



CALLING A WEBDYNPRO APPLICATION FROM ANOTHER WEBDYNPRO APPLICATION

SIT DOLOR AMET

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 dynpro 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

Web Dynpro Components/Interface

ZST67_COMP_CALLED



Object Name

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

View

MAIN

Active

Properties

Layout

Inbound Plugs

Outbound Plugs

Context

Attributes

Actions

Methods

Called from a different webdynpro app

- ☐ CONTEXT_MENUS
- ☐ ROOTUIELEMENTCONTAINER
 - ☒ TEXT_VIEW

Property	Value	Binding
ID	TEXT_VIEW	
contextMenuBehaviour	inherit	
contextMenuId		
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

Web Dynpro Components/Interfac: v

ZST67_COMP_CALLED

Object Name

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

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

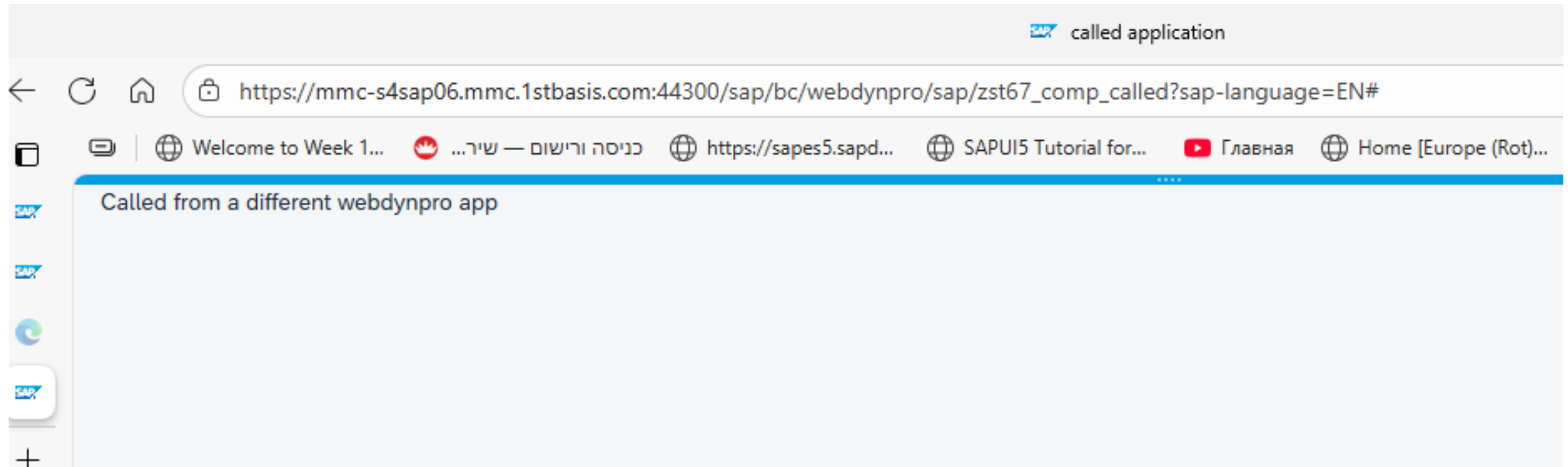
Last Changed By Changed On

Package ZST67_PAC

Language EN

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

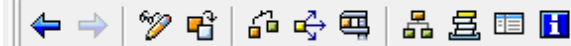
Step5. test a web dynpro application:



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: v

ZST67_COMP_CALLING



Object Name

ZST67_COMP_CALLING

D.

COMPONENTCONTROLLER

Component Interface

Views

MAIN

Windows

Web Dynpro Applications

ZST67_COMP_CALLING

zwd

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/Interfac: ▾

ZST67_COMP_CALLING 🔍

← ▾ → ▾

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Object Name

📁 ZST67_COMP_CALLING

📁 COMPONENTCONTROLLER

📁 Component Interface

📁 Views

📄 MAIN

📁 Windows

📁 Web Dynpro Applications

📁 ZST67_COMP_CALLING

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zw...

View

MAIN

Active

Properties Layout Inbound Plugs Outbound Plugs Context Attributes Actions Methods

