

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](#).

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Author Bio



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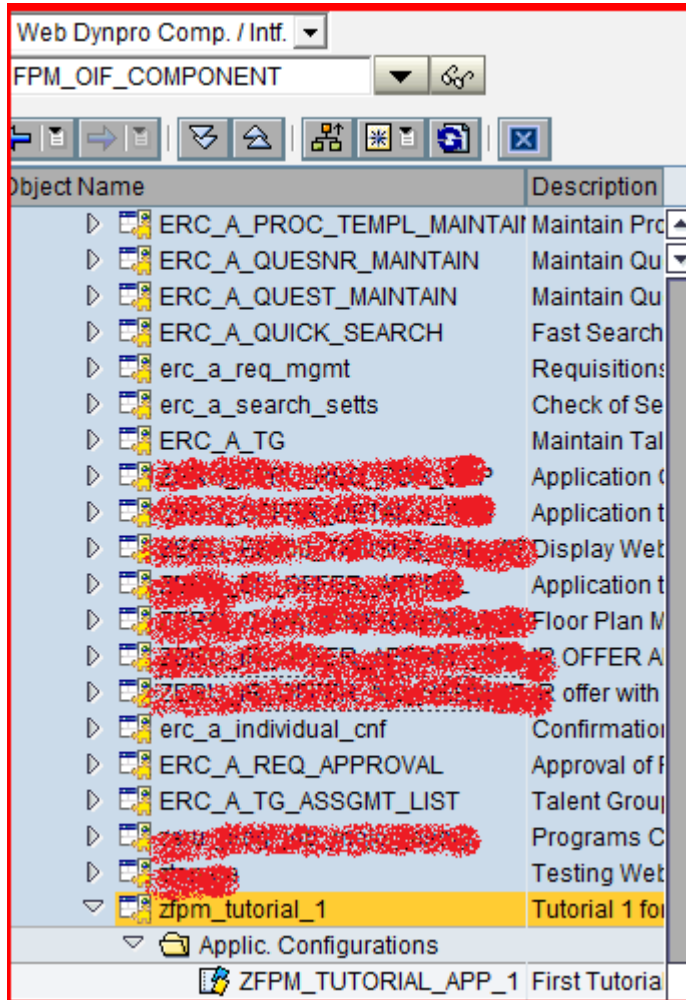
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Creation of Component Configurations in WDA Component:

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.



