

Liquid UI: Reading Table Data to Excel

Purpose: To read Table Data to Excel file.

User Interface:

1) Log into SAP and on the SAP Easy Access Screen enter the Order number and click on the “Get Data to Excel” button.

SAP Easy Access - User Menu for VIVEK

Order

Item	Material	Order Quantity

SAP >> | TR1 (2) 800 | ZEUS | OVR |

2) Output showing Table data on SAP Easy Access Screen.

The screenshot shows the SAP Easy Access interface for user VIVEK. At the top, there's a navigation bar with icons and a search field. Below it, the title bar reads 'SAP Easy Access - User Menu for VIVEK'. A secondary bar contains icons and the text 'Other menu' and 'Create role'. The main area features an 'Order' field with the value '5326' and a 'Get Data to Excel' button. Below this, a table titled 'All items' is displayed, containing four rows of data. The table has three columns: 'Item', 'Material', and 'Order Quantit'. The data rows are: (10, DPC1015, 69), (20, DPC1004, 60), (30, DPC1011, 90), and (40, DPC1020, 138). A fifth row shows 'unde' and 'undefined' values. The table is highlighted with a red border. At the bottom, the SAP logo and system status 'TR1 (1) 800 | ZEUS | OVR' are visible.

Item	Material	Order Quantit
10	DPC1015	69
20	DPC1004	60
30	DPC1011	90
40	DPC1020	138
unde	undefined	undefined

3) Output showing Table data in Excel File.

Clipboard		Font		Alignment				
K18								
	A	B	C	D	E	F	G	H
1	Items	Materials	Quantity					
2	10	DPC1015	69					
3	20	DPC1004	60					
4	30	DPC1011	90					
5	40	DPC1020	138					
6								
7	undefined	undefined	undefined					
8								
9								
10								
11								
12								
13								
14								
15								
16								

User Interface file:

```
1 load('wsoffice.dll');
2 del("X[IMAGE_CONTAINER]");
3 inputfield([1,2], "Order", [1,22], { "name": "z_message_info", "shname": "VBELN", "size": 16, "searchhelp": "VMVA" });
4 pushbutton([1,45], "Get Data to Excel", "?", { "process": "z_AssigntoSAPTbale", "size": [1,15], "using": { "z_message_info":
  z_message_info } });
5
6
7 table([5,5],[15,45], { "name": "va01_AllItems", "title": "All items", "rows": 10, "rowselection": true, "columnselection": true });
8 column('Item', { "table": "va01_AllItems", "size": 4, "name": "z_va01_item", "position": 1 });
9 column('Material', { "table": "va01_AllItems", "size": 15, "name": "z_va01_material", "position": 2 });
10 column('Order Quantity', { "table": "va01_AllItems", "size": 15, "name": "z_va01_Orderquantity", "position": 3 });
11
12
13 function z_AssigntoSAPTbale(param) {
14
15     println(param.z_message_info);
16     temp_items=[];
17     temp_material=[];
18     temp_quantity=[];
19     enter('/nva02');
20
21     onscreen 'SAPMV45A.0102'
22         set('F[Order]', "&V[z_message_info]");
23         enter();
24
25
26     onscreen 'SAPMSDYP.0010'
27         enter();
28
29     onscreen 'SAPMSDYP.0010'
30 ..
```

```

30     enter();
31
32     onscreen 'SAPMV45A.4001'
33     absrow = 1;
34     relrow = 1;
35     gettableattribute("T[All items]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":"LastRow"});
36     if(FVisRow==1) {
37         goto new_row;
38     }
39     enter("/ScrollToLine=&V[absrow]", {"table":"T[All items]"});
40     new_screen;;
41
42     onscreen 'SAPMV45A.4001'
43     gettableattribute("T[All items]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":"LastRow"});
44     relrow = 1;
45     new_row;;
46     if(absrow>LVisRow){
47         enter("/ScrollToLine=&V[absrow]", {"table":"T[All items]"});
48         goto new_screen;
49     }
50     if(absrow>LastRow){
51         goto end_of_table;
52     }
53
54     set("V[z_va01_item]", "&cell[All items,Item,&V[relrow]]");
55     set("V[z_va01_mat]", "&cell[All items,Material,&V[relrow]]");
56     set("V[z_va01_OQ]", "&cell[All items,Order Quantity,&V[relrow]]");
57     println('The item Data is '+z_va01_item+'.');
58     println('The Material Data is '+z_va01_mat+'.');
59     println('The Order Quantity Data is '+z_va01_OQ+'.');

```

```

58     println('The Order Quantity Data is '+z_va01_OQ+');
59     temp_items.push(z_va01_item);
60     temp_material.push(z_va01_mat);
61     temp_quantity.push(z_va01_OQ);
62
63
64     absrow++;
65     relrow++;
66     goto new_row;
67     end_of_table;;
68     enter("/ScrollToLine=1", {"table":"T[All items]"});
69     enter("/n");
70
71
72 onscreen 'SAPLSMTR NAVIGATION.0100'
73     gettableattribute("T[va01_AllItems]", {"firstvisiblerow":"FisRow", "lastvisiblerow":"LisRow", "lastrow":"LatRow"});
74     var z=1;
75
76     for(var i=0;i<=temp_items.length;i++)
77     {
78         va01_AllItems.z_va01_item[i] = temp_items[i];
79         va01_AllItems.z_va01_material[i] = temp_material[i];
80         va01_AllItems.z_va01_Orderquantity[i] = temp_quantity[i];
81         z=z+1;
82
83     }
84
85
86     copy_To_Excel(temp_items,temp_material,temp_quantity)
87     enter("?");

```



```

87     enter("?");
88
89 }
90
91
92 function copy_To_Excel(temp_items,temp_material,temp_quantity)
93 {
94
95     var ExcelApp = new ActiveXObject("Excel.Application");
96     var ExcelSheet = new ActiveXObject("Excel.Sheet");
97     ExcelSheet.ActiveSheet.Cells(1,1).Value = "Items";
98     ExcelSheet.ActiveSheet.Cells(1,2).Value = "Materials";
99     ExcelSheet.ActiveSheet.Cells(1,3).Value = "Quantity";
100     var k=0;
101     for(p=2;p<temp_items.length;p++) {
102         ExcelSheet.ActiveSheet.Cells(p,1).Value = temp_items[k];
103         ExcelSheet.ActiveSheet.Cells(p,2).Value = temp_material[k];
104         ExcelSheet.ActiveSheet.Cells(p,3).Value = temp_quantity[k];
105         k=k+1;
106     }
107     var str = "C:\\LiquidUI\\scripts\\TEST.XLS";
108     var fso = new ActiveXObject("Scripting.FileSystemObject");
109     if(fso.FileExists(str)){
110         message("E:FILE ALREADY EXISTS PLEASE REMOVE OLD FILE");
111     }
112     else{
113         ExcelSheet.SaveAs(str);
114         ExcelSheet.Application.Quit();
115
116     }

```