📁 Favorites

📁 Text

📄 Caption

📄 Explanation

📄 FormattedTextEdit

📄 FormattedTextView

📄 InputField

📄 InputTokenizer

Click on thebutton to call a different webdynpro application

Call a new webdynpro application

☐ CONTEXT_MENUS

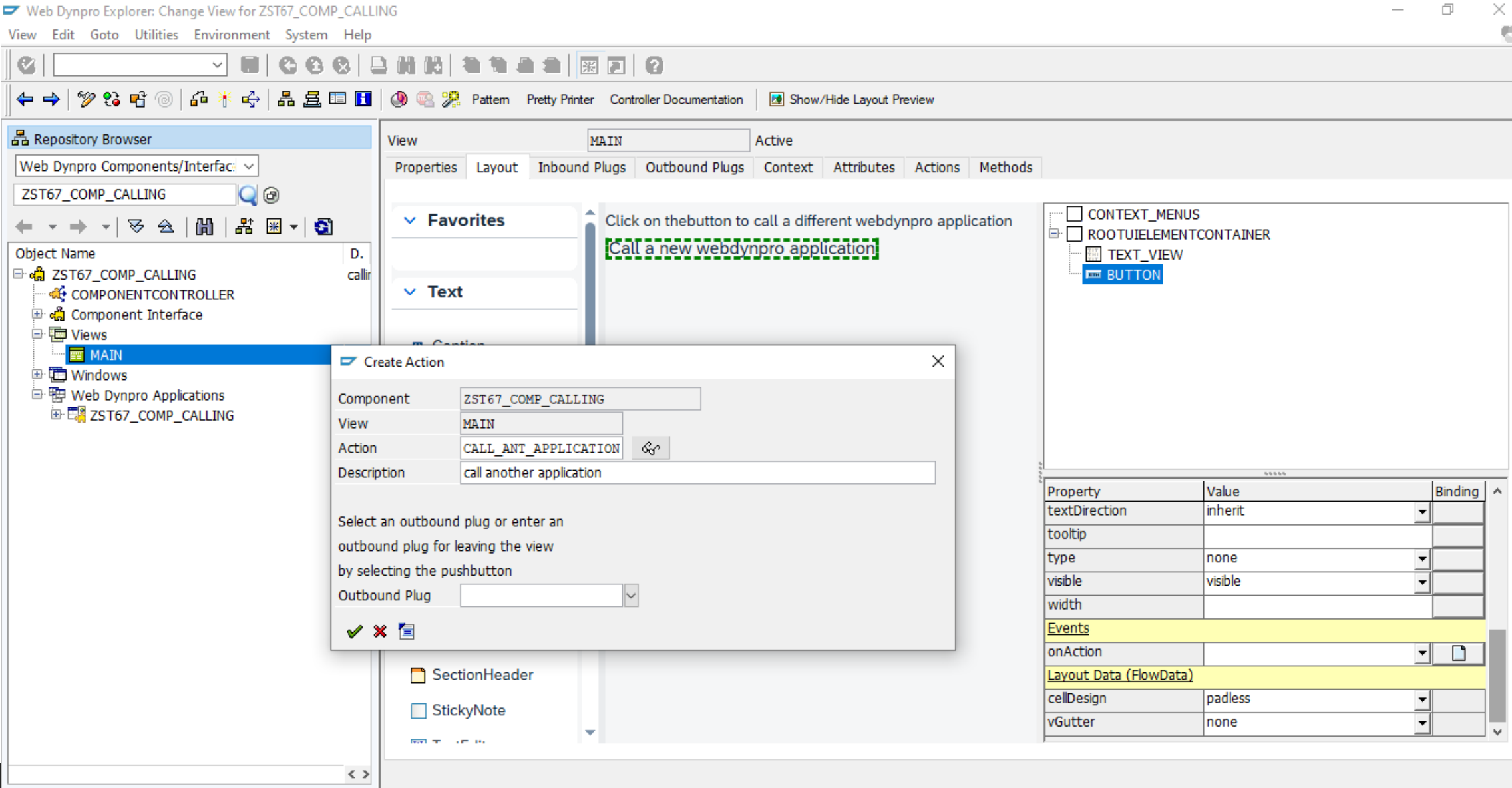
☐ ROOTUIELEMENTCONTAINER

📄 TEXT_VIEW

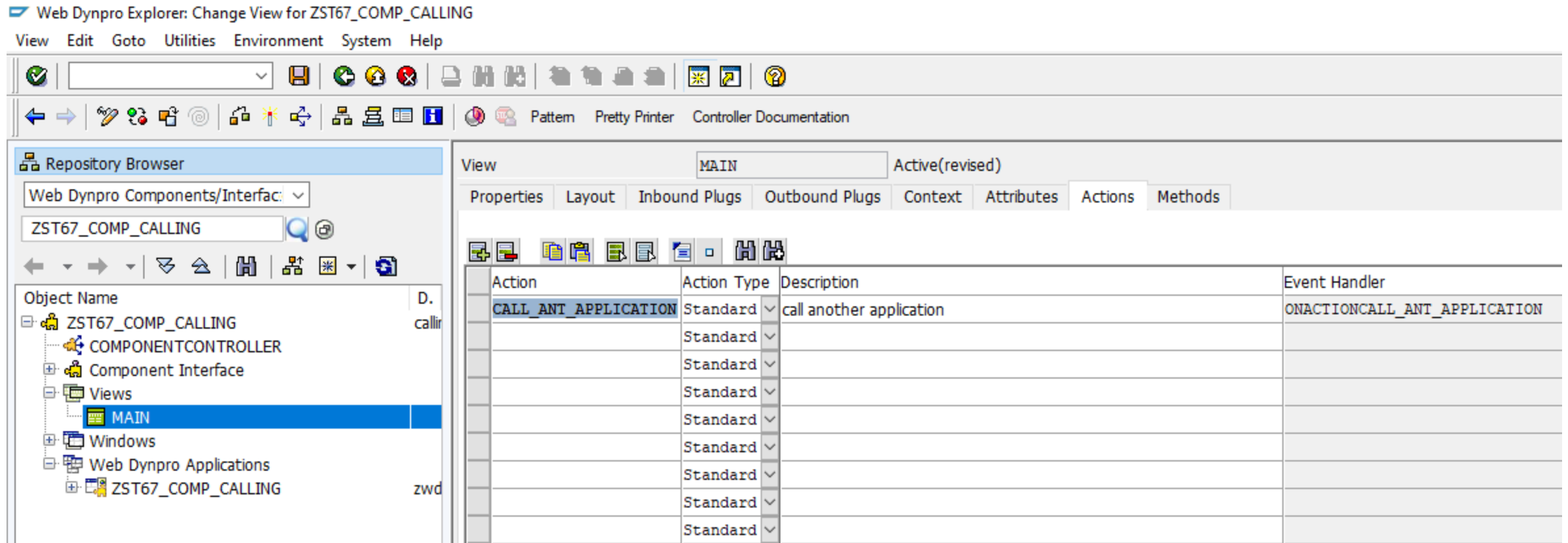
📄 BUTTON

Property	Value
ID	TEXT_VIEW
contextMenuBehaviour	inherit
contextMenuId	
design	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/Interfac:

Object Name

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

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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

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  
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  
18     " CALL THE DESIRED METHOD TO CREATE A WINDOW BY PASS