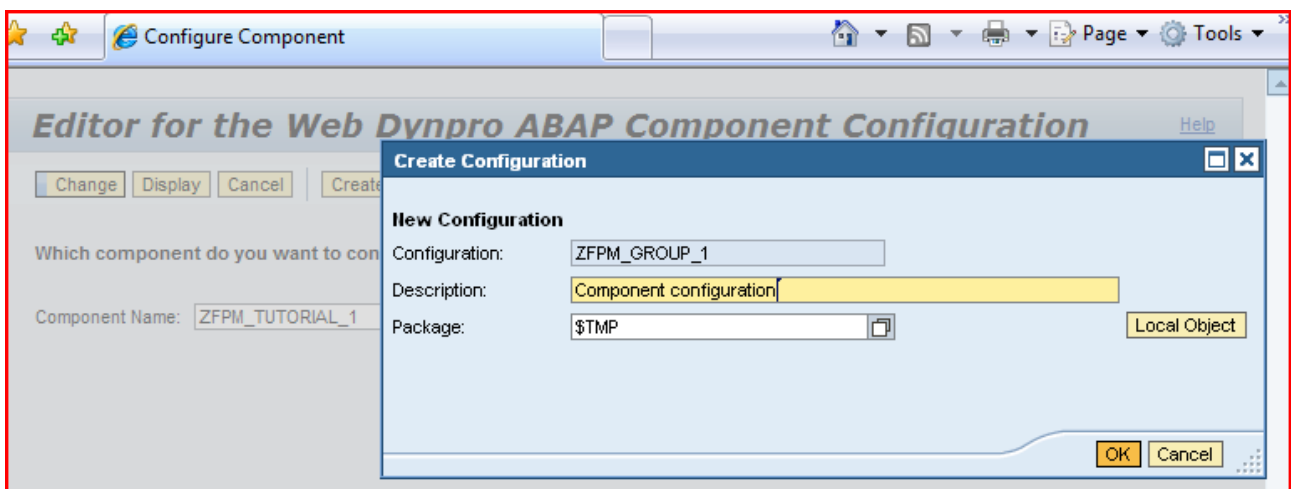
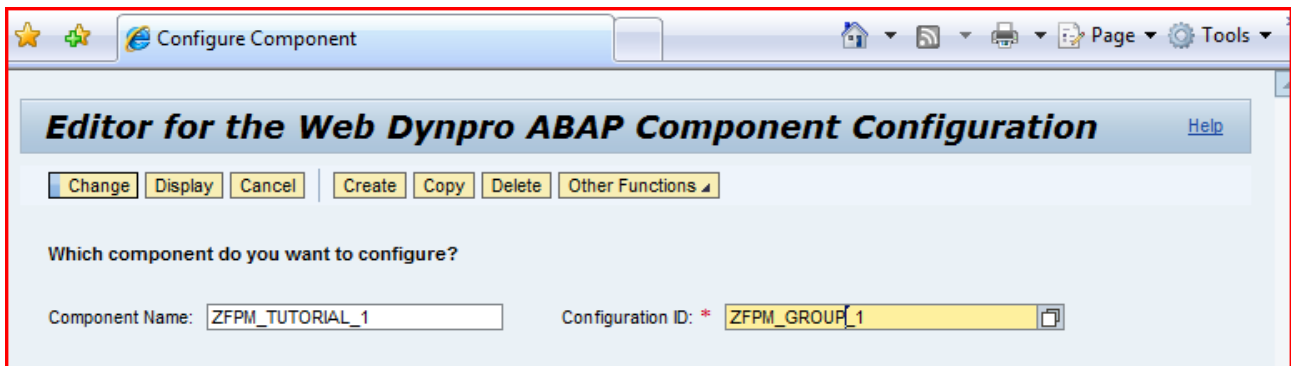
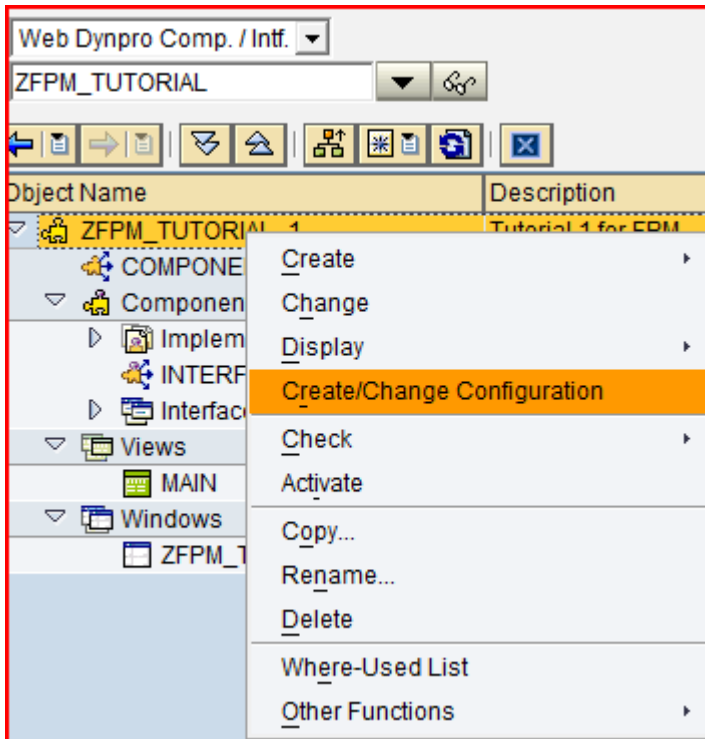
First Tutorial for Floor Plan Manager

Save Refresh

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

Consider a scenario, where 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**.

