



CALLING A WEBDYNPRO APPLICATION FROM ANOTHER WEBDYNPRO APPLICATION

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The project performed using tutorial from the
site <https://sapcodes.com/>

Scenario: In this case two web dynpro components/applications are there. One web dynpro application calls another web dynrpo application based on user interaction (Button Click).

Step1. Create a web dynpro component in SE80.

Step2. Provide description and continue.

Step3. In the VIEW MAIN add text_view..



Repository Browser

View MAIN Active

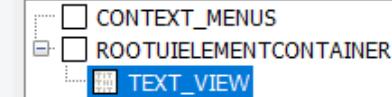
Properties Layout Inbound Plugs Outbound Plugs Context Attributes Actions Methods

ZST67_COMP_CALLED

Object Name

- ZST67_COMP_CALLED
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
 - Windows
 - Web Dynpro Applications

Called from a different webdynpro app



Property	Value	Binding
ID	TEXT_VIEW	
contextMenuBehaviour	inherit	
contextMenuItemId		
design	standard	
enabled	<input checked="" type="checkbox"/>	
hAlign	auto	
layout	native	
menuIndicator	triangleOnHover	
semanticColor	standard	
styleClassName		
text	Called from a different webdynpro app	
textDirection	inherit	
tooltip		
verticalSpacing	standard	
visible	visible	
width		

Step4. Create a web dynpro application:

Web Dynpro Explorer: Display Web Dynpro Application

Web Dynpro Application Edit Goto Utilities Environment System Help

Repository Browser

Application ZST67_COMP_CALLED Saved

Properties Parameters

Description called application

Component ZST67_COMP_CALLED

Interface View ZST67_COMP_CALLED

Plug Name DEFAULT

Help Links

Authorization Check

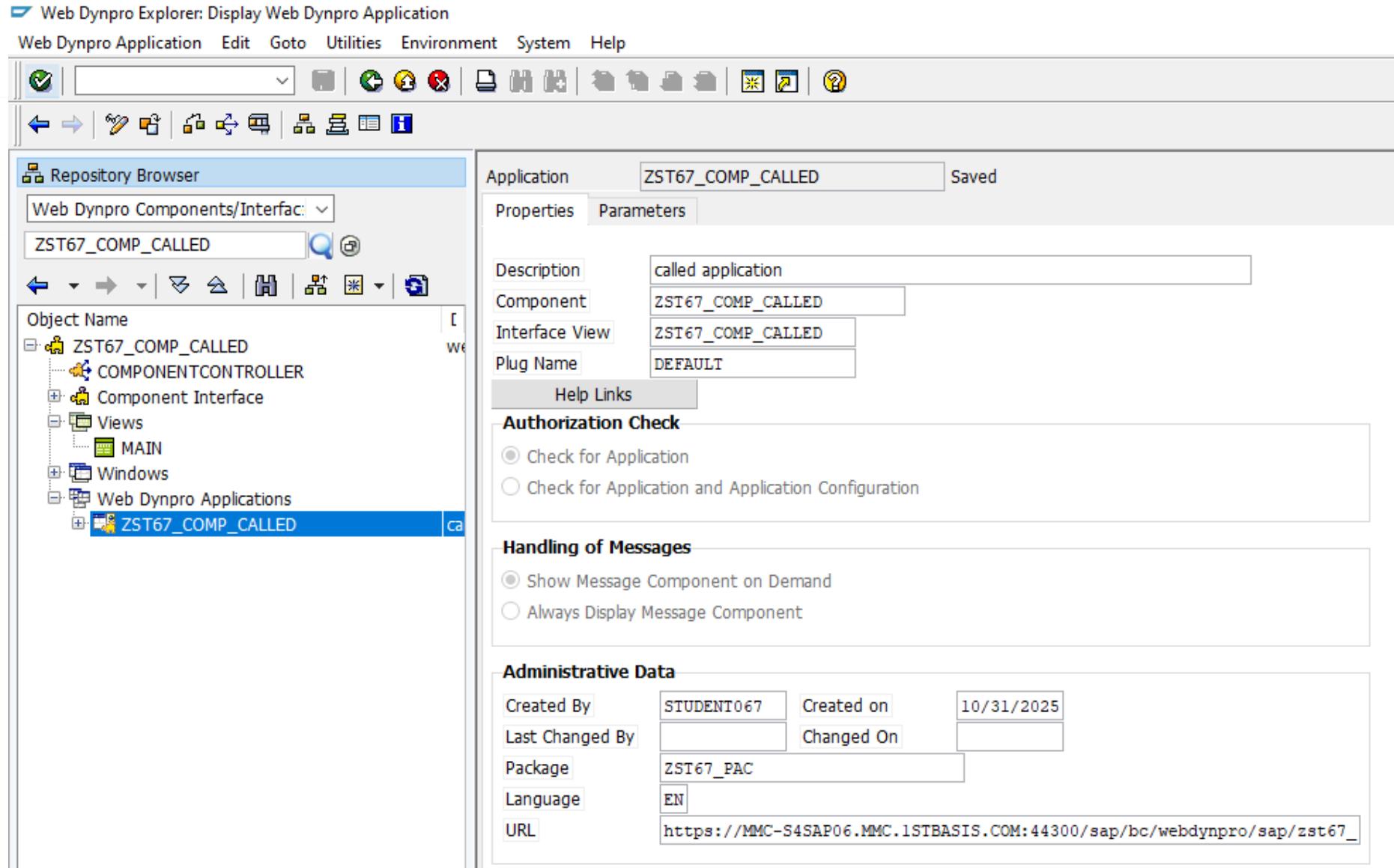
Check for Application
 Check for Application and Application Configuration

