

WS Basics

4.05 Positioning the screen elements

Liquid UI WS allows you to define the position of a screen element anywhere on the SAP screen. You can either specify a fixed positioning using row and column values or relative positioning with respect to other screen elements. Also, you can replace an existing screen element with a new screen element.

Screen Elements can be used to change the UI of the SAP screens. Screen elements such as [box](#), [checkbox](#), [comment](#), [dropdownlist](#), [image](#), [inputfield](#), [pushbutton](#), [radiobutton](#), [table](#), [text](#), [textbox](#) are also be called as control elements or fields.

You can specify the position of a screen element in different ways as shown below:

Available Options:

You can use the any of the following options for positioning the screen elements:

["Option1": ".."](#)

```
screenelement  
( [row, col], "labelname  
", {"options": "values"});
```

["Option2": ".."](#)

```
screenelemen  
t( "[row, col]", "labelname  
", {"options": "values"});
```

["Option3": ".."](#)

```
screenelement( {"field": "F[screenele  
ment  
name]", "of  
fset": [row, col]  
}, "label name  
");(or)screenelement({"field": "F[screenele  
ment na  
me]", "offset": "[row, col]", "label name");
```

["Option4": ".."](#)

```
screenelement( "F[screenelement name  
]+[row, col]", "label name  
", {"options": "values  
"  
});(or)screenelement("F[screenelement  
name]-[row, col]  
", "label name", {"options": "values"});
```

["Option5": ".."](#)

```
screenelement  
( [TOOLBAR], "label name  
", {"options": "values"});
```

["Option6": ".."](#)

```
screenelement( "F[screenelement name  
]", "label name", {"options": "values"});
```

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Syntax

Option 1: Positioning the screen element using row and column values

```
screenelement([row,col],"labelname",{ "options": "values" });
//Groupbox positioned with four coordinate values where top left corner at (2,9) and its bottom right corner at (13,56)
box([2,9],[13,56],"Sales & Distribution");
//Checkbox positioned at row 10 and column 49 on the screen
checkbox([19,49],"Bulk Material",{ "default": "X" });
//Comment positioned at row 20 and column 21 on the screen
comment([20,12],"
The notification information appears on the Create PM screen");
//Dropdownlist positioned at row 5 and column 30 on the screen
dropdownlist([5,30], "z_salesorg_list", {
"refer": "z_va01_salesorg", "width": 25, "process": z_set_sorg});
//Image positioned at row 1 and column 1 on the screen
image([1,1], "guixt.bmp", { "nobuffer": true });
//Inputfield positioned with textfield at row 1, column 0 and editfield at row 1, column 10
inputfield([1,0], "Quantity", [1,10], {
"name": "z_mblb_qty", "size": 5, "alignright": true });
//Radiobutton positioned at row 11 and column 19 on the screen
radiobutton([11,19], "Finished Products");
//Pushbutton positioned at row 18 and column 36 on the screen
pushbutton([18,36], "@0Y@Create Quotation", "/nva21", {
"disabled": true, "process": va0xCreateOrderOrQuote});
//Table positioned at row 1 and column 5 where table width= 45-5:40 and table height =10-1:9
table([1,5],[10,45], {
"name": "va02_all_items", "title": "Sales Order Items", "rows": row_max, "columnselection": true });
//Text positioned at row 7 and column 25 on the screen
text([7,25], "Enter Notification Information", { "size": 30 });
//T
extbox positioned at row 1 and column 48 with textbox width=87-48:39 and height=4-1:3
textbox([1,48],[4,87], { "name": "z_va01_term_of_delivery_text" });
```

Option 2: Positioning the screen element using a string of row and column values

```
screenelement("[row,col]","labelname",{ "options": "values" });
//Groupbox positioned with four coordinate values where top left corner at (2,9) and its bottom right corner at (13,56)
```

