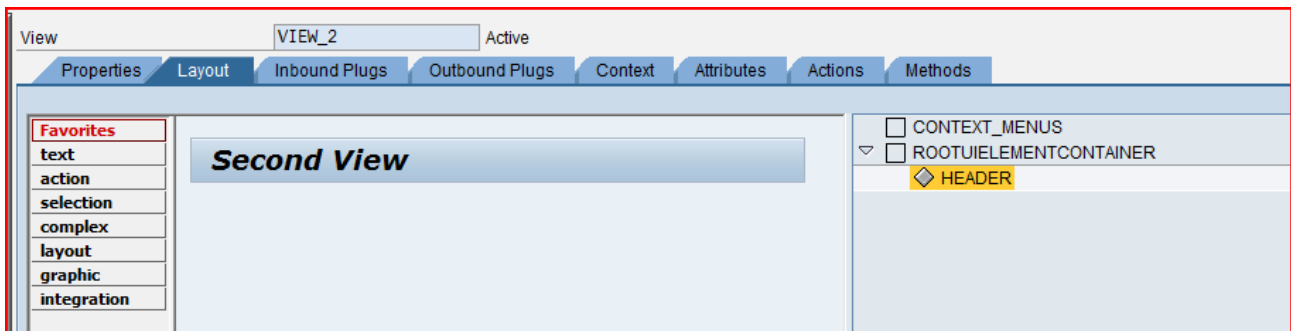
The screenshot shows the web application 'Tutorial 1 for Floor Plan Manager' displaying a table of flight search results. The table has the following columns: Client, Airline, Flight Number, Date, Airfare, Airline Currency, Plane Type, Max. capacity econ., Occupied econ., Total, Max. capacity bus., Occupied bus., Max. capacity 1st, and Occupied 1st. The data is as follows:

Client	Airline	Flight Number	Date	Airfare	Airline Currency	Plane Type	Max. capacity econ.	Occupied econ.	Total	Max. capacity bus.	Occupied bus.	Max. capacity 1st	Occupied 1st
093	AA	0017	04/07/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	04/21/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	05/05/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	05/19/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	06/02/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0

Now add the second view **VIEW_2** and window **ZFPM_TUTORIAL_2** in the webdynpro Component **ZFPM_TUTORIAL_1**.



Add the page header UI attribute to the second view **VIEW_2** of the component **ZFPM_TUTORIAL_1**.



Static Assignment of View in OIF:

Add this new view in the application configuration **ZFPM_TUTORIAL_APP_1** of the webdynpro component **FPM_OIF_COMPONENT**.

Click the button Add Main view in the Component Configuration **ZFPM_OIF_COMPONENT_1**.

The screenshot shows the 'Component Configuration ZFPM_OIF_COMPONENT_1' interface. On the left, a 'Hierarchy' tree shows the structure: Variant: Variant (1) > Main View: Main View 2 > Subview: Subview 2 1 > UIBB: UIBB_2_1_1. The main area displays the 'Application title' and 'Subview 2 1' containing 'UIBB (1)'. An 'Interface View' dialog is open, showing a table with two rows: 'ZFPM_TUTORIAL_1' and 'ZFPM_TUTORIAL_2' (highlighted in yellow) with the description 'Window for the second View'. Below the dialog, the 'Attributes UIBB: UIBB_2_1_1' section shows the 'View' field set to 'ZFPM_TUTORIAL_2'.

