Using Exit Plug in Web Dynpro for ABAP

Applies to:

SAP Web Dynpro for ABAP

For more information, visit the Web Dynpro ABAP homepage.

Summary

In this tutorial you will learn how to use an Exit Plug in Web Dynpro for ABAP.

We will create a simple ABAP Web Dynpro Application to demonstrate using Exit Plug with minimum coding.

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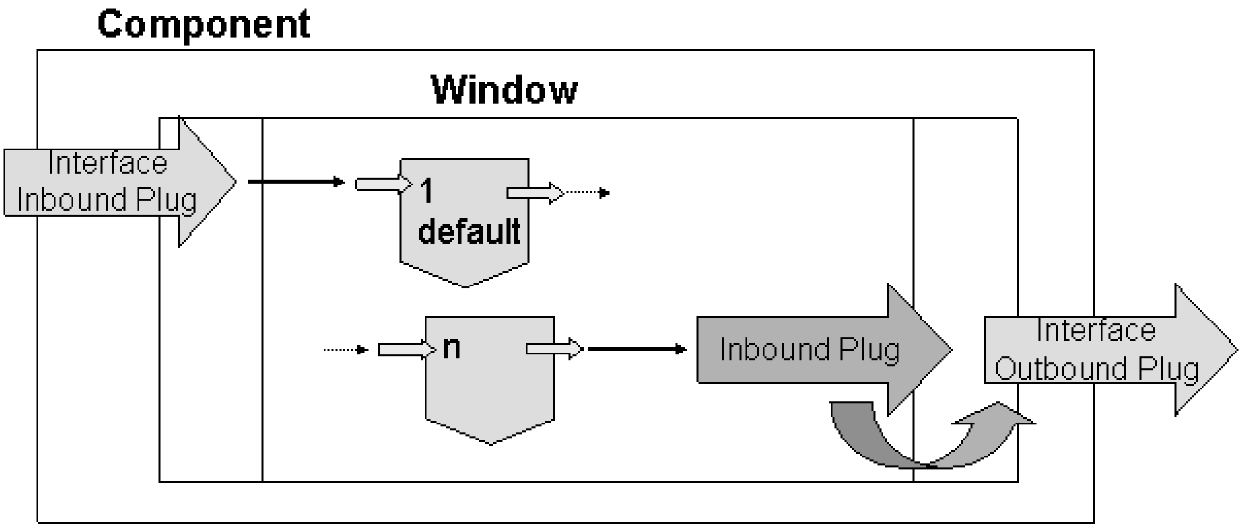
Introduction

Windows can be included in the navigation chain using their Inbound and Outbound Plugs. These plugs can be made a part of Interface View (externally visible) by ensuring that the “Interface” checkbox is selected.



An Outbound Plug of Window declared as an Exit Plug and having the Interface property selected can serve to close its associated Component or moreover exit the ABAP Web Dynpro Application provided that Component is the outermost one in the chain.

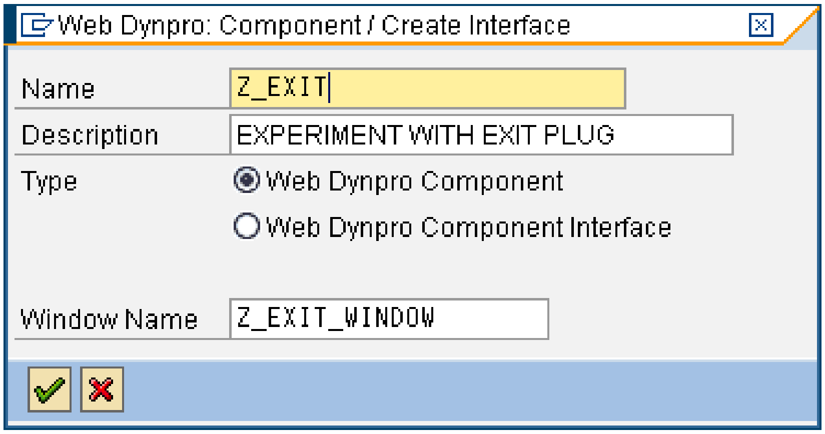
“URL” is a special importing parameter for the exit plug which if defined opens up the page specified for URL once the plug is triggered. If “URL” is not defined, a standard exit page opens up on exit.

Here we would create a simple ABAP Web Dynpro Application and exit this application by triggering the Exit Plug.

