

<https://sapcodes.com/2015/11/21/alv-with-column-color/>

Create a web dynpro component and Use the standard ALV web dynpro component as the used controller.

Web Dynpro Explorer: Change Component

Component Documentation

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. ▾

ZTEST_011 ▾

Web Dynpro Component: ZTEST_011 ✓ Active

Description:

Assistance Class:

Created By: Created On:

Last Changed By: Changed On:

Original Lang.: EN Package:

☒ Accessibility Checks Active

Used Components | Implemented interfaces

Used Web Dynpro Components

Component Use	Component	Description of Component
ALV	SALV_WD_TABLE ✓	ALV Component

Object Name | Desc...

- ZTEST_011
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
 - Windows
 - ZTEST_011
 - Component Usages
 - ALV
 - INTERFACECONTROLLER_
 - Web Dynpro Applications
 - ZTEST_011

Go to the component controller and the used component. Go to the context node.

Web Dynpro Explorer: Change Controller for ZTEST_011

Component Controller: COMPONENTCONTROLLER Active

Properties Context Attributes Events Methods

Description: [Empty text box]

Created By: [Empty text box] Created on: [Empty text box]

Last Changed By: [Empty text box] Changed On: [Empty text box]

Used Controllers/Components

Component Use	Component	Controller	Description
ALV ✓	SALV_WD_TABLE	[Empty text box]	ALV Component
ALV ✓	SALV_WD_TABLE	INTERFACECONTROLLER	

Add a node(cardinality 0...n) and its attribute from the data dictionary structure.

Web Dynpro Explorer: Change Controller for ZTEST_011

[Connectivity Browser](#)
[MIME Repository](#)
[Repository Browser](#)
[Repository Information System](#)
[Tag Browser](#)

[Web Dynpro Comp. / Intf.](#)
 ZTEST_011

Object Name: ZTEST_011
 Desc...

- ZTEST_011
 - COMPONENTCONTROLLER
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 - Web Dynpro Applications
 - ZTEST_011

