Applies to:
SAP ABAP Workbench that supports Web Dynpro development. For more information, visit the [Web Dynpro ABAP homepage](http://web.sap.com). 

Summary
This document provides step by step guidance to use Contextual Panel UI element in Web Dynpro ABAP.

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Created on: 30th August 2011

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Table of Contents

Introduction: ................................................................................................................................. 3
Pre-requisites: ............................................................................................................................... 3
Requirement: ................................................................................................................................. 3
Component Creation: ................................................................................................................... 3
Output: .......................................................................................................................................... 8
Result: ........................................................................................................................................... 8
Related Content ............................................................................................................................. 9
Disclaimer and Liability Notice .................................................................................................... 10
Introduction:
In this article, we shall see how to build an application with contextual panel UI element and thereby display multiple views embedded in one view. A contextual panel UI element shows clear separation between the views and improves the look and feel to an application using this concept.

Pre-requisites:
Basic knowledge of Web Dynpro ABAP in general; specifically the knowledge of creating a component, nodes and attributes and context mapping.

Requirement:
There shall be 3 Subordinate Views and one Main View. Based on search criteria in View 1, data has to be displayed in a Table of View 2 and the selected record from View 2 should be displayed in detail in View 3. We need to embed all the three views to a view container UI element in the Main View.

Component Creation:
Create a component with the following four views.

- View 1: Main View
- View 2: Search View
- View 3: Display View
- View 4: Selected View

Also create a window as shown below. Design all the views and embed views to the view container UI element in the main view under a group UI element and then assign Group to contextual panel UI element.

1. Create a node in the component controller by name ‘MARA’ and map the node to rest of the views
2. Create a node in the Search view by the name ‘SEARCH’ with two attributes MATNR1 and MATNR2
3. Define mapping: Drag and Drop ‘MARA’ node from component controller to Display view context and design a table
Design the layout using form template and a button as shown below

Implement the following code in the On Action Search

METHOD onactionsearch.

DATA : node_search TYPE REF TO if_wd_context_node,
elem_search TYPE REF TO if_wd_context_element,
node_mara TYPE REF TO if_wd_context_node,
it_mara TYPE if_search=>elements_mara,
lv_mat1 TYPE matnr,
lv_mat2 TYPE matnr.

* navigate from <CONTEXT> to <NODE_FLIGHT> via lead selection
node_search = wd_context->get_child_node( 'SEARCH' ).
* get element via lead selection
  elem_search = node_search->get_element( ).

* get declared attributes
  elem_search->get_attribute( EXPORTING name = 'MATNR1' IMPORTING value = lv_mat1 ).
  elem_search->get_attribute( EXPORTING name = 'MATNR2' IMPORTING value = lv_mat2 ).

* read data from database by passing where condition

  SELECT * FROM mara INTO CORRESPONDING FIELDS OF TABLE it_mara WHERE matnr BETWEEN lv_mat1 AND lv_mat2.

  IF it_mara IS NOT INITIAL.
  * navigate from <CONTEXT> to <NODE_FLIGHT> via lead selection
    node_mara = wd_context->get_child_node( 'MARA' ).
  * fill context node
    node_mara->bind_table( it_mara ).
  ENDIF.
ENDMETHOD.

Design Display view with a Table UI element and bind with Mara node

Design Selected View with a Form
Design Main View with two group UI elements, three view containers and two contextual panels.

Assign view container 1 to group1 and view container 2 and 3 to group 2.

Finally assign group 1 to contextual panel 1 and group 2 to contextual panel 2.

Now follow the steps how to create contextual panel.

1. Right click on the Root UI element Container ➔ Insert Element
   Name : Panel1
   Typ : Contextual Panel

2. Right Click on contextual Panel (Panel 1) ➔ Insert element
   Name : Free
   Typ : Free Contextual Area

3. Now assign the group 1 to Free contextual area

### Contextual Panel: A Contextual Panel UI Element Shows Clear Separation between the Views and Gives Look and Feel to an Application
Now assign Group 1 to Free1 as shown in the below screenshot and repeat the same process.
Now assign the group 2 to Free contextual area (Free 2).

Navigate to Window controller and embed respective views to respective view containers.
Designed VIEW with Contextual Panel UI element

Create Web Dynpro application. Save, activate and test the application

Output:

Result:
Related Content

http://help.sap.com/saphelp_nw70/helpdata/de/77/3545415ea6f523e10000000a155106/content.htm
http://wiki.sdn.sap.com/wiki/display/WDABAP/Web+Dynpro+ABAP+Home

For more information, visit the Web Dynpro ABAP homepage
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