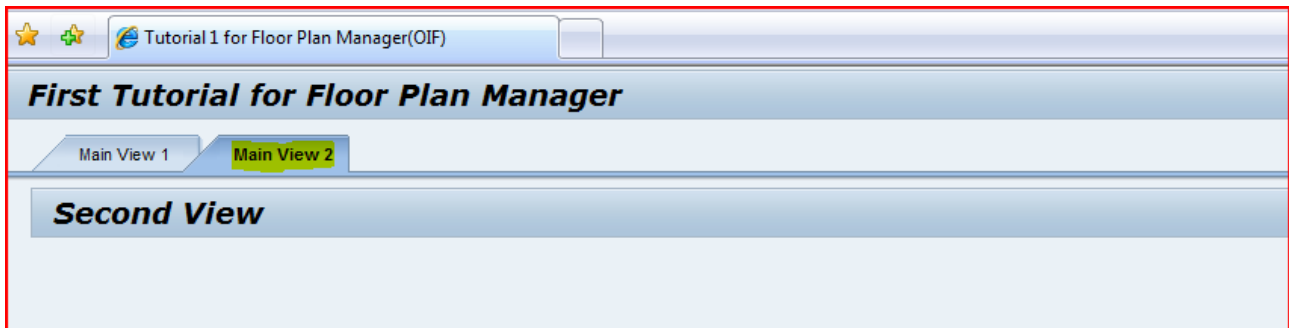
The screenshot shows the 'Application title' and 'Subview 2 1' containing 'UIBB (1)'. The 'Attributes UIBB: ZFPM_TUTORIAL_2' section is now visible, showing the 'View' field set to 'ZFPM_TUTORIAL_2'. The 'Component Name' is 'ZFPM_TUTORIAL_1' and the 'View' is 'ZFPM_TUTORIAL_2'. The 'Configuration Name' is empty, and the 'Sequence Index' is '1'. The 'Needs stretching' checkbox is checked.

By executing the webdynpro application **zfpm_tutorial_1** created under **FPM_OIF_COMPONENT**, the output will be as follows.

Main View 1,

Client	Airline	Flight Number	Date	Airfare	Airline Currency	Plane Type	Max. capacity econ.	Occupied econ.	Total	Max. capacity bus.	Occupied bus.	Max. capacity 1st	Occupied 1st
093	AA	0017	04/07/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	04/21/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	05/05/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	05/19/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	06/02/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0

Newly added view will be displayed in the **Main view 2** created as above.



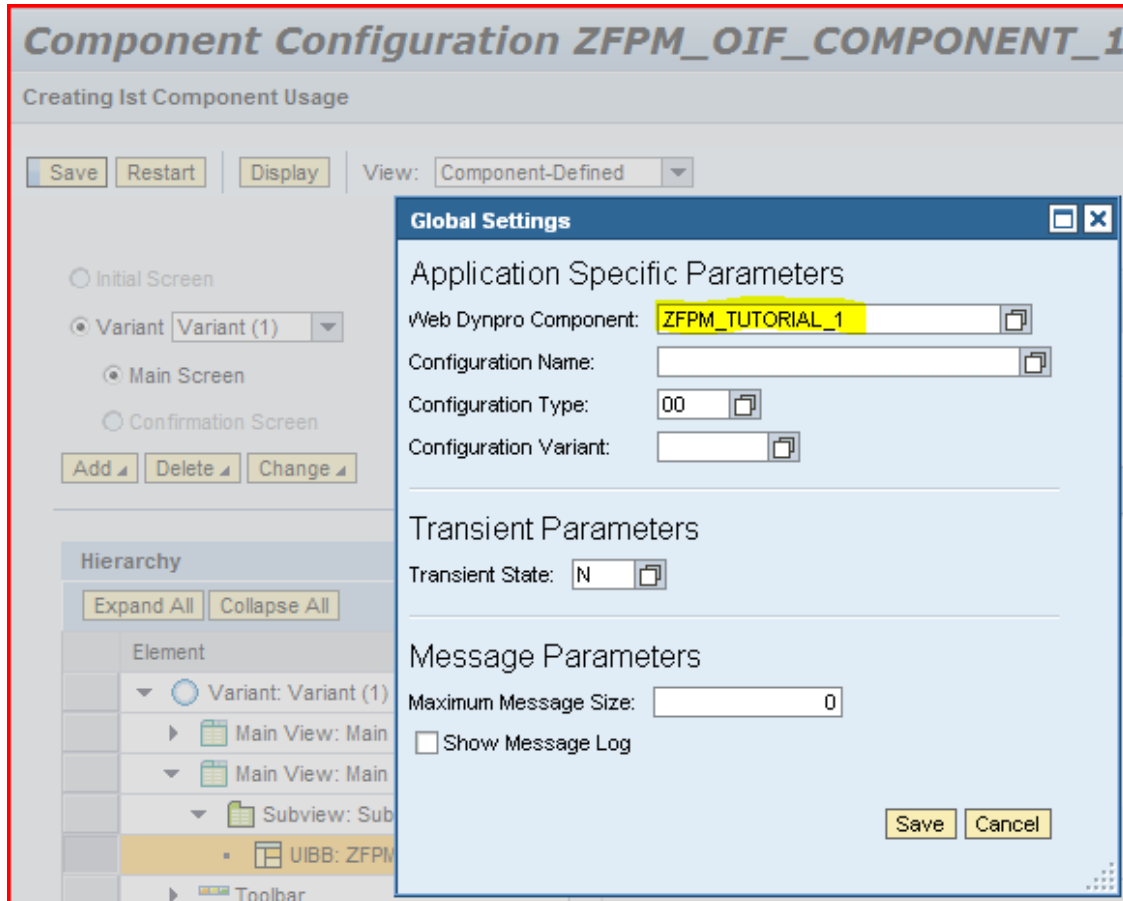
Dynamic Assignment of View in WDA Component:

Remove the static configurations (**Main View 2**) assigned in the Floorplan manager as shown.

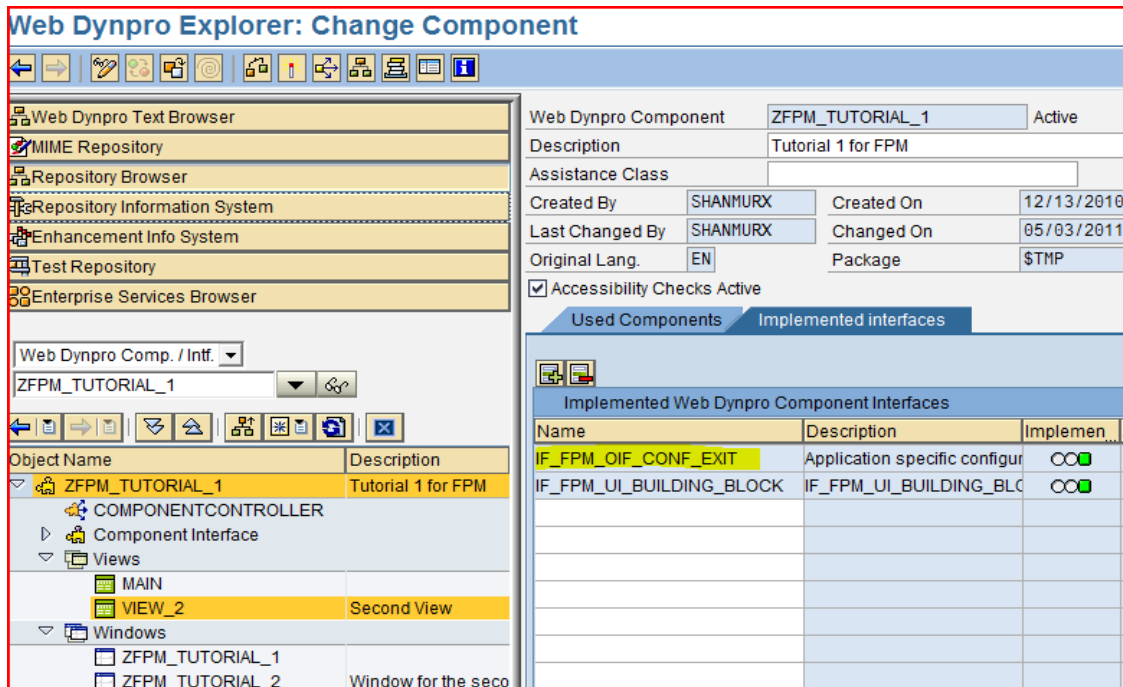
The screenshot shows the 'Component Configuration ZFPM_OIF_COMPONENT_1' interface. It displays a hierarchy on the left with 'UABB: ZFPM_TUTORIAL_1' selected. The main area shows configuration details for 'UABB (1)' with the following fields:

- Component: * ZFPM_TUTORIAL_1
- View: * ZFPM_TUTORIAL_1
- Configuration Name: [Empty]
- Configuration Type: General
- Config. Variant: [Empty]
- Sequence Index: 1
- Needs stretching:

Do not forget to change the global settings of the variant, **VARIANT_1** as shown.