```

← 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

The screenshot displays the Web Dynpro Explorer interface. On the left, the 'Repository Browser' pane shows a tree structure under 'Web Dynpro Components/Interface'. The selected object is 'ZST67_COMP_CALLING', which contains sub-objects: 'COMPONENTCONTROLLER', 'Component Interface', 'Views' (with 'MAIN' selected), 'Windows', and 'Web Dynpro Applications' (with 'ZST67_COMP_CALLING' selected). The main area on the right shows the configuration for the selected application.

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

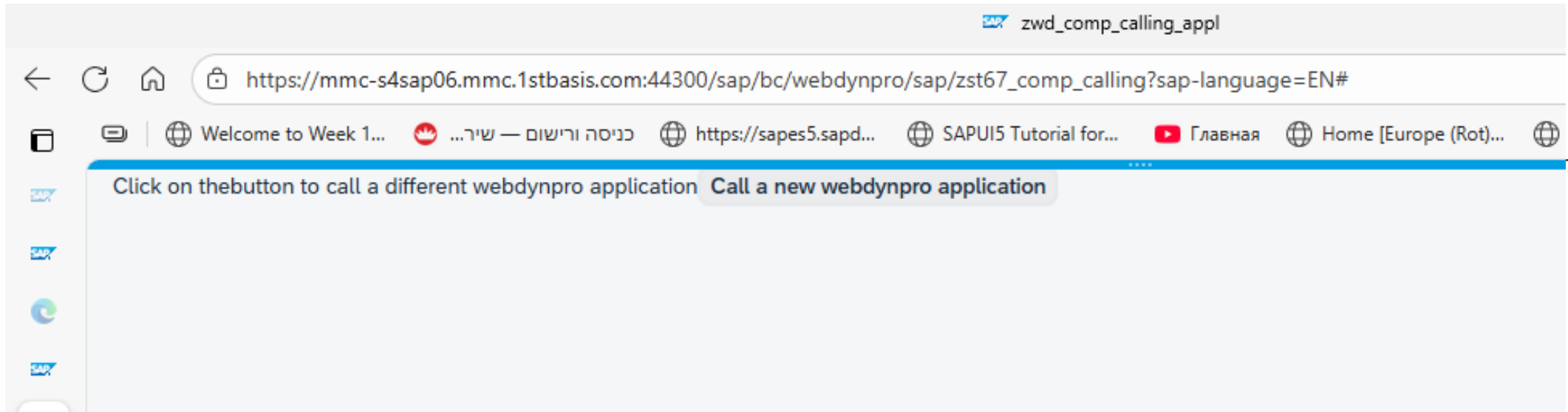
Handling of Messages

- ☒ 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_		

Step13. Save the application name and test it:



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