Handling of Messages

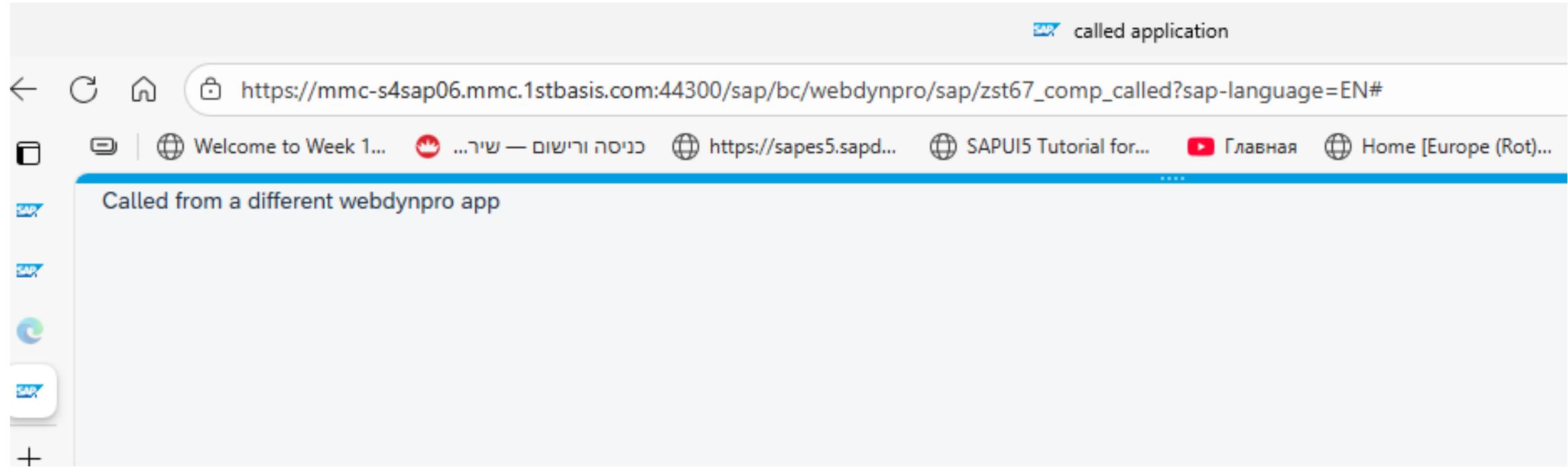
Show Message Component on Demand
 Always Display Message Component

Administrative Data

Created By	STUDENT067	Created on	10/31/2025
Last Changed By		Changed On	
Package	ZST67_PAC		
Language	EN		
URL	https://MMC-S4SAP06.MMC.1STBASIS.COM:44300/sap/bc/webdynpro/sap/zst67_		



Step5. test a web dynpro application:



Step6. Create another application who is going to call the previous created application.