Demonstrating use of Exit plug through Simple Application

Creating the Component, Window and View

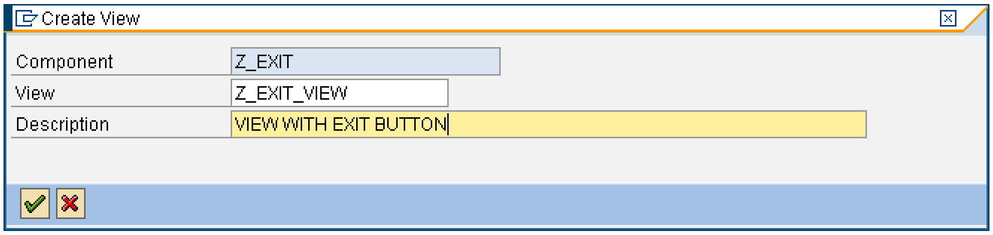
In ABAP Work Bench create a Web Dynpro Component. Let’s name the Component Z_EXIT and Window Z_EXIT_WINDOW.



Web Dynpro: Component / Create Interface

Name	Z_EXIT
Description	EXPERIMENT WITH EXIT PLUG
Type	● Web Dynpro Component ○ Web Dynpro Component Interface
Window Name	Z_EXIT_WINDOW

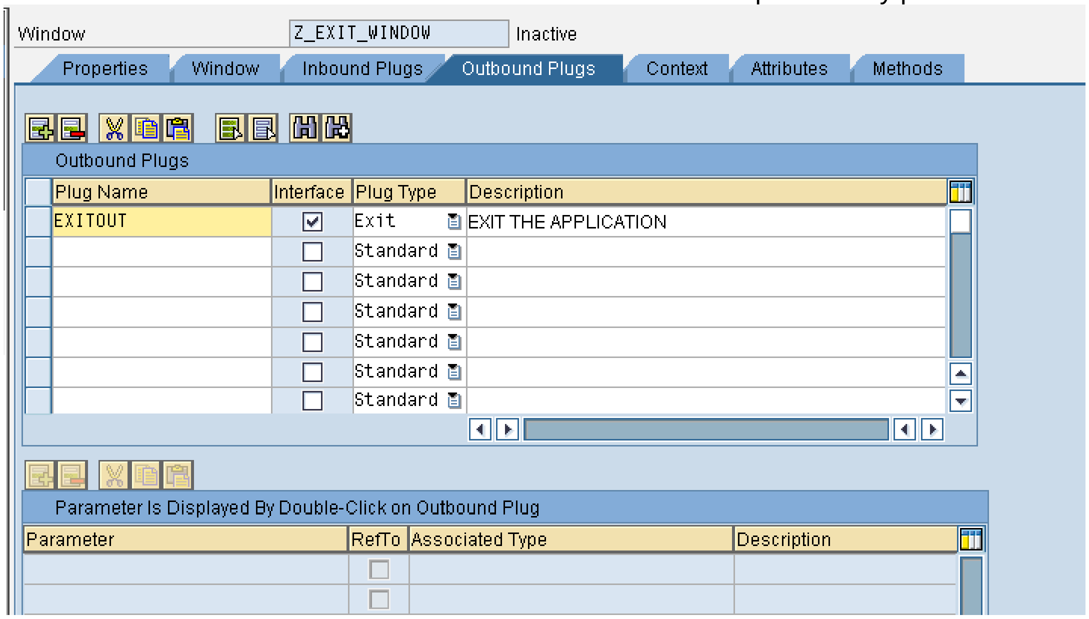
Now Create a View where we would place the exit buttons and name it Z_EXIT_VIEW.



Component	Z_EXIT
View	Z_EXIT_VIEW
Description	VIEW WITH EXIT BUTTON

Creating Exit Plugs for Window

Create an Outbound Plug of Type Exit under Outbound Plugs Tab of EXIT_WINDOW and let's name it as EXITOUT. Remember to select the checkbox – Interface. Don't provide any parameters for this Plug.



