Applies to:
SAP Net Weaver 7.0, Web Dynpro for ABAP. For more information, visit the Web Dynpro ABAP homepage.

Summary
Web dynpro application to demonstrate how to implement drop down by index using ALV.

Some times we may have a requirement to show the different values in each row of an ALV using Drop down. This is possible with dropdown by index using which we can assign different values to each and every row of an ALV. But it is quite different to implement in ALV. Where as in Table ui element we usually create one sub node under the parent node to fill the drop down values. In ALV we can not do the same instead we will take one additional attribute to which we will assign the value set.

Author: Suman Kumar Chinnam
Company: Yash Technologies
Created on: 13 July 2009

Author Bio
Suman Kumar is a Consultant for YASH Technologies, Pvt., and Ltd. Based in India. He has more than 2 and half years of IT experience. He has good knowledge in ABAP, BSP and Web Dynpro for ABAP.
# Table of Contents

Create a Web Dynpro Component .................................................................................................................................................................................. 3
  Create a Context node .......................................................................................................................................................................................... 3
  Output ........................................................................................................................................................................................................ 7

Related Content ................................................................................................................................................................................................. 8

Disclaimer and Liability Notice ................................................................................................................................................................................. 9
Dropdown by Index using ALV in Web Dynpro for ABAP

Create a Web Dynpro Component

Create a Web Dynpro component named as Z_ALV_DROPDOWN_INDEX and also create component usage for ALV.

Create a Context node

Create a context node as shown in the figure. Create one additional attribute VALUESET with type WDR_CONTEXT_ATTR_VALUE_SET to hold the values for drop down along with required attributes.
Go to the Layout and insert View container element and named it as VCU_ALV.

Now go to the WDDOINT method of view MAIN to implement required logic.

```plaintext
METHOD wddoinit.

DATA:
  lo_nd_mara TYPE KEY TO if wd_context_node,
  lo_el_mara TYPE KEY TO if wd_context_element,
  is_mara TYPE wd_this->element_mara,
  it_mara TYPE wd_this->elements_mara,
  lo_cmp_usage TYPE KEY TO if wd_component_usage,
  lv_value TYPE KEY TO cl_salv_wd_config_table,
  lr_column TYPE KEY TO cl_salv_wd_column,
  lr_drdsn TYPE KEY TO cl_salv_wd_iae_dropdown_by_idx,
  ls_value_set TYPE wdcr_context_attr_value,
  lv_tabix TYPE sy-tabix,
  lv_count[2] TYPE c,
  lo_interfacecontroller TYPE KEY TO iwci_salv_wd_table.

*--navigate from <CONTEXT> to <MAIN> via lead selection
  lo Nd_mara = wd_context->get_child_node( name = wd_this->wdctx_mara ).

*--get element via lead selection
  lo el_mara = lo nd_mara->get element | .
```
Hey there! You've landed on a page that's packed with programming code. It looks like there's a bit of a mix-up, though. Could you give me a quick rundown of what you're trying to do? Is it about handling dropdowns using ALV in Web Dynpro for ABAP? I've got a few minutes to help, so let me know! 😊
/*Get ALV table reference*/
lv_value = lo_interfacecontroller->get_model();

/*Now make the MTART column is drop down by index*/
CALL METHOD lv_value->if_salv wnd_column_settings->get_column
  EXPORTING
    id = 'MTART'
  RECEIVING
    value = lr_column.

/*Create object for dropdown*/
CREATE OBJECT lr_drdn
  EXPORTING
    selected_key_fieldname = 'MTART'.

CALL METHOD lr_drdn->set_valueset_fieldname
  EXPORTING
    value = 'VALUESET', " attribute of context node MARA"

CALL METHOD lr_drdn->set_type
  EXPORTING
    value = if_salv_wd_c_uie_drdn_by_index->type_key_convert_to_value.

CALL METHOD lr_column->set_call_editor
  EXPORTING
    value = lr_drdn.

CALL METHOD lv_value->if_salv_wd_table_settings->set_read_only
  EXPORTING
    value = abap_false.

ENDMETHOD.

Now go to window right click on view MAIN to embed the Interface controller view.
Dropdown by Index using ALV in Web Dynpro for ABAP

Output

Now create an application to test the component and the output is.

<table>
<thead>
<tr>
<th>Material</th>
<th>Ct</th>
<th>MTART</th>
<th>I</th>
<th>Mail Group</th>
<th>BLIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERVICE-DIP</td>
<td></td>
<td>TEST1</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>EMPLOYEE-OFF</td>
<td></td>
<td></td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>DP-TRAVEL</td>
<td></td>
<td>TEST4</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>DP-HARDWARE</td>
<td></td>
<td>TEST5</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>DP-COMMUNICATION</td>
<td></td>
<td>TEST6</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>Ct</th>
<th>MTART</th>
<th>I</th>
<th>Mail Group</th>
<th>BLIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERVICE-DIP</td>
<td></td>
<td>TEST1</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>EMPLOYEE-OFF</td>
<td></td>
<td>TEST4</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>DP-TRAVEL</td>
<td></td>
<td>TEST7</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>DP-HARDWARE</td>
<td></td>
<td>TEST10</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td>DP-COMMUNICATION</td>
<td></td>
<td>TEST13</td>
<td>S</td>
<td>SERVICE</td>
<td>AU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TEST14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TEST15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Related Content
For more information, visit the Web Dynpro ABAP homepage.
Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.