Web Dynpro Explorer: Change Web Dynpro Application

Web Dynpro Application Edit Goto Utilities Environment System Help

Repository Browser

Web Dynpro Components/Interface ZST67_COMP_CALLING

Object Name ZST67_COMP_CALLING

- COMPONENTCONTROLLER
- Component Interface
- Views

 - MAIN

- Windows
- Web Dynpro Applications
- ZST67_COMP_CALLING

Application ZST67_COMP_CALLING Saved

Properties Parameters

Description zwd_comp_calling_appl

Component ZST67_COMP_CALLING

Interface View ZST67_COMP_CALLING

Plug Name DEFAULT

Help Links

Authorization Check

Check for Application

Check for Application and Application Configuration

Handling of Messages

Show Message Component on Demand

Always Display Message Component

Administrative Data

Created By	STUDENT067	Created on	11/01/2025
Last Changed By		Changed On	
Package	ZST67_PAC		
Language	EN		
URL	https://MMC-S4SAP06.MMC.1STBASIS.COM:44300/sap/bc/webdynpro/sap/zst67_		

Step 7. In the View create a text element.

Step 8. Place a button on the View and provide the button text. As per our demo, while this user click on this button this would call another web dynpro application.

Web Dynpro Explorer: Change View for ZST67_COMP_CALLING

View Edit Goto Utilities Environment System Help

Repository Browser

Web Dynpro Components/Interfaces

ZST67_COMP_CALLING

Object Name

- ZST67_COMP_CALLING
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
 - Windows
 - Web Dynpro Applications
 - ZST67_COMP_CALLING

MAIN

Properties Layout Inbound Plugs Outbound Plugs Context Attributes Actions Methods