Window Z_EXIT_WINDOW Inactive

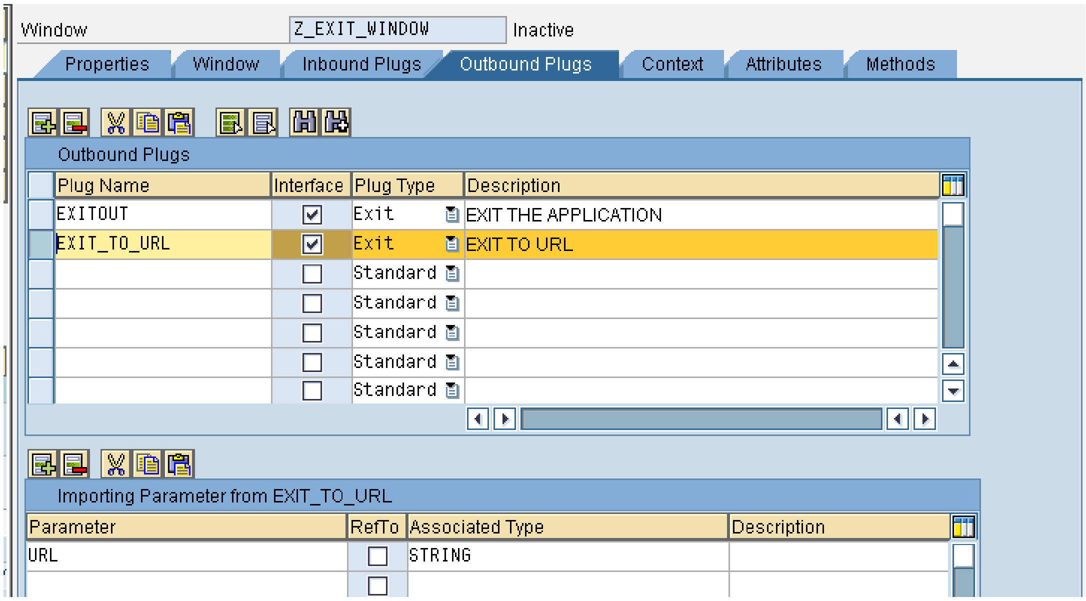
Outbound Plugs

Plug Name	Interface	Plug Type	Description
EXITOUT	☑	Exit	EXIT THE APPLICATION
	□	Standard	
	□	Standard	
	□	Standard	
	□	Standard	
	□	Standard	
	□	Standard	

Parameter Is Displayed By Double-Click on Outbound Plug

Parameter	RefTo	Associated Type	Description
	□		
	□		

Create another Plug EXIT_TO_URL similar to the earlier one but with a parameter called URL of type string.



Window Z_EXIT_WINDOW Inactive

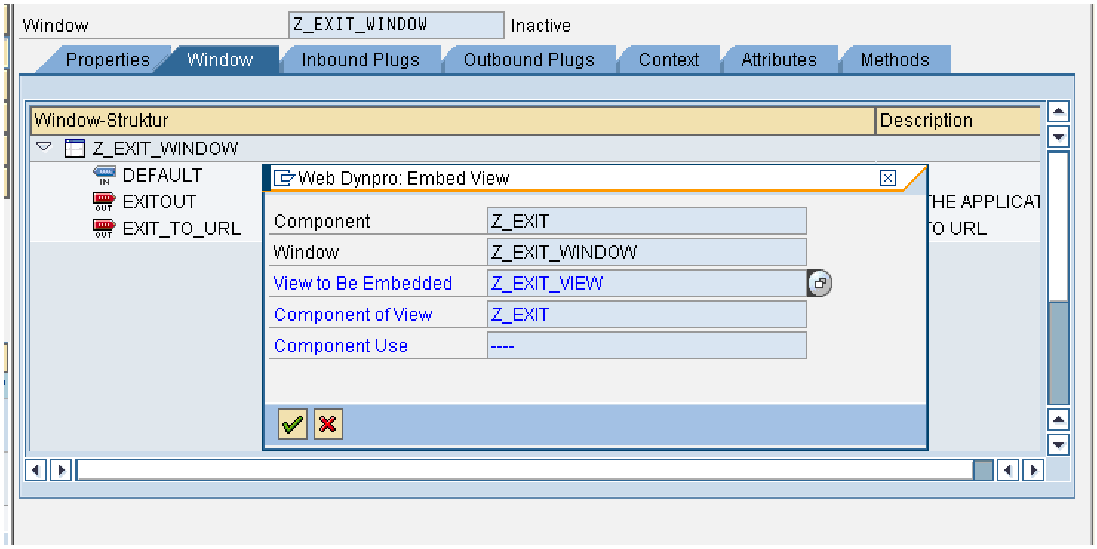
Outbound Plugs

Plug Name	Interface	Plug Type	Description
EXITOUT	☑	Exit	EXIT THE APPLICATION
EXIT_TO_URL	☑	Exit	EXIT TO URL
	□	Standard	
	□	Standard	
	□	Standard	
	□	Standard	
	□	Standard	