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```
box("[2,9]", "[13,56]", "Sales & Distribution");
//Checkbox positioned at row 10 and column 49 on the screen
checkbox("[19,49]", "BulkMaterial", {"default": "X"});
//Comment positioned at row 20 and column 21 on the screen
comment("[20,12]", "
The notification information appears on the Create PM screen");
//Dropdownlist positioned at row 5 and column 30 on the screen
dropdownlist("[5,30]", "z_salesorg_list", {
"refer": "z_va01_salesorg", "width": 25, "process": z_set_sorg});
//Image positioned at row 1 and column 1 on the screen
image("[1,1]", "guixt.bmp", {"nobuffer": true});
//Inputfield positioned at row 1 and column 0 on the screen
inputfield("[1,0]", "Quantity", "[1,10]", {
"name": "z_mblb_qty", "size": 5, "alignright": true});
//Radiobutton positioned at row 11 and column 19 on the screen
radiobutton("[11,19]", "Finished Products");
//Pushbutton positioned at row 18 and column 36 on the screen
pushbutton("[18,36]", "@0Y@Create Quotation", "/nva21", {
"disabled": true, "process": va0xCreateOrderOrQuote});
//Table positioned at row 1 and column 5 where table width= 45-5 and t
able height =10-1
table("[1,5]", "[10,45]", {
"name": "va02_all_items", "title": "Sales Order Items", "rows": row_max, "co
lumnselection": true});
//Text positioned at row 7 and column 25 on the screen
text("[7,25]", "Enter Notification Information", {"size": 30});
//Textbox positioned at row 1 and column 48 with textbox width=87-48 a
nd height=1-4
textbox("[1,48]", "[4,87]", {"name": "z_va01_term_of_delivery_text"});
```

Note: You can use double quotes to row and column coordinates to define the position of a screen element.

Option 3: Positioning the screen element with respect to other screen element on the screen using offset coordinate values

```
scenelement({
"field": "F[scenelement name]", "offset": [row, col]}, "label name");
(or)
scenelement({
"field": "F[scenelement name]", "offset": "[row, col]"}, "label name");

//Pushbutton positioned with respect to Sale Office field using offset
coordinates at row 3 and column 3
pushbutton({
```

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```
"field":"F[Sales Office]","offset":[3,3]},"@0Y@Create Quotation");

//Checkbox positioned with respect to Order Type field using offset co
ordinates at row 7 and column 28
checkbox({
"field":"F[Order Type]","offset":[7,28]},"Final Confirmation");
//Pushbutton positioned with respect to Material field using offset co
ordinates at row 1 and column 1
radiobutton({
"field":"F[Material Type]","o
ffset":[1,1]},"Finished Product",{
"[material type]":"FERT","default":"X"});
//Comment positioned with respect to Notification Type field using off
set coordinates at row 5 and column 2
comment({
"field":"F[Notification T
ype]","offset":[5,2]},"
The notification information appears on the Create PM screen");
//Dropdownlist positioned with respect to Order Type field using offse
t coordinates ar row 7 and column 28
dropdownlist({
"field":"F[Order Type]","offset
":[7,28]},"mylist",{
"refer":"F[Order Type]","width":30,"process":test_dropdown});
//Image positioned with respect to Organizational Data Office field us
ing offset coordinates at row 1 and column 45
image({
"field":"G[Organizatio
nal Data]","offset":[1,45]},"guixt.bmp",{ "nobuffer":true});
//Text positioned with respect to Notification Type field using offset
coordinates at row 5 and column 2
text({
"field":"F[Notification T
ype]","offset":[5,2]},"Enter Notification Information",{ "size":30});
//Radiobutton positioned with respect to Order Type field using offset
coordinates at row 7 and column 28
radiobutton({
"field":"F[Order Type]","offset
":[7,28]},"Plant 2000",{ "name":"z_mm01_plant","value":2000});
//Inputfield positioned with respect to Processing groupbox field usin
g offset coordinates at row 1 and column 1
inputfield({
'field':'G[Processing]','offset'
:[1,1]},"Date paperwork rec'd",{
"name":"z_strdt","size":10,"date":true});
```

