

Version 1.0

Date 19.07.2016

Status Completed

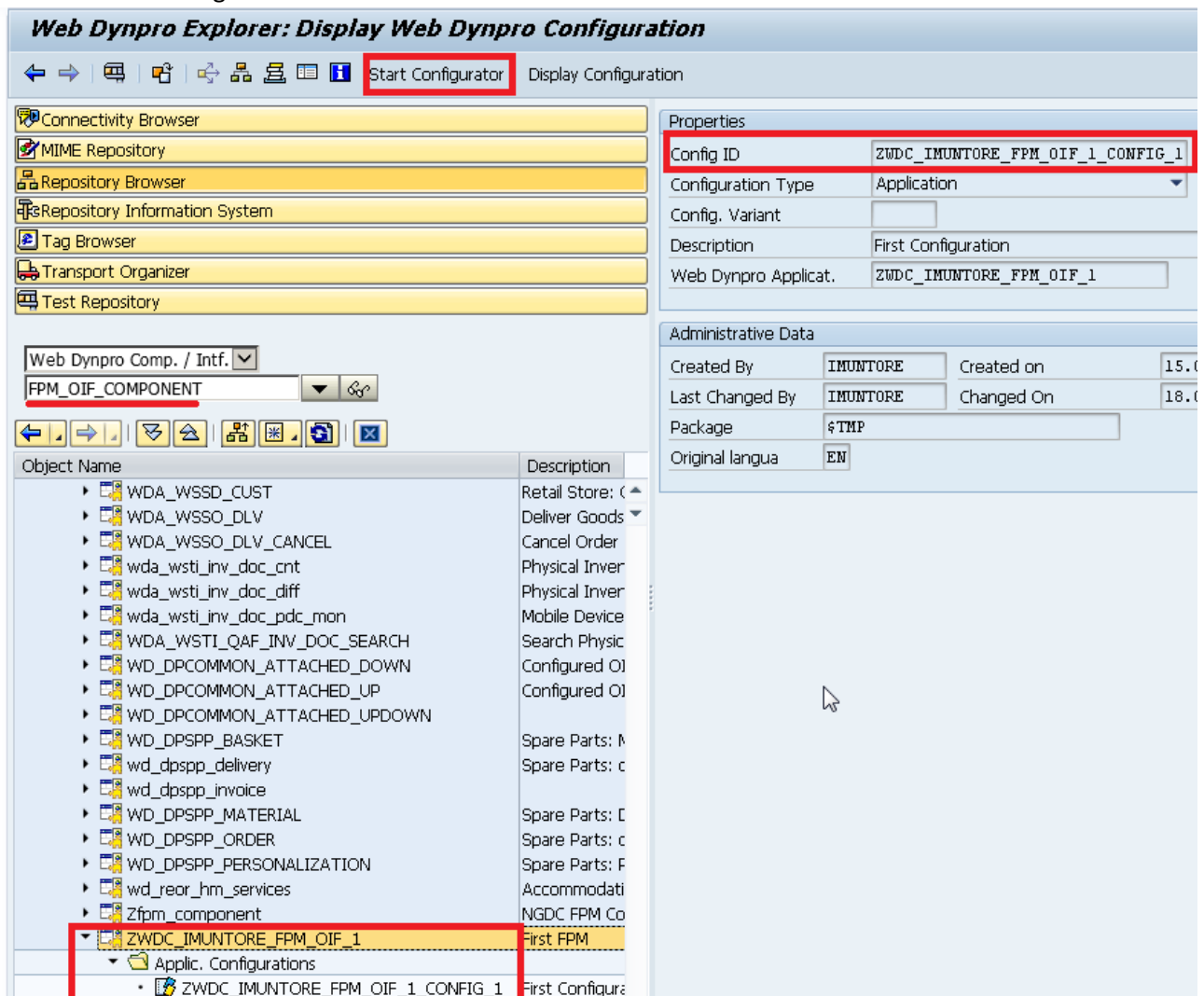
Number 6

Initial version by Igor Muntoreanu

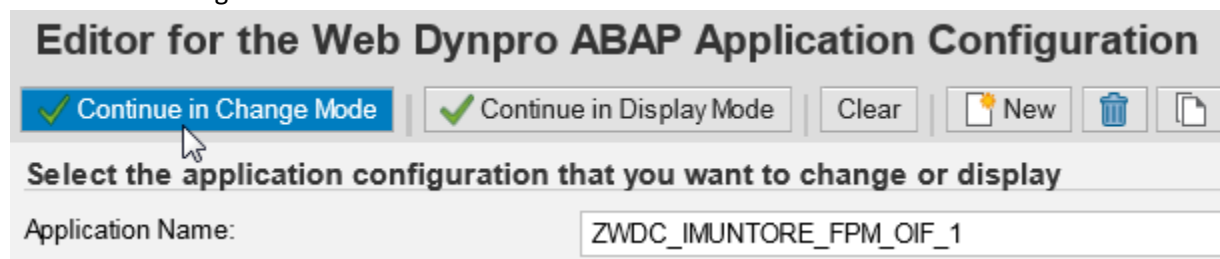
1) Homework

- Change the FPM title from “List of current users” to “My Views”

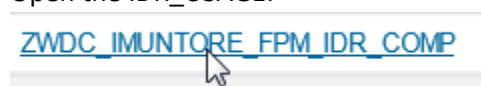
Start the FPM Configurator as shown below:



Continue in Change Mode



Open the IDR_USAGE:



Change the tittle:

Attributes of IDR Basic

Standard Attributes

Application Title:

My Views

Additional Functions

- ☐ New Window
- ☐ Create Customizing
- Show Properties

Save  and test it

Test

Result:

My Views

User List

Work Processes

	Client	User
	000	SAP_WSRT
	000	SAP_WSRT
	800	BGRFC_SUI
	800	BGRFC_SUI
	800	BGRFC_SUI

- b. Create a third tab with reference to some of your created WD Components.

List of current users	
User List	Work Processes Third tab
Client	User
000	SAPSYS
000	SAP_WSRT
000	SAP_WSRT
800	BGRFC_SUPER
800	BGRFC_SUPER

We will do that by inheriting the View of the component ZWDC_USER_IMUNTORE_ALV.

- i. Open our OIF FPM Component ZWDC_IMUNTORE_FPM_OIF_1

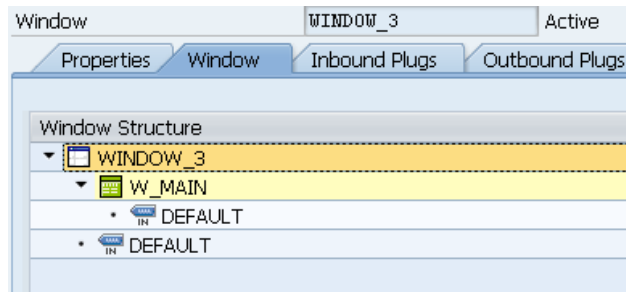
Set the Component Use like shown below:

Web Dynpro Component	ZWDC_IMUNTORE_FPM_OIF_1	Active	