Importing Parameter from EXIT_TO_URL

Parameter	RefTo	Associated Type	Description
URL	□	STRING	
	□		

Now embed EXIT_VIEW in the Window



Window: Z_EXIT_WINDOW — Inactive

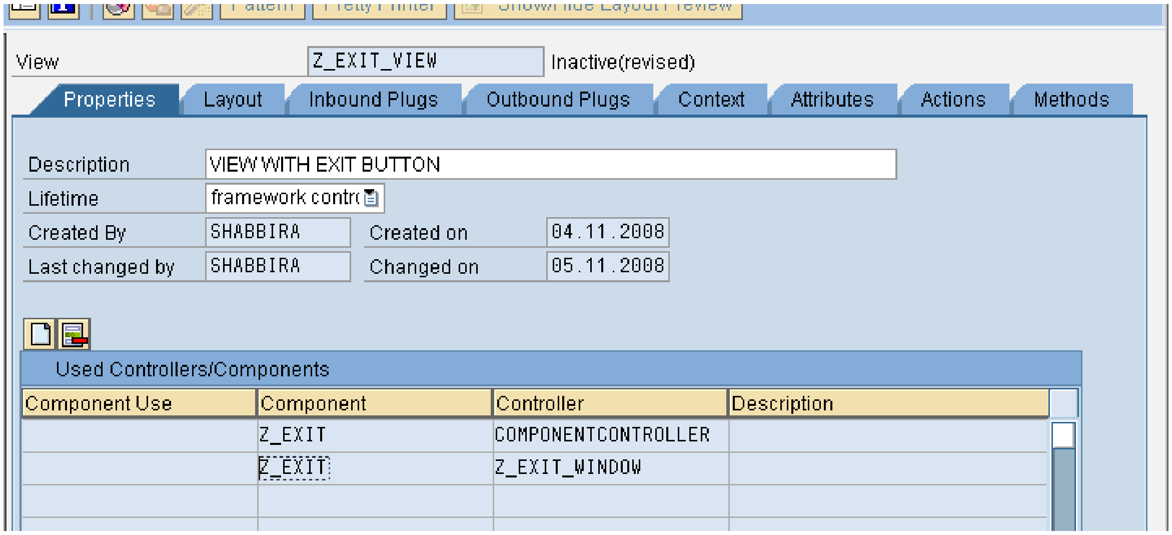
Window-Struktur	Description
Z_EXIT_WINDOW	
DEFAULT	
EXITOUT	HE APPLICAT
EXIT_TO_URL	O URL

Web Dynpro: Embed View

Component	Z_EXIT
Window	Z_EXIT_WINDOW
View to Be Embedded	Z_EXIT_VIEW
Component of View	Z_EXIT
Component Use	----

Calling Exit Plug from View

In the EXIT_VIEW add Z_EXIT_WINDOW as used controller to allow firing the exit plug from view.



View: Z_EXIT_VIEW — Inactive(revised)

Description	VIEW WITH EXIT BUTTON		
Lifetime	framework contr		
Created By	SHABBIRA	Created on	04.11.2008
Last changed by	SHABBIRA	Changed on	05.11.2008

Used Controllers/Components

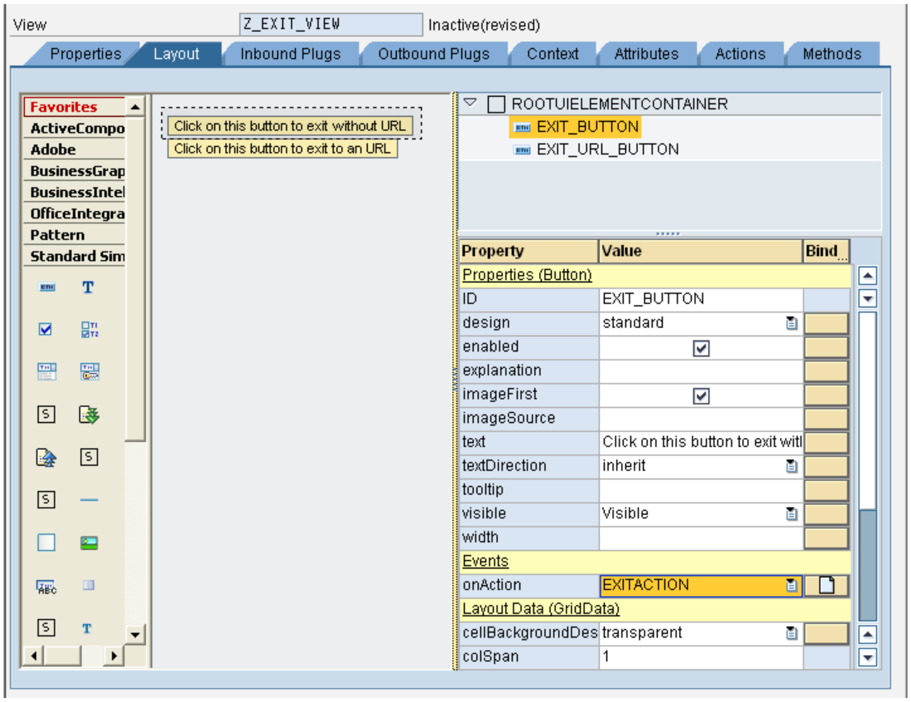
Component Use	Component	Controller	Description
	Z_EXIT	COMPONENTCONTROLLER	
	Z_EXIT	Z_EXIT_WINDOW	

Now create two buttons in the Exit View, one that will fire the EXITOUT Plug without any parameters and the other that would fire EXIT_TO_URL Plug with the URL parameter.