Favorites

Text

Click on thebutton to call a different webdynpro application

Call a new webdynpro application

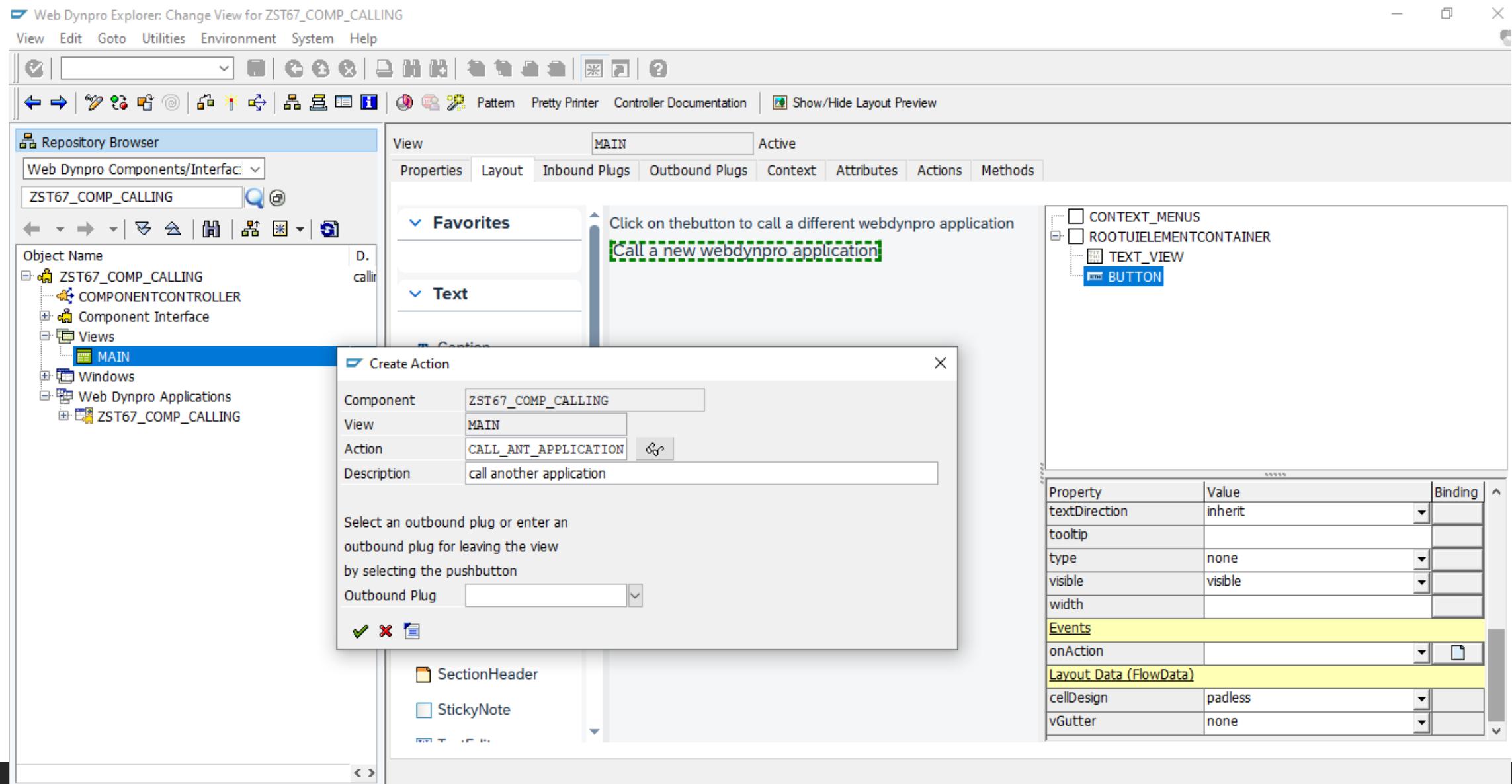
CONTEXT_MENU ROOTUIELEMENTCONTAINER TEXT_VIEW BUTTON

Property Value

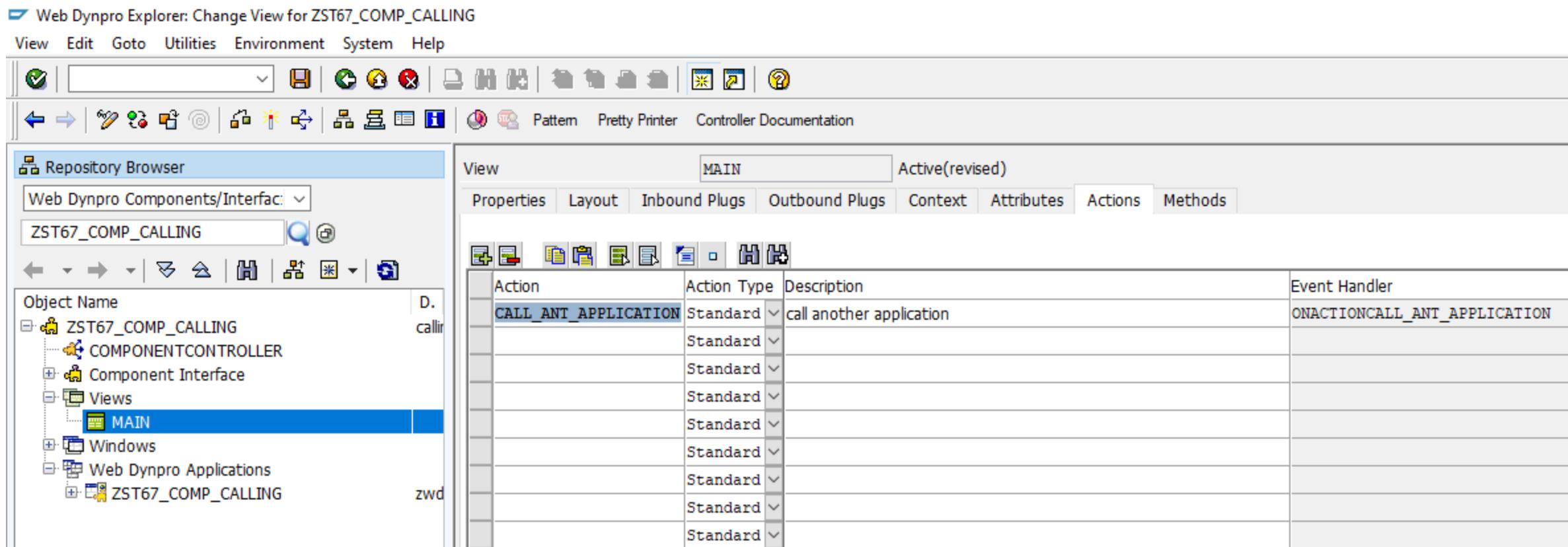
ID	TEXT_VIEW
contextMenuBehaviour	inherit
contextMenuItemId	
design	standard