Component Controller: COMPONENTCONTROLLER Active

Properties Context Attributes Events **Methods**

Controller Usage

Context COMPONENTCONTROLLER

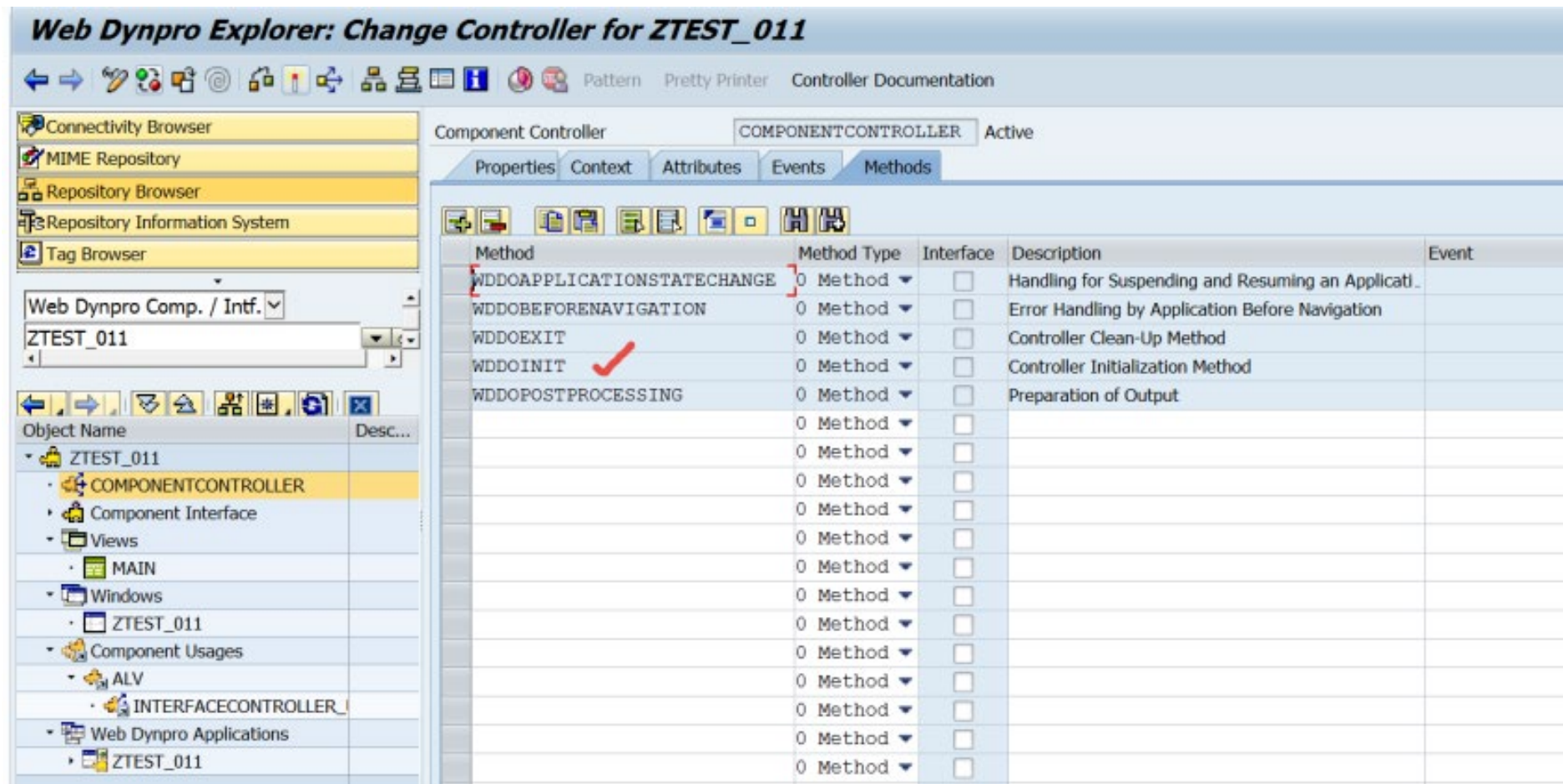
- CONTEXT
 - FLIGHT ✓
 - MANDT
 - CARRID
 - CARRNAME
 - CURRCODE

Context INTERFACECONTROLLER

- CONTEXT
 - DATA
 - FUNCTION_ELEMENTS
 - FILTER_VALUES
 - TOP_OF_LIST
 - END_OF_LIST

Property	Value
Nodes	
Node Name	FLIGHT
Interface Node	<input type="checkbox"/>
Input Element (Ext.)	<input type="checkbox"/>
Dictionary structure	SCARR ↵
Cardinality	0..n
Selection	0..1
Initialization Lead Selection	<input checked="" type="checkbox"/>
Singleton	<input type="checkbox"/>
Supply Function	

Go to the component controller WDDOINIT method.



Add the below code which select the data and binds to the context node.

Web Dynpro Explorer: Change Controller for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. | ZTEST_011

Object Name | Desc...