Description	First FPM example		
Assistance Class			
Created By	IMUNTORE	Created On	15.07.2
Last Changed By	IMUNTORE	Changed On	19.07.2
Original Lang.	EN	Package	\$TMP
<input checked="" type="checkbox"/> Accessibility Checks Active			
Used Components		Implemented interfaces	
Used Web Dynpro Components			
Component Use	Component	Description	
ALV_APP	ZWDC_USER_IMUNTORE_ALV	Display Use	

Create a new window:

Web Dynpro: Create Window	
Component	ZWDC_IMUNTORE_FPM_OIF_1
Window	WINDOW_3
Description	ALV Window

Embed the view as demonstrated below of the ALV_APP Component Use. Result:



- ii. Open the FPM_OIF_COMPONENT
Start the Configurator

Start Configurator Display Configuration

Properties

Config ID	ZWDC_IMUNTORE_FPM_OIF_1_CONFIG_1		
Configuration Type	Application		
Config. Variant			
Description	First Configuration		
Web Dynpro Applicat.	ZWDC_IMUNTORE_FPM_OIF_1		

Administrative Data

Created By	IMUNTORE	Created on	15.07
Last Changed By	IMUNTORE	Changed On	18.07
Package	S_TMP		
Original language	EN		

Open the OIF Component Configuration Name as demonstrated below:

Configuration Name

ZWDC_IMUNTORE_FPM_OIF_COMP

Create a new Main View and assign our Component and the Window name WINDOW_3:

My Views

User List Work Processes ALV View

User List

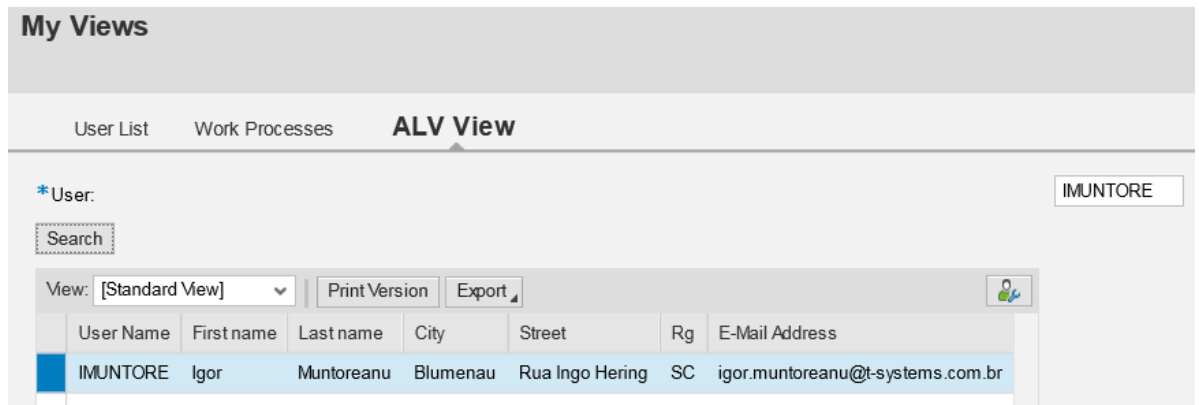
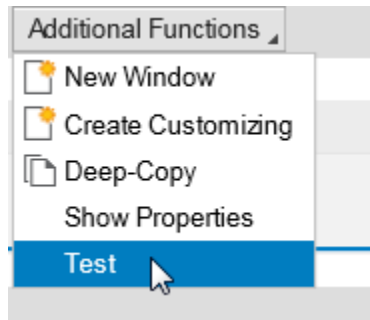
Component Name: ZWDC_IMUNTORE_FPM_OIF_1
Window Name: WINDOW_1
No Configuration Name

Object Instance Schema Toolbar Schema Wire Schema

Main View Subview Explanation UIBB Up Down Configure U

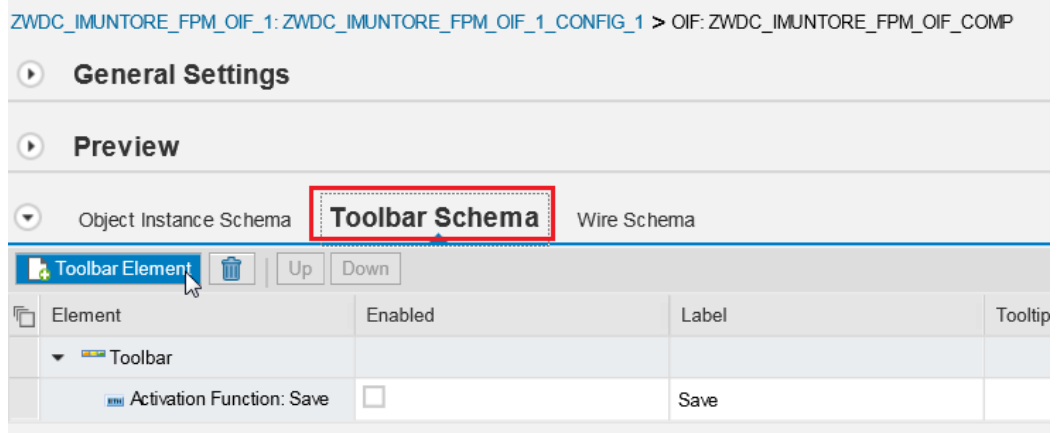
Element	Component	Config ID	Window Name
Main View: User List			
Main View: Work Processes			
Main View: ALV View			
Subview: Subview 3 1			
UIBB: (1)	ZWDC_IMUNTORE_FPM_OIF_1		WINDOW_3

iii. Test it:



c. Start the FPM Configurator, create a new “Refresh” button in the Tollbar by changing the Tollbar Schema inside the OIF Component [ZWDC_IMUNTORE_FPM_OIF_COMP](#).