The screenshot shows the SAP Web Dynpro Explorer interface. On the left, the Repository Browser displays the structure of the component ZST67_COMP_CALLING, including its views (MAIN). The MAIN view is selected. The Properties tab is active. In the Favorites section under Text, the 'Text' item is selected. A tooltip above the 'Text' item says 'Click on thebutton to call a different webdynpro application'. Below it is a button labeled 'Call a new webdynpro application'. To the right, the object tree shows the hierarchy: CONTEXT_MENU > ROOTUIELEMENTCONTAINER > TEXT_VIEW > BUTTON. A table on the far right lists properties for the TEXT_VIEW component, with the ID set to TEXT_VIEW. The context menu behavior is set to inherit, and the design is standard.

Step 9. In the events section of the button, click on the CREATE button for the OnAction option. Provide an Action name and description and at last click on Continue button.



Step10. Click on the Actions Tab and double click on the Event Handler method name for the above created button event.



Step11. Provide the below code in the method.

Web Dynpro Explorer: Change View for ZST67_COMP_CALLING

View Edit Goto Utilities Environment System Help

Repository Browser

Web Dynpro Components/Interface

ZST67_COMP_CALLING

Object Name

- ZST67_COMP_CALLING
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
- Windows
- Web Dynpro Applications
- ZST67_COMP_CALLING

D. callin

zwd

View MAIN Active(revised)

Properties Layout Inbound Plugs Outbound Plugs Context Attributes Actions Methods

Action List Method

Event Handler ONACTIONCALL ANT APPLICATION

Parameter RefTo Opt Associated Type Description

WDEVENT CL_WD_CUSTOM_EVENT

```
1 □ METHOD onactioncall_ant_application .
2   DATA : o_comp TYPE REF TO if_wd_component.
3   CALL METHOD wd_comp_controller->wd_get_api
4     RECEIVING
5       result = o_comp.
6   DATA : wdw_mgr TYPE REF TO if_wd_window_manager.
7   CALL METHOD o_comp->get_window_manager
8     RECEIVING
9       window_manager = wdw_mgr.
10  DATA :appl_url TYPE string.
11  CALL METHOD cl_wd_utilities=>construct_wd_url
12    EXPORTING
13      application_name = 'ZST67_COMP_CALLED'
14    IMPORTING
15      out_absolute_url = appl_url.
16  DATA : wdw TYPE REF TO if_wd_window.
17
```

Scope: \METHOD onactioncall_ant_application ABAP Ln 1 Col 1

The screenshot shows the SAP Web Dynpro Explorer interface. The left pane displays the repository browser with the object 'ZST67_COMP_CALLING' selected. The right pane shows the 'Methods' tab for the 'MAIN' view, specifically the 'onactioncall_ant_application' method. The code editor contains ABAP code for this method, which handles component calls and constructs URLs. The code includes declarations for parameters like 'o_comp' and 'appl_url', and calls to methods like 'wd_get_api' and 'construct_wd_url'. The code editor has syntax highlighting and line numbers.