Now add the new interface **IF_FPM_OIF_CONF_EXIT** to the webdynpro component **ZFPM_TUTORIAL_1**.



The newly added interface adds the new method **OVERRIDE_EVENT_OIF** to the component controller.
Implement the following code in the newly added method.

```

1  METHOD override_event_oif .
2      DATA:et_mainview TYPE if_fpm_oif=>ty_t_mainview,
3            ls_mainview type if_fpm_oif=>ty_s_mainview,
4            lt_uibb     TYPE if_fpm_oif=>ty_t_uibb,
5            ls_uibb     TYPE if_fpm_oif=>ty_s_uibb.
6  *Add the second view view information dynamically
7      ls_uibb-component      = 'ZFPM_TUTORIAL_1'.
8      ls_uibb-interface_view = 'ZFPM_TUTORIAL_2'.
9      APPEND ls_uibb TO lt_uibb.
10
11      io_oif->get_mainviews( EXPORTING iv_variant_id = 'VARIANT_1'
12                            IMPORTING et_mainview   = et_mainview ).
13      READ TABLE et_mainview INTO ls_mainview WITH KEY id = 'MAINVIEW_2'.
14
15      if sy-subrc NE 0.
16  *Interface IF_FPM_OIF has so many useful methods with which you can
17  *dynamically assign the variants, change the views, rename the views...etc.
18      io_oif->add_mainview( EXPORTING iv_variant_id   = 'VARIANT_1'
19                            iv_mainview_id         = 'MAINVIEW_2'
20                            iv_mainview_name       = 'RAJ'
21                            iv_subview_id          = 'SUBVIEW_2'
22                            iv_subview_name        = 'KUMAR'
23                            iv_index               = 99
24                            it_uibb                = lt_uibb ).
25      endif.
26  ENDMETHOD.

```

Interface **IF_FPM_OIF** has so many useful methods with which you can dynamically assign the variants, change the views, rename the views, delete the views...etc. The methods are

- ✓ **RENAME_MAINVIEW**
- ✓ **RENAME_SUBVIEW**
- ✓ **ADD_MAINVIEW**
- ✓ **ADD_SUBVIEW**
- ✓ **ADD_UIBB**
- ✓ **REMOVE_MAINVIEW**
- ✓ **REMOVE_SUBVIEW**
- ✓ **REMOVE_UIBB**
- ✓ **GET_UIBB_KEYS**
- ✓ **GET_UIBB_KEYS_FOR_CONF_STEP**
- ✓ **GET_UIBB_KEYS_FOR_INIT_SCREEN**
- ✓ **GET_MAINVIEWS**
- ✓ **GET_SUBVIEWS**
- ✓ **GET_CURRENT_STATE**
- ✓ **GET_VARIANTS**
- ✓ **CANCEL_EVENT**
- ✓ **SET_VARIANT**
- ✓ **SET_SELECTED_SUBVIEW**

Dynamically added view will be displayed in the tab named 'RAJ'.

First Tutorial for Floor Plan Manager

Main View 1 RAJ

Client	Airline	Flight Number	Date	Airfare	Airline Currency	Plane Type	Max. capacity econ.	Occupied econ.	Total	Max. capacity bus.	Occupied bus.	Max. capacity 1st	Occupied 1st
093	AA	0017	04/07/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	04/21/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	05/05/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	05/19/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0
093	AA	0017	06/02/2010	422.94	USD	747-400	0	0	0.00	0	0	0	0

First Tutorial for Floor Plan Manager

Main View 1 RAJ

Second View

Related Content

[Floorplan Manager PART: 1.](#)

[Floorplan Manager PART: 2.](#)

[Floorplan Manager \(FPM\) Web Dynpro ABAP](#)

[Floorplan Manager SAP help.](#)

Floorplan Manager, for more information, visit the [Web Dynpro ABAP homepage.](#)

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