EXIT_BUTTON will fire EXITOUT Plug which will take us to a default exit screen with close window button.

EXIT_OUT_BUTTON will fire the EXIT_TO_URL Plug which would direct the browser to the specified URL parameter.

Create the Actions for these two buttons which would fire the exit plug of window. Follow the steps as shown below.



View Z_EXIT_VIEW Inactive(revised)

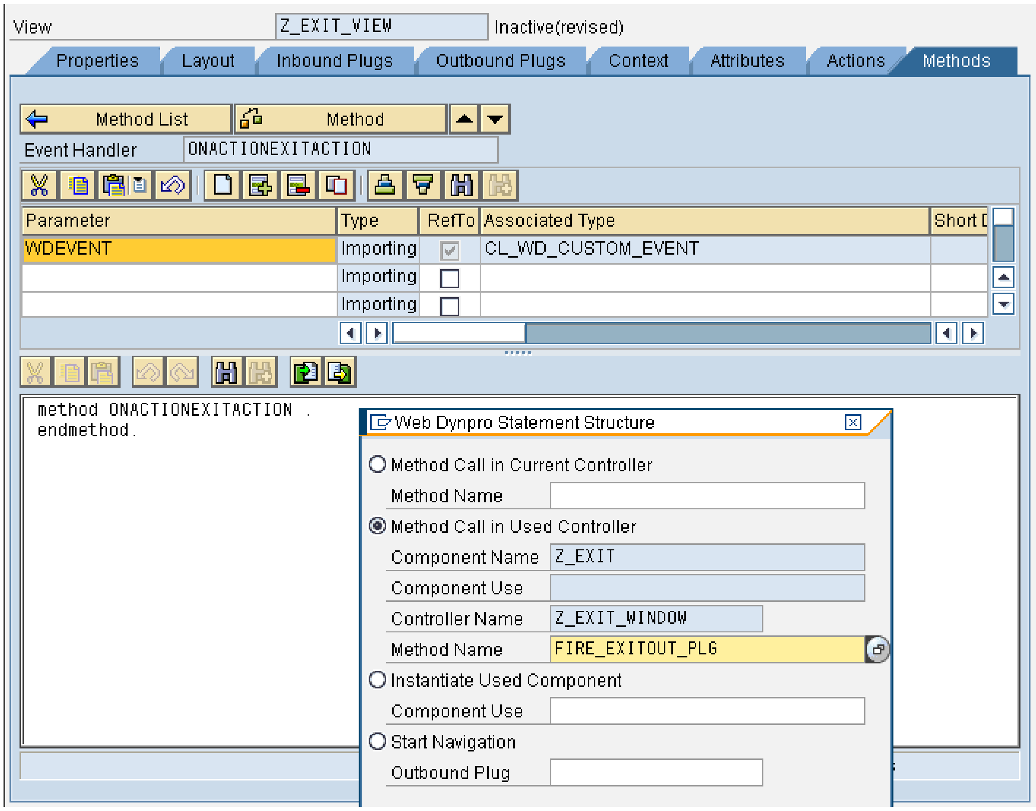
Click on this button to exit without URL

Click on this button to exit to an URL

ROOTUIELEMENTCONTAINER
- EXIT_BUTTON
- EXIT_URL_BUTTON

Property	Value	Bind
Properties (Button)		
ID	EXIT_BUTTON	
design	standard	
enabled	☑	
explanation		
imageFirst	☑	
imageSource		
text	Click on this button to exit witl	
textDirection	inherit	
tooltip		
visible	Visible	
width		
Events		
onAction	EXITACTION	
Layout Data (GridData)		
cellBackgroundDes	transparent	
colSpan	1	

Using Code Wizard fire EXITOUT Plug.