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 - ZTEST_011

Component Controller: COMPONENTCONTROLLER Active

Properties | Context | Attributes | Events | Methods

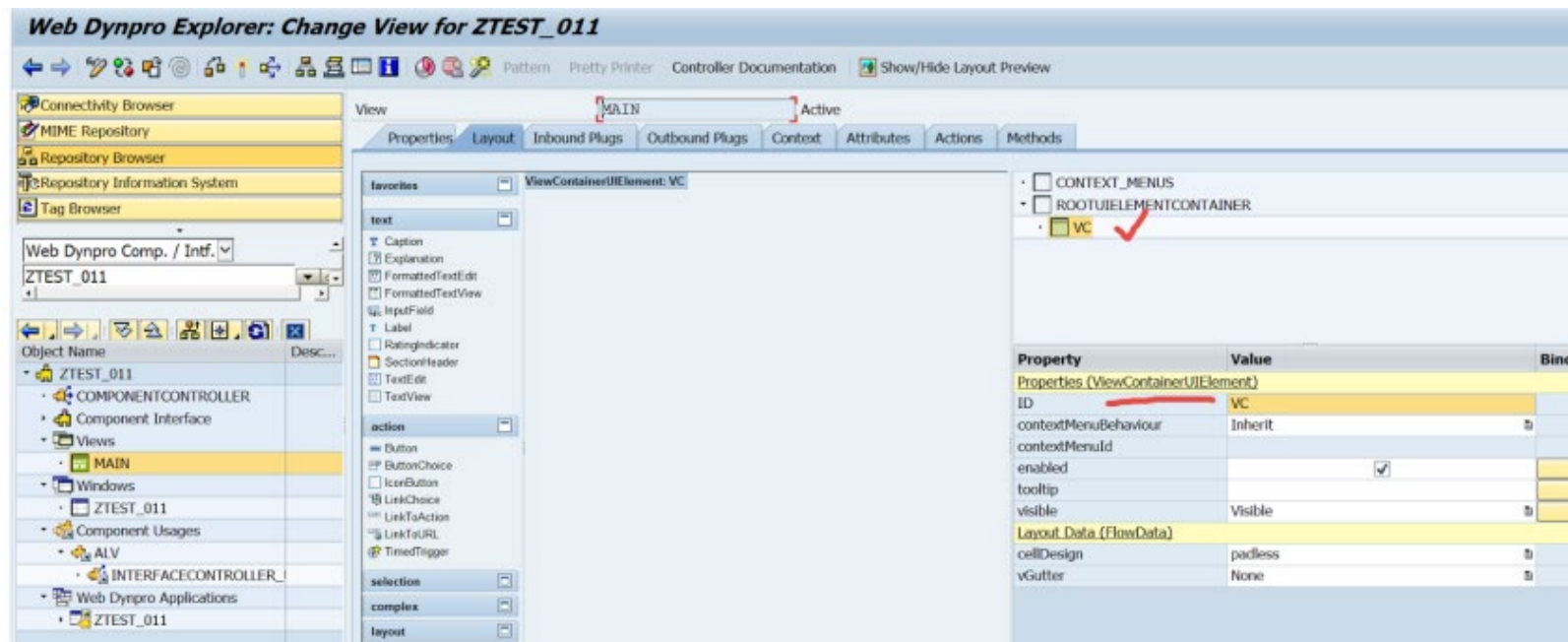
Method List | Method

Method: WDDOINIT

```

1 METHOD wddoinit .
2   DATA: lo_nd_flight TYPE REF TO if_wd_context_node,
3         lt_flight     TYPE          wd_this->elements_flight.
4   *   navigate from <CONTEXT> to <FLIGHT> via lead selection
5   lo_nd_flight = wd_context->get_child_node( name = wd_this->wdctx_flight ).
6
7   SELECT * FROM scarr INTO CORRESPONDING FIELDS OF TABLE lt_flight.
8   lo_nd_flight->bind_table( new_items = lt_flight set_initial_elements = abap_true ).
9
10  ENDMETHOD.
  
```

Go to the view and add a view container UI element.



Select the **INTERFACECONTROLLER_USAGE** from the Component Usage. Click on the button **Controller Usage**. Map the Component controller node **FLIGHT** to the **DATA** node of the Interface Controller.

Advertisement

Web Dynpro Explorer: Change Controller Usage for ALV

Controller Usage: INTERFACECONTROLLER_USAGE Active

Properties Context

Controller Usage

Context: INTERFACECONTROLLER

- CONTEXT
 - DATA
 - FUNCTION_ELEMENTS
 - FILTER_VALUES
 - TOP_OF_LIST
 - END_OF_LIST

Context: COMPONENTCONTROLLER

- CONTEXT
 - FLIGHT

Property	Value	Transfer attribut
Nodes		
Node Name	DATA	
Interface Node		<input checked="" type="checkbox"/>
Input Element (Ext.)		<input checked="" type="checkbox"/>
Dictionary structure	SCARR	
Cardinality	0..n	0
Selection	0..1	0
Initialization Lead Selection		<input checked="" type="checkbox"/>
Singleton		<input type="checkbox"/>
Supply Function		
Mapping Path	ZTEST_011.COMPONENTCONTROLLER.FLIGHT	

Go to the window->main view->VC. Add the view TABLE in it.