Component Configuration ZFPM_GROUP_1

Component configuration

Save Restart Display

Attributes Component-Defined Web Dynpro Built-In

Views and Their Elements

- Element Name
- MAIN
 - ZFLIGHT
 - ZFLIGHT_MANDT
 - ZFLIGHT_CARRID
 - ZFLIGHT_CONNID
 - ZFLIGHT_FLDATE
 - ZFLIGHT_PRICE
 - ZFLIGHT_CURRENCY
 - ZFLIGHT_PLANETYPE
 - ZFLIGHT_SEATSMAX

Table column: ZFLIGHT_MANDT

* Visibility: Invisible Not Personalized Final

Header text wrapping: Yes No Not Personalized Final

Position Fixed: Not Personalized Final

Accessibility Description: <Not Set or DDIC Binding or Context> Reset Final

Help Text: <Not Set or DDIC Binding or Context> Reset Final

Alignment: Not Personalized Final

Width: <Not Set or DDIC Binding or Context> Reset Final

Reset for UI Element

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**.

Component Configuration ZFPM_GROUP_2

Component Configuration

Save Restart Display

Attributes Component-Defined Web Dynpro Built-In

Views and Their Elements

- Element Name
- MAIN
 - ZFLIGHT
 - ZFLIGHT_MANDT
 - ZFLIGHT_CARRID
 - ZFLIGHT_CONNID
 - ZFLIGHT_FLDATE
 - ZFLIGHT_PRICE
 - ZFLIGHT_CURRENCY
 - ZFLIGHT_PLANETYPE
 - ZFLIGHT_SEATSMAX

Table column: ZFLIGHT_PRICE

* Visibility: Invisible Not Personalized Final

Header text wrapping: Yes No Not Personalized Final

Position Fixed: Not Personalized Final

Accessibility Description: <Not Set or DDIC Binding or Context> Reset Final

Help Text: <Not Set or DDIC Binding or Context> Reset Final

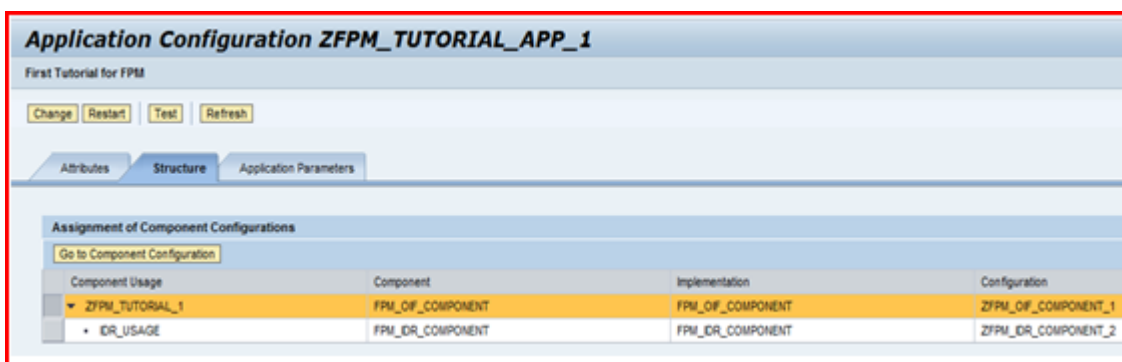
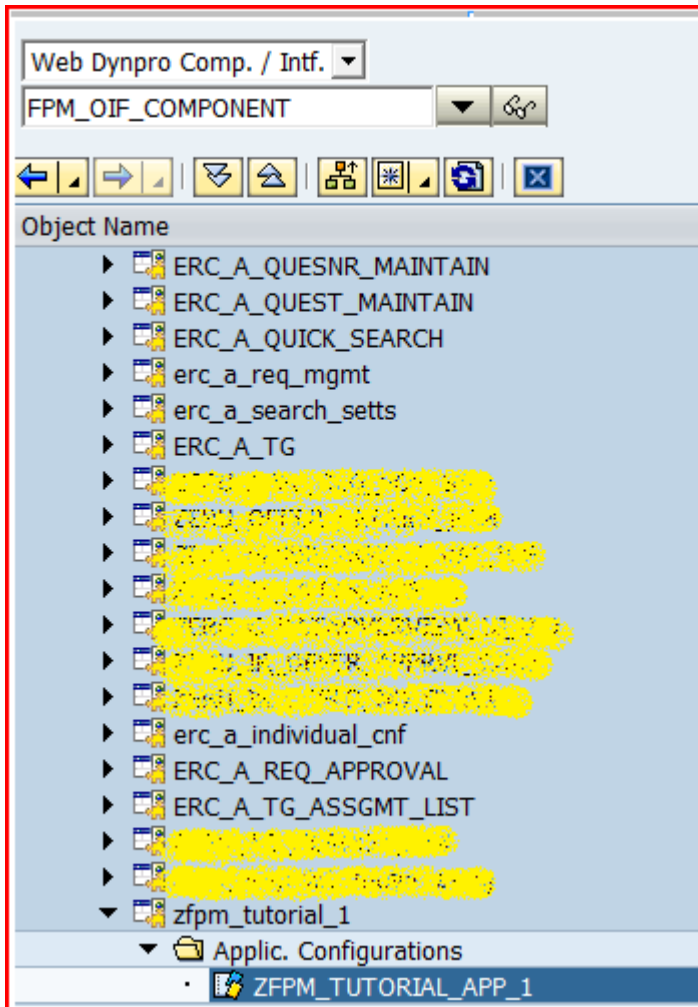
Alignment: Not Personalized Final