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Option 4: Positioning the screen element with respect to other screen elements on the screen

```
screenelement(
"F[screenelement name]+[row,col]","label name",{
"options":"values"});(or)
screenelement("
F[screenelement name]-[row,col]","label name",{ "options":"values"}));

//Order Type groupbox positioned with respect to Organizational Data g
roupbox with coordinates
box("G[Organizational Data]+[-4,0]", [3,61], "Order Type");
//Print repair label checkbox positioned with respect to Organizational
Data groupbox with coordinates
checkbox("G[Organizational Data]+[1,35]", "
Print repair label",{ "name":"print_label","default":" "});

//Comment positioned with respect to Sold- To Party field at row 0 and
column 30
comment("F[Sold- To Party]+[0,30]", "Please enter Sold-
to party and Ship-to Party details",{ "left":true});

//Dropdownlist positioned with respect to Sales Office at row 0 and co
lumn 30
dropdownlist("F[Sales Office]+[0,30]","mylist",{
"refer":"F[Order Type]","width":30,"process":test_dropdown});

//Image positioned with respect to Organizational Data field at row 2
and column 30
image("G[Organizational Data]+[2,30]","guixt.bmp",{ "nobuffer":true});

//Inputfield positioned with respect to Sales Office field where text
field at row 0 and column 30 and inputfield at row 0 and column 45
inputfield("F[Sales Office]+[0,30]","Default Plant:", "
F[Sales Office]+[0,45]",{
"name":"g_default_plant","size":4,"rf_autotab":2});

//Create Quotation pushbutton positioned with respect to Sales Office
at row 3 and column 0
pushbutton("F[Sales Office]+[3,0]", "@0Y@Create Quotation");

//Radiobutton positioned with respect to Organizational Data groupbox
at row 5 and column 35
radiobutton("
G[Organizational Data]+[5,35]","Plant 1000",{
"name":"z_mm01_plant","value":1000});
//Table positioned with respect to Organizational Data groupbox where
```

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```
row1 at 0,column1 at 55, row2 at 10 and column2 at 95
table("G[Organizational Data]+[0,55]",[10,95],{
"name":"va01_AllItems","title":"Sales Order Items","rows":row_max,"col
umnselection":true});
//Text positioned with respect to Material field at row 0 and column 4
6
text("F[Material]+[0,46]","Raw Material");
//Textbox positioned with respect to Sold- To Party field where placed
row1 at 0, row2 at 4, column1 at 4 and column2 at 46
textbox("F[Sold- To Party]+[0,46]",[4,87],{
"name":"z_va01_term_of_delivery_text"});
```

Option 5: Positioning the screen element on the toolbar

```
scenelement([TOOLBAR],"label name",{ "options":"values"});

//Pushbutton positioned at the toolbar of an SAP screen
pushbutton([TOOLBAR],"label name","/n[tcodes]",{ "separator":true});
//Image positioned at the toolbar of an SAP screen
image([TOOLBAR],"liquid.bmp");
```

Note: You can place only pushbutton on the toolbar.

Option 6: Replacing existing screen element with a new screen element

```
scenelement("F[scenelement name]","label name",{
options":"values"});

//Replaces Material text field with Raw Material
text("F[Material]","Raw Material");
//Replaces Create Quotation pushbutton with Create Repair Quotation
pushbutton("P[Create Quotation]","@0Y@Create Repair Quotation");
//Replaces Bus. Area field with Bus Location
inputfield("F[Bus. Area]","Bus Location");
//Replaces Create Follow-On Ord checkbox with Equipment Type
checkbox("C[Create Follow-On Ord]","Equipment Type");
//Replaces Create Follow-
On Ord checkbox comment with Create new order as a follow-on order
comment("C[Create Follow-On Ord]","Create new order as a follow-
```

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```
on order");  
//Replaces an Individual Slip radiobutton with Coll.Slip w.Inspect. Text  
xt  
radiobutton("R[Individual Slip]","Coll. slip w.Inspect. Text");  
//Replaces Create Quotation pushbutton with Create Repair Quotation pu  
shbutton  
pushbutton("P[Create Quotation]", "@0Y@Create Repair Quotation");
```

Note: You need to delete the existing screen element before adding a new element.

Unique solution ID: #2153
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Last update: 2019-04-26 12:40