Web Dynpro Builder: Change Window for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. ▾
ZTEST_011

Object Name | D...

- ZTEST_011
 - COMPONENTCONTROLLER
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 - Web Dynpro Applications
 - ZTEST_011

Window: ZTEST_011 Active

Properties | Window | Inbound Plugs | Outbound Plugs | Context | Attributes | Methods

Window Structure	Description
• ZTEST_011	
• MAIN	
• VC	
• TABLE	ALV Table Interface View
• DEFAULT	

Properties

Property	Value
Name	TABLE
Description	ALV Table Interface View
Type	Embedded Interface View
View Use	TABLE_USAGE_1
Default	<input checked="" type="checkbox"/>
Component of View	SALV_WD_TABLE
Component Use	ALV

Create an application and test. Now ALV is displayed.

https://ibdynpro/sap/ztest_011?sap-client=208&sap-language=EN ZTEST_011 [Web Dynpro fo...]

View: [Standard View] Print Version Export

Clt	ID	Airline	Curr.	Airline URL
208	AA	American Airlines		
208	AB	Air Berlin ne1		
208	AC	Air Canada	CAD	
208	AF	Air France	EUR	
208	BA	British Airways		
208	CO	Continental Airlines		
208	DL	Delta Airlines		
208	FJ	Air Pacific oldq		
208	JL	Japan Airlines		
208	LH	Lufthansa		

Go to the component controller methods and add a method here as COLOR_COLUMN.

Web Dynpro Explorer: Change Controller for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. ▼
ZTEST_011

Object Name | D...

- ZTEST_011
 - COMPONENTCONTROLLER
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 - Web Dynpro Applications
 - ZTEST_011

Component Controller: COMPONENTCONTROLLER Active

Properties | Context | Attributes | Events | **Methods**

Method	Method Type	Interface	Description	Event
WDDOAPPLICATIONSTATECHANGE	0 Method ▼	<input type="checkbox"/>	Handling for Suspending and Resuming an Applicati...	
WDDOBEFORENAVIGATION	0 Method ▼	<input type="checkbox"/>	Error Handling by Application Before Navigation	
WDDOEXIT	0 Method ▼	<input type="checkbox"/>	Controller Clean-Up Method	
WDDOINIT	0 Method ▼	<input type="checkbox"/>	Controller Initialization Method	
WDDOPOSTPROCESSING	0 Method ▼	<input type="checkbox"/>	Preparation of Output	
COLOR_COLUMN ✓	0 Method ▼	<input type="checkbox"/>	Coloring alv column	
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		
	0 Method ▼	<input type="checkbox"/>		

First we have to instantiate the used component. Click on the button to open the wizard.

Web Dynpro Explorer: Change Controller for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. | ZTEST_011

Object Name | D...

- ZTEST_011
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
 - Windows
 - ZTEST_011
 - Component Usages
 - ALV

Component Controller: COMPONENTCONTROLLER Active

Properties | Context | Attributes | Events | Methods

Method List | Method

Method: COLOR_COLUMN

Parameter | Decl... | RefTo | Opt | Associa

```
1 method COLOR_COLUMN .
2
3 endmethod.
```

Web Dynpro Statement Structure

Context | General

- ☐ Method Call in Current Controller
 - Method Name
- ☐ Method Call in Used Controller
 - Component Name
 - Component Use
 - Controller Name
 - Method Name
- ☒ Instantiate Used Component
 - Component Use: ALV ✓
- ☐ Raise Event
 - Event
- ☐ Generate Message
 - Message Manager: IF_WD_MESSAGE_MANAGER
 - Method
- ☐ Text Symbol Access
 - Variable Name
 - Text Symbol
- ☐ Generate Popup
 - Component Use
 - Window Name

Web Dynpro Explorer: Change Controller for ZTEST_011

Pattern Pretty Printer Controller Documentation

Connectivity Browser
 MIME Repository
 Repository Browser
 Repository Information System
 Tag Browser