View Z_EXIT_VIEW Inactive(revised)

Event Handler ONACTIONEXITACTION

Parameter	Type	RefTo	Associated Type	Short [
WDEVENT	Importing	☑	CL_WD_CUSTOM_EVENT	
	Importing	□		
	Importing	□		

```
method ONACTIONEXITACTION .
endmethod.
```

Web Dynpro Statement Structure

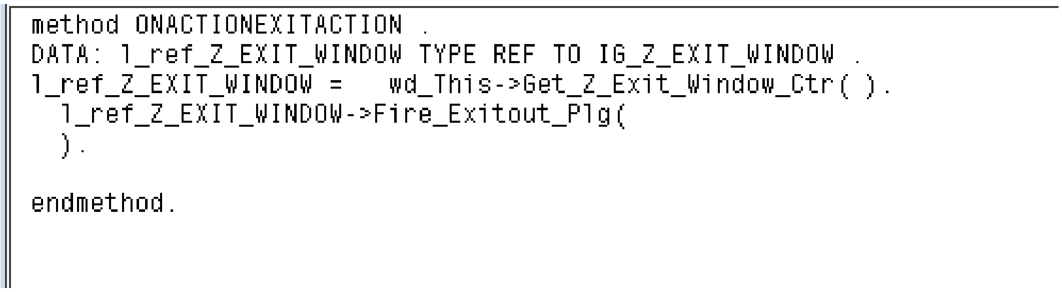
○ Method Call in Current Controller
Method Name

● Method Call in Used Controller
Component Name Z_EXIT
Component Use
Controller Name Z_EXIT_WINDOW
Method Name FIRE_EXITOUT_PLG

○ Instantiate Used Component
Component Use

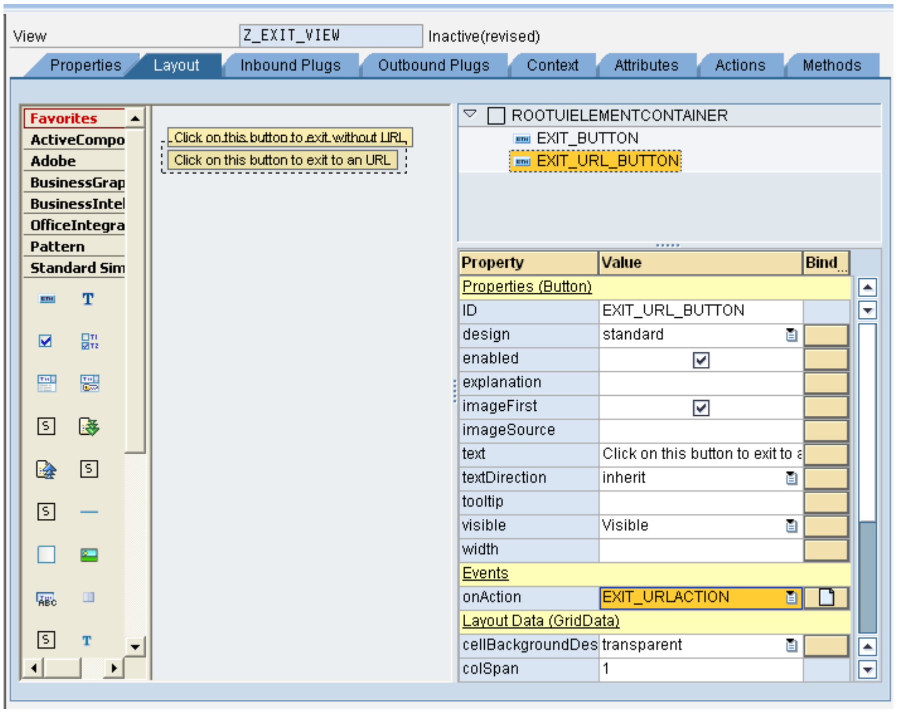
○ Start Navigation
Outbound Plug

This will generate the following code:



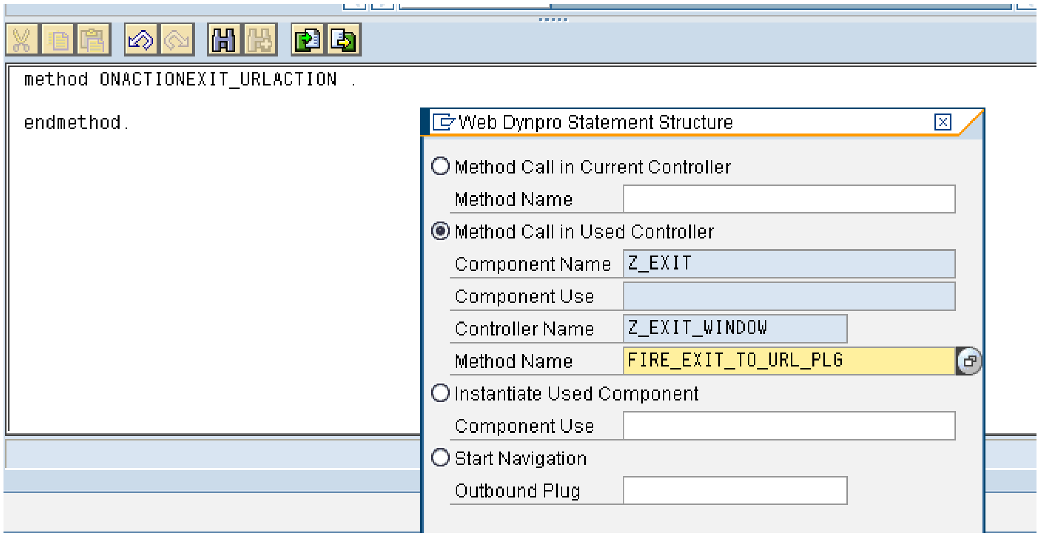
```
method ONACTIONEXITACTION .
DATA: l_ref_Z_EXIT_WINDOW TYPE REF TO IG_Z_EXIT_WINDOW .
l_ref_Z_EXIT_WINDOW =   wd_This->Get_Z_Exit_Window_Ctr( ).
  l_ref_Z_EXIT_WINDOW->Fire_Exitout_Plg(
  ).

endmethod.
```

Repeat same steps for the other button but now we would fire the other Exit Plug: EXIT_TO_URL.



View Z_EXIT_VIEW Inactive(revised)

Property	Value	Bind
Properties (Button)		
ID	EXIT_URL_BUTTON	
design	standard	
enabled	☑	
explanation		
imageFirst	☑	
imageSource		
text	Click on this button to exit to a	
textDirection	inherit	
tooltip		
visible	Visible	
width		
Events		
onAction	EXIT_URLACTION	
Layout Data (GridData)		
cellBackgroundDes	transparent	
colSpan	1	



```
method ONACTIONEXIT_URLACTION .

endmethod.
```

Web Dynpro Statement Structure

○ Method Call in Current Controller

Method Name	

● Method Call in Used Controller

Component Name	Z_EXIT
Component Use	
Controller Name	Z_EXIT_WINDOW
Method Name	FIRE_EXIT_TO_URL_PLG

○ Instantiate Used Component

Component Use	

○ Start Navigation

Outbound Plug	

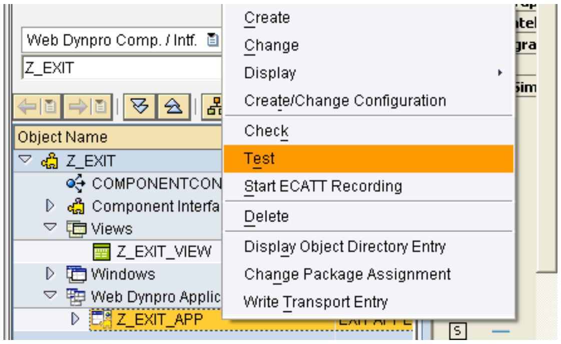
Specifying URL for Plug

Specify a URL into the generated code.

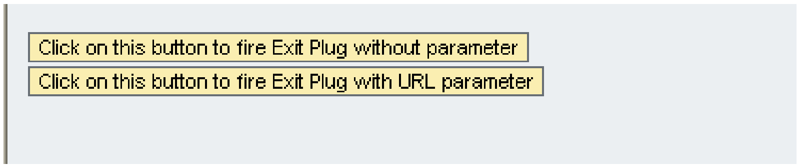
```
method ONACTIONEXIT_URLACTION .
DATA: l_ref_Z_EXIT_WINDOW TYPE REF TO IG_Z_EXIT_WINDOW .
l_ref_Z_EXIT_WINDOW =   wd_This->Get_Z_Exit_Window_Ctr( ).
  l_ref_Z_EXIT_WINDOW->Fire_Exit_To_Url_Plg(
    URL =  'http://www.hcltech.com'
  ).

endmethod.
```

Executing the Plug

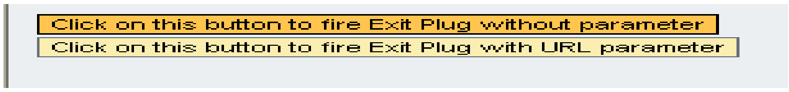
Create an Application say, Z_EXIT_APP. Activate and test the application.