Action List



Method



Event Handler

ONACTIONCALL ANT APPLICATION

```
1  METHOD onactioncall_ant_application .  
2      DATA : o_comp TYPE REF TO if_wd_component.  
3      CALL METHOD wd_comp_controller->wd_get_api  
4          RECEIVING [REDACTED]  
5              result = o_comp.  
6      DATA : wdw_mgr TYPE REF TO if_wd_window_manager.  
7      CALL METHOD o_comp->get_window_manager  
8          RECEIVING [REDACTED]  
9              window_manager = wdw_mgr.  
10     DATA :appl_url TYPE string.  
11     CALL METHOD cl_wd_utilities=>construct_wd_url  
12         EXPORTING [REDACTED]  
13             application_name = 'ZST67_COMP_CALLED'  
14         IMPORTING [REDACTED]  
15             out_absolute_url = appl_url.  
16     DATA : wdw TYPE REF TO if_wd_window.  
17
```



Action List



Method



Event Handler

ONACTIONCALL ANT APPLICATION

```
19
20      CALL METHOD wdw_mgr->create_external_window
21          EXPORTING
22              url      = appl_url
23          RECEIVING
24              window = wdw.
25
26          " CALL BELOW METHOD TO OPEN THE WINDOW
27          CALL METHOD wdw->open.
28      ENDMETHOD.
```

Step12. Create an application.

Web Dynpro Explorer: Display Web Dynpro Application

Web Dynpro Application Edit Goto Utilities Environment System Help

Repository Browser

Object Name

- ZST67_COMP_CALLING
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
 - Windows
 - Web Dynpro Applications
 - ZST67_COMP_CALLING

Application ZST67_COMP_CALLING Saved

Properties Parameters

Description zwd_comp_calling_appl

Component ZST67_COMP_CALLING

Interface View ZST67_COMP_CALLING

Plug Name DEFAULT

Help Links

Authorization Check

Check for Application

Check for Application and Application Configuration

Handling of Messages

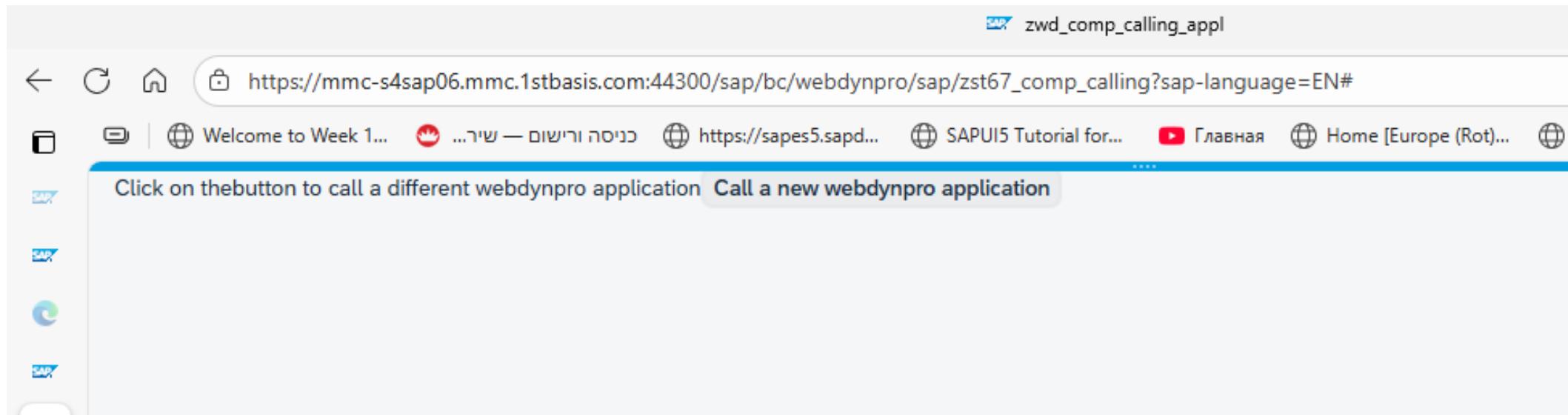
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URL	https://MMC-S4SAP06.MMC.1STBASIS.COM:44300/sap/bc/webdynpro/sap/zst67_		

Step13. Save the application name and test it:



Step14. The button click calls another web dynpro application window.