Web Dynpro Comp. / Intf. ▾
 ZTEST_011 ▾

Object Name D...
 ▾ ZTEST_011
 ▾ COMPONENTCONTROLLER
 ▾ Component Interface
 ▾ Views
 ▾ MAIN
 ▾ Windows
 ▾ ZTEST_011
 ▾ Component Usages
 ▾ ALV
 ▾ INTERFACECONTROLLER_USAGE
 ▾ Web Dynpro Applications
 ▾ ZTEST_011

Component Controller
 COMPONENTCONTROLLER Active

Properties Context Attributes Events **Methods**

Method List Method ▴ ▾

Method COLOR_COLUMN

Exceptions

Parameter	Ded...	RefTo	Opt	Associated Type	Default Value
		<input type="checkbox"/>	<input type="checkbox"/>		

```

1  method COLOR_COLUMN .
2      DATA : lo_cmp_usage TYPE REF TO if_wd_component_usage.
3
4      lo_cmp_usage = wd_this->wd_cpuse_alv( ).
5      IF lo_cmp_usage->has_active_component( ) IS INITIAL.
6          lo_cmp_usage->create_component( ).
7      ENDIF.
8
9
10 endmethod.

```

From the wizard call the method GET_MODEL from the used component.

Web Dynpro Explorer: Change Controller for ZTEST_011

Pattern Pretty Printer Controller Documentation

Connectivity Browser
MIME Repository
Repository Browser
Repository Information System
Tag Browser

Web Dynpro Comp. / Intf.
ZTEST_011

Object Name
ZTEST_011
COMPONENTCONTROLLER
Component Interface
Views
MAIN
Windows
ZTEST_011
Component Usages
ALV
INTERFACECONTROLLER_USAGE
Web Dynpro Applications
ZTEST_011

Component Controller
COMPONENTCONTROLLER

Properties Context Attributes Events Methods

Method List Method

Method COLOR_COLUMN

Parameter Ded... RefTo Opt

```
1 method COLOR_COLUMN .  
2 DATA : lo_cmp_usage TYPE REF TO  
3  
4 lo_cmp_usage = wd_this->wd_cp  
5 IF lo_cmp_usage->has_active_comp  
6 lo_cmp_usage->create_component  
7 ENDIF.  
8  
9  
10 endmethod.
```

Web Dynpro Statement Structure

Context General

☐ Method Call in Current Controller
Method Name

☒ Method Call in Used Controller
Component Name SALV_WD_TABLE
Component Use ALV
Controller Name INTERFACECONTROLLER
Method Name GET_MODEL ✓

☐ Instantiate Used Component
Component Use

☐ Raise Event
Event

☐ Generate Message
Message Manager IF_WD_MESSAGE_MANAGER
Method

☐ Text Symbol Access
Variable Name
Text Symbol

☐ Generate Popup
Component Use
Window Name

Web Dynpro Explorer: Change Controller for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. | ZTEST_011

Object Name | D...

- ZTEST_011
 - COMPONENTCONTROLLER
 - Component Interface
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 - ZTEST_011
 - Component Usages
 - ALV
 - INTERFACECONTROLLER_USAGE
 - Web Dynpro Applications
 - ZTEST_011

Component Controller: COMPONENTCONTROLLER Active

Properties | Context | Attributes | Events | Methods

Method List | Method | Exceptions

Parameter | Decl... | RefTo | Opt | Associated Type | Default Value | Description

```

1 METHOD color_column .
2   DATA : lo_cmp_usage           TYPE REF TO if_wd_component_usage,
3         lo_interfacecontroller TYPE REF TO iwci_salv_wd_table,
4         lv_value                 TYPE REF TO cl_salv_wd_config table.
5   lo_cmp_usage = wd_this->wd_cpuse_alv( ).
6   IF lo_cmp_usage->has_active_component( ) IS INITIAL.
7     lo_cmp_usage->create_component( ).
8   ENDIF.
9
10  lo_interfacecontroller = wd_this->wd_cpifc_alv( ).
11  lv_value = lo_interfacecontroller->get_model( ). ✓
12
13
14 ENDMETHOD.