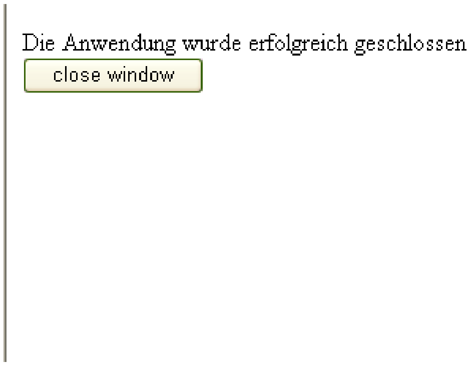
Result


Click on this button to fire Exit Plug without parameter
Click on this button to fire Exit Plug with URL parameter

For button1

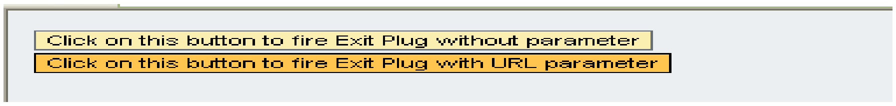

Click on this button to fire Exit Plug without parameter
Click on this button to fire Exit Plug with URL parameter

We have a default screen with close window button.

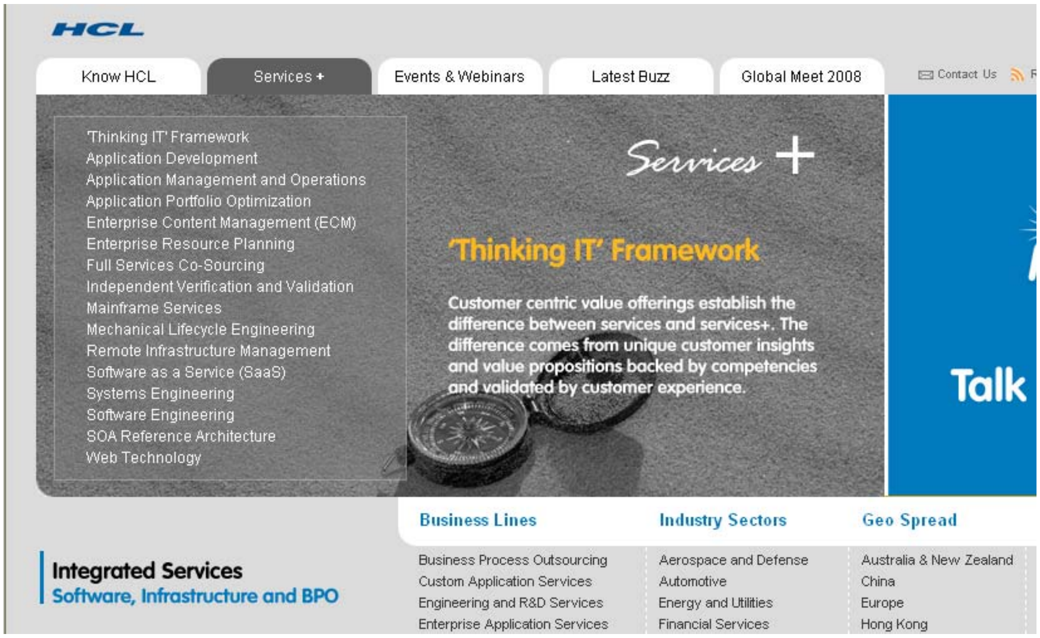


Die Anwendung wurde erfolgreich geschlossen

For button2


Click on this button to fire Exit Plug without parameter
Click on this button to fire Exit Plug with URL parameter

Browser opens up the URL specified in the parameter.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Enterprise Resource Planning
Full Services Co-Sourcing
Independent Verification and Validation
Mainframe Services
Mechanical Lifecycle Engineering
Remote Infrastructure Management
Software as a Service (SaaS)
Systems Engineering
Software Engineering
SOA Reference Architecture
Web Technology
Services +
'Thinking IT' Framework
Talk
Integrated Services
Software, Infrastructure and BPO
Business Lines
Industry Sectors
Geo Spread
Business Process Outsourcing
Custom Application Services
Engineering and R&D Services
Enterprise Application Services
Aerospace and Defense
Automotive
Energy and Utilities
Financial Services
Australia & New Zealand
China
Europe
Hong Kong

Customer centric value offerings establish the difference between services and services+. The difference comes from unique customer insights and value propositions backed by competencies and validated by customer experience.

Note: This tutorial is targeted for users trying to get the first insight into using Exit Plugs. Please refer to the links provided under Related Content for more information and appropriate use of Plugs in different scenarios. Please note that the exit plug does not work in Portal environment.

Related Content

- Window Plugs: Startup and Exit - SAP NetWeaver Library
- Forum: Web Dynpro ABAP
- Snippets Web Dynpro ABAP- How to use Outbound Plug of a Window
- For more information, visit the Web Dynpro ABAP homepage

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