i. Open the Configurator and go to the ZWDC_IMUNTORE_FPM_OIF_COMP



Component Controller COMPONENTCONTROLLER Active						
Properties Context Attributes Events Methods						
Method	Method T...	Interfa...	Description	Event	Controller	Comp. Interface
AFTER_FAILED_EVENT	Method	<input type="checkbox"/>				IF_FPM_UI_BUILDING_BLOCK
EXECUTE_TH_USER_LIST	Method	<input type="checkbox"/>				
EXECUTE_TH_WPINFO	Method	<input type="checkbox"/>				
FLUSH	Method	<input type="checkbox"/>				IF_FPM_UI_BUILDING_BLOCK
NEEDS_CONFIRMATION	Method	<input type="checkbox"/>				IF_FPM_UI_BUILDING_BLOCK
PROCESS_BEFORE_OUTPUT	Method	<input type="checkbox"/>				IF_FPM_UI_BUILDING_BLOCK
PROCESS_EVENT	Method	<input type="checkbox"/>				IF_FPM_UI_BUILDING_BLOCK

To understand what we need to do, just follow the steps bellow. First, set a break-point, activate, test the application and check the debug:

```

1  method PROCESS_EVENT .
2
3  endmethod.

```

Check the parameters of the called method:

```

124  method
125  iwci_if_fpm_ui_building_block-process_event. "RFC NEEDED
126  "=====
127
128  me->f_appl_class->process_event(
129  exporting
130  !io_event = !io_event
131  !it_interface_views = !it_interface_views
132  importing
133  !ev_result = !ev_result
134  ).
135
136  endmethod.
137
138  "=====
139  method
140  if_wdr_component_delegate-md do_init. "RFC NEEDED

```

ABAP and Screen Stack

Sta...	Sta...	S.. Event Type	Event
25		METHOD	PROCESS_EVENT
24		METHOD	IWCI_IF_FPM_UI_BUILDING_BLOCK~PRO
23		METHOD	CALL_UIBB_PROCESS_EVENT
22		METHOD	PROCESS_EVENT

Variables 1 Variables 2 Locals Globals Auto Memory

S...	Variable	V...	Val.
	IO_EVENT		{0:1664*\CLASS=CL_FPM_EVENT}
	IT_INTERFACE_VIEWS		[1x1(8)]Standard Table

As we can see the ID of the event is:

Reference IO_EVENT

Object {0:1664*\CLASS=CL_FPM_EVENT}

View

Attribute

St...	Bin...	Vis...	Attrib.	Val...	Val.
			OBJECT		
			CL_FPM_EVENT		
			MO_EVENT_DATA		{0:1663*\CLASS=CL_FPM_PARAMETER}
			MS_SOURCE_UIBB		
			MV_EVENT_ADAPTS_CON...		
			MV_EVENT_ID		FPM_REFRESH

And we have a constant in the class for that:


		GC_EVENT_REFRESH	FPM_REFRESH
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Now, let's code it:

```
1> METHOD process_event .
2>
3> IF io_event->mv_event_id = io_event->gc_event_refresh.
4>     wd_this->execute_th_user_list( ).
5>     wd_this->execute_th_wpinfo( ).
6> ENDIF.
7>
8> ENDMETHOD.
```

Finally test it, by selecting the Work Processes and pressing the Refresh:

My Views



Work Processes											
User List			Work Processes			ALV View					
	Work ProcessNo.	Process cat.	Process type	Process PID	Status	Status	Reason for wait	waiting for	Semaphore no.	Restart	Restart
	0	Dialog ▼	DIA	5404	2	Waiting	0			1	Yes
	1	Dialog ▼	DIA	5484	2	Waiting	0			1	Yes
	2	Dialog ▼	DIA	4908	2	Waiting	0			1	Yes
	3	Dialog ▼	DIA	5476	2	Waiting	0			1	Yes
	4	Dialog ▼	DIA	5504	2	Waiting	0			1	Yes

```

464 METHOD process_event .
465
466 IF io_event->mv_event_id = io_event->gc_event_refresh.
467     wd_this->execute_th_user_list( ).
468     wd_this->execute_th_wpinfo( ).
469 END IF.

```

Done!