```

To color a column(s) we have to use the marked method.

Class Builder: Display Class CL_SALV_WD_CONFIG_TABLE

Local Definitions/Implementations Source Code-Based Class documentation

Class/Interface CL_SALV_WD_CONFIG_TABLE Implemented / Active

Properties Interfaces Friends Attributes **Methods** Events Types Aliases

Parameter Exception Filter

Method	Level	Visibility	M...	Description
IF_SALV_WD_EXPORT_SETTINGS~GET_PDF_SETTINGS	Instance	Public		Get PDF Settings
IF_SALV_WD_COLUMN_SETTINGS~CREATE_COLUMN	Instance	Public		Generates the Object of a Column
IF_SALV_WD_COLUMN_SETTINGS~DELETE_COLUMN	Instance	Public		Deletes the Object of a Column
IF_SALV_WD_COLUMN_SETTINGS~DELETE_COLUMNS	Instance	Public		Deletes All Column Objects of the ALV Output
IF_SALV_WD_COLUMN_SETTINGS~GET_COLUMN	Instance	Public		Returns the Object of a Column
IF_SALV_WD_COLUMN_SETTINGS~GET_COLUMNS	Instance	Public		Returns the Objects of All Columns
IF_SALV_WD_COLUMN_SETTINGS~SET_COLUMN_HEADER_SPLITTER	Instance	Public		OBSOLETE - This method must no longer be used
CONSTRUCTOR	Instance	Public		

Object Name ZTEST_011 D...

- COMPONENTCONTROLLER
- Component Interface
- Views
 - MAIN

Put the below code.

Web Dynpro Explorer: Change Controller for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. ▼
ZTEST_011

Object Name | D...

- ZTEST_011
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN
 - Windows
 - ZTEST_011
 - Component Usages
 - ALV
 - INTERFACECONTROLLER_USAGE
 - Web Dynpro Applications
 - ZTEST_011

Component Controller: COMPONENTCONTROLLER Active

Properties | Context | Attributes | Events | **Methods**

Method List | Method

Method: COLOR_COLUMN

Exceptions

Parameter	Decl...	RefTo	Opt	Associated Type	Default Value	Description

```

1 METHOD color_column .
2   DATA : lo_cmp_usage          TYPE REF TO if_wd_component_usage,
3         lo_interfacecontroller TYPE REF TO iwci_salv_wd_table,
4         lv_value                TYPE REF TO cl_salv_wd_config_table,
5         lr_column              TYPE REF TO cl_salv_wd_column.
6   lo_cmp_usage = wd_this->wd_cpuse_alv( ).
7   IF lo_cmp_usage->has_active_component( ) IS INITIAL.
8     lo_cmp_usage->create_component( ).
9   ENDIF.
10
11   lo_interfacecontroller = wd_this->wd_cpifc_alv( ).
12   lv_value = lo_interfacecontroller->get_model( ).
13
14   lr_column = lv_value->if_salv_wd_column_settings-get_column( id = 'CARRNAME' ).
15   CALL METHOD lr_column->set_cell_design
16     EXPORTING
17       value = cl_wd_table_column=>e_cell_design-positive.
18
19 ENDMETHOD.
  
```

Call the method COLOR_COLUMN() from the WDDOINIT method.

Web Dynpro Explorer: Change Controller for ZTEST_011

Connectivity Browser | MIME Repository | Repository Browser | Repository Information System | Tag Browser

Web Dynpro Comp. / Intf. | ZTEST_011

Object Name | D...