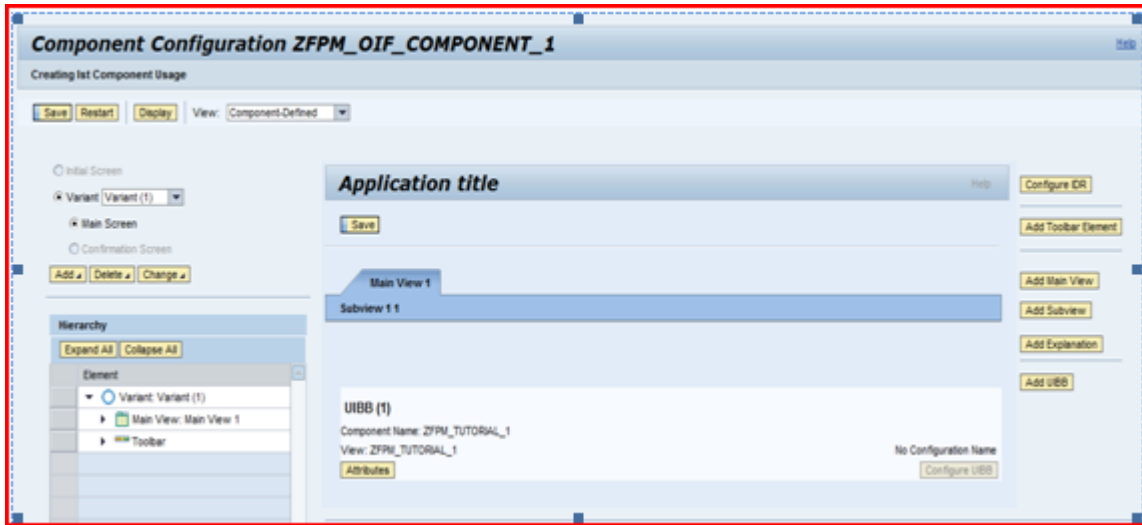
Width: <Not Set or DDIC Binding or Context> Reset Final