- ZTEST_011
 - COMPONENTCONTROLLER
 - Component Interface
 - Views
 - MAIN

Component Controller: COMPONENTCONTROLLER Active

Properties | Context | Attributes | Events | **Methods**

Method List | Method

Method: WDDOINIT

```

1 METHOD wddoinit .
2   DATA: lo_nd_flight TYPE REF TO if_wd_context_node,
3         lt_flight     TYPE      wd_this->elements_flight.
4   *   navigate from <CONTEXT> to <FLIGHT> via lead selection
5   lo_nd_flight = wd_context->get_child_node( name = wd_this->wdctx_flight ).
6
7   SELECT * FROM scarr INTO CORRESPONDING FIELDS OF TABLE lt_flight.
8   lo_nd_flight->bind_table( new_items = lt_flight set_initial_elements = abap_true ).
9   wd_this->color_column( ).
10
11 ENDMETHOD.
  
```

Test the application.

Browser address bar: https://iprot/sap/ztest_011?sap-client=208&sap-language=EN ZTEST_011 [Web Dynpro fo... x

View: [Standard View] Print Version Export

Clt	ID	Airline	Curr.	Airline URL
208	AA	American Airlines		
208	AB	Air Berlin ne1		
208	AC	Air Canada	CAD	
208	AF	Air France	EUR	
208	BA	British Airways		
208	CO	Continental Airlines		
208	DL	Delta Airlines		
208	FJ	Air Pacific oldq		
208	JL	Japan Airlines		
208	LH	Lufthansa		

Color can be a different one.

Connectivity Browser
 MIME Repository
 Repository Browser
 Repository Information System
 Tag Browser

Web Dynpro Comp. / Intf. ▾
 ZTEST_011

Object Name D...

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 - Web Dynpro Applications
 - ZTEST_011

Component Controller COMPONENTCONTROLLER Active

Properties Context Attributes Events **Methods**

Method List Method

Method COLOR_COLUMN

Exceptions

Parameter	Ded...	RefTo	Opt	Associated Type	Default Value	Description

```

1 METHOD color_column .
2   DATA : lo_cmp_usage           TYPE REF TO if_wd_component_usage,
3         lo_interfacecontroller TYPE REF TO iwci_salv_wd_table,
4         lv_value                TYPE REF TO cl_salv_wd_config_table,
5         lr_column               TYPE REF TO cl_salv_wd_column.
6   lo_cmp_usage = wd_this->wd_cpuse_alv( ).
7   IF lo_cmp_usage->has_active_component( ) IS INITIAL.
8     lo_cmp_usage->create_component( ).
9   ENDIF.
10
11   lo_interfacecontroller = wd_this->wd_cpifc_alv( ).
12   lv_value = lo_interfacecontroller->get_model( ).
13
14   lr_column = lv_value->if_salv_wd_column_settings->get_column( id = 'CARENAME' ).
15   CALL METHOD lr_column->set_cell_design
16     EXPORTING
17       value = cl_wd_table_column=>e_cell_design-negative. ✓
18       value = cl_wd_table_column=>e_cell_design-positive.
19
20 ENDMETHOD.
  
```

Test the application.

Browser address bar: https://webdynpro/sap/ctest_011?sap-client=208&sap-language=EN ZTEST_011 [Web Dynpro fo... X

View: [Standard View] Print Version Export

Cit	ID	Airline	Curr.	Airline URL
208	AA	American Airlines		
208	AB	Air Berlin ne1		
208	AC	Air Canada	CAD	
208	AF	Air France	EUR	
208	BA	British Airways		
208	CO	Continental Airlines		
208	DL	Delta Airlines		
208	FJ	Air Pacific oldq		
208	JL	Japan Airlines		
208	LH	Lufthansa		



Keywords: *workplace spirituality, organizational commitment, organizational trust, organizational identification, organizational citizenship behaviors*

10/10/2010



WATERBURY, Vt., July 10.—

01/10/2014

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Figure 10.10 *Graphical representation of the data in Figure 10.9*

Web-Derived Components

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Component Documentation

Web Dynpro Component	ZTEST_H1	Active
Description		
Assistance Class		
Created By		Created On
Last Changed By		Changed On
Original Lang.	ES	Package
<input checked="" type="checkbox"/> Accessibility Checks Active		

Used Components: Implemented Interfaces:

Used Web Dynpro Components

Component Use	Component	Description of Component
ALV 	SALV_WD_TABLE	ALV Component

[Assistance Class in Web Dynpro](#)

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