Reset for UI Element

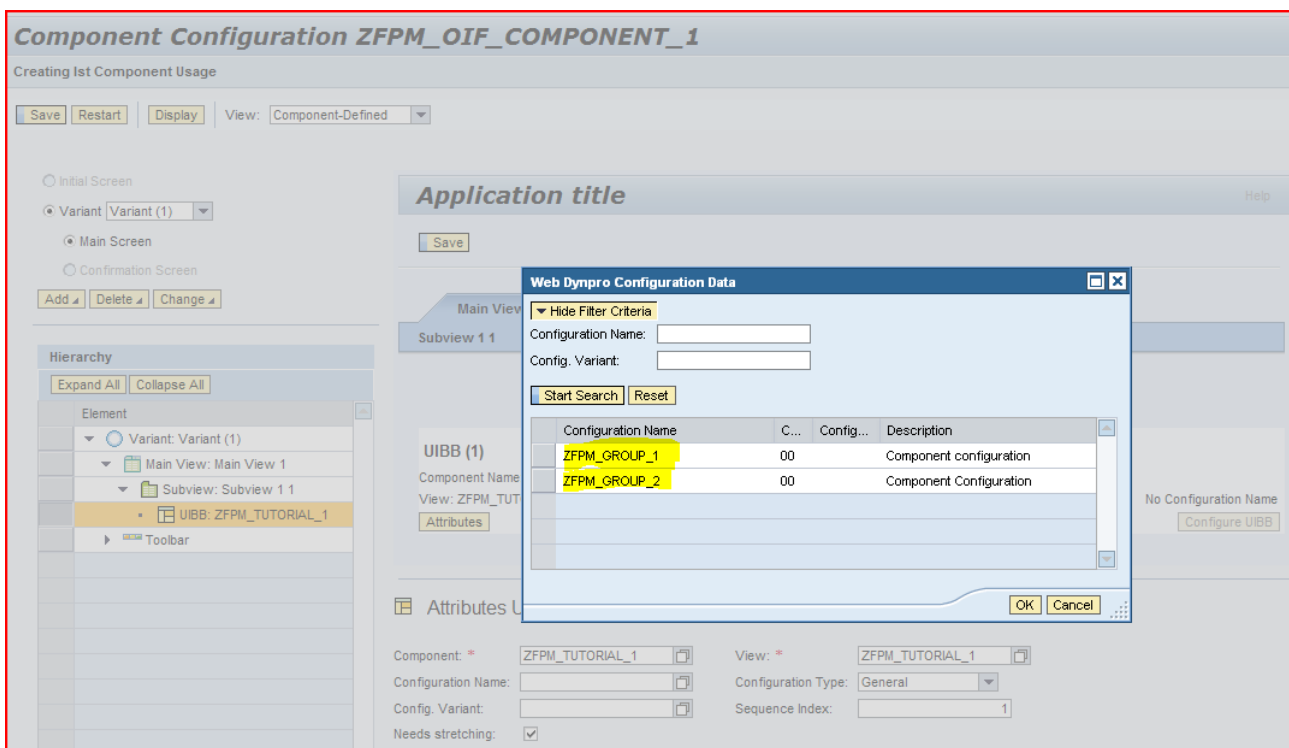
Creation of Static Component configuration in OIF:

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.

First Tutorial for Floor Plan Manager

Save Close Refresh

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.

First Tutorial for Floor Plan Manager

Save Close Refresh

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.

Component Configuration ZFPM_OIF_COMPONENT_1
Creating 1st Component Usage

✓ Data Successfully Saved

Save Restart Display View: Component-Defined

Initial Screen
 Variant Variant (1)
 Main Screen
 Confirmation Screen

Add Delete Change

Hierarchy
 Expand All Collapse All

Element

- Variant: Variant (1)
 - Main View: Main View 1
 - Subview: Subview 1 1
 - UICC: ZFPM_TUTORIAL_1**
 - Toolbar

Application title Help

Save

Main View 1
Subview 1 1

UICC (1)
 Component Name: ZFPM_TUTORIAL_1
 View: ZFPM_TUTORIAL_1
 No Configuration Name
 Attributes Configure UICC

Attributes UICC: ZFPM_TUTORIAL_1 Final Delete

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

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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