

Extracting of Data from SAP To Liquid UI Table

Purpose:

To extract data from a SAP table and load it into a Liquid UI table. Additionally, the data in the Liquid UI table will be cleared using pushbuttons.

The following example illustrates the above defined process established on the easy access screen.

Liquid UI Code:

```
//////////////////////////////////////// SAPLSMTR_NAVIGATION.E0100.sjs////////////////////////////////////////
//Delete Image Container
del("X[IMAGE_CONTAINER]");

//User Interface
inputfield( [0,1], "Order", [0,11],{ "name":"va02_Order", "size":21, "searchhelp":"VMVA"});

table([2,1],[8,68],{"name":"va02_AllItems", "title":"All items", "rows":20,
"rowselection":true,"columnselection":true});

column('Item',{ "table":"va02_AllItems", "size":4, "name":"va02_item", "position":1});
column('Material',{ "table":"va02_AllItems", "size":15, "name":"va02_mat", "position":2});
column('Order Quantity',{ "table":"va02_AllItems", "size":15, "name":"va02_qty", "position":3});
column('description',{ "table":"va02_AllItems", "size":25, "name":"va02_desc", "position":4});

pushbutton( [10,1], "Extract Data To LiquidUI Table", "?",{
"process":extractDataToLiquidUiTable, "size":[1,27]});

pushbutton([10,30], "Clear Table Data", {"process":clearData}); //clearTableData

//Functions
//Function to retrieve data to Liquid UI table
function extractDataToLiquidUiTable(){
    // SAP Easy Access
    onscreen 'SAPLSMTR_NAVIGATION.0100'
```

```
enter("/nva02");
```

```
// Change Sales Order: Initial Screen
```

```
onscreen 'SAPMV45A.0102'
```

```
set('F[Order]', '&V[va02_Order]');
```

```
enter("=SUCH");
```

```
// Change Sales Order: Initial Screen
```

```
onscreen 'SAPMSDYP.0010'
```

```
enter();
```

```
// Change Sales Order: Initial Screen
```

```
onscreen 'SAPMSDYP.0010'
```

```
enter();
```

```
onscreen 'SAPMV45A.4001'
```

```
z_va02_item=[];
```

```
z_va02_mat=[];
```

```
z_va02_qty=[];
```

```
z_va02_desc=[];
```

```
gettableattribute('T[All items]', {'firstvisiblerow':'FVisRow', 'lastvisiblerow':'LVisRow',  
'lastrow':'LastRow'});
```

```
relrow=1;
```

```
absrow=1;
```

```
total=0;
println("=====> First visible row is: "+FVisRow);
println("=====> Last visible row is: "+LVisRow);
println("=====> Last row of the table is: "+LastRow);
```

```
if(FVisRow != 1){
    println("=====> Scroll to first row before start...");
    enter('/ScrollToLine=1', {table:'T[All items]'});
} else {
    enter('?');
}
```

```
newscreen;;
```

```
onscreen 'SAPMV45A.4001'
```

```
relrow=1;
```

```
gettableattribute('T[All items]', {'firstvisiblerow':FVisRow, 'lastvisiblerow':LVisRow'});
```

```
println("=====> New first visible row is: "+FVisRow+", new last visible row is:
"+LVisRow);
```

```
newlabel;;
```

```
if(absrow>LVisRow){
    println("=====> Scroll to next visible row before continue...");
    enter('/ScrollToLine=&V[absrow]', {table:'T[All items]'});
    goto newscreen;
}
```

```
if(absrow>LastRow){
    println("=====> Reach the end of table, end of scrolling");
}
```

```

        goto end;
    }
    set('V[z_curr_item]', '&cell[All items,Item,&V[relrow]]');
    z_va02_item.push(z_curr_item);
    set('V[z_curr_mat]', '&cell[All items,Material,&V[relrow]]');
    z_va02_mat.push(z_curr_mat);
    set('V[z_curr_quan]', '&cell[All items,Order Quantity,&V[relrow]]');
    z_va02_qty.push(z_curr_quan);
    set('V[z_curr_desc]', '&cell[All items,Description,&V[relrow]]');
    z_va02_desc.push(z_curr_desc);

```

```

absrow++;
relrow++;
goto newlabel;

```

```

end;;
println("=====> Scroll to the first row of table at the end");
enter('/ScrollToLine=1', {table:'T[All items]});

```

```

total = absrow;
println("This is absolute row :"+absrow+"-"+total);

```

```

onscreen 'SAPMV45A.4001'

```

```

for(var idx=1, i=0; idx<total-1;idx++, i++){

```

```

    va02_AllItems.va02_item[i]=z_va02_item[i];

```

```

        va02_AllItems.va02_mat[i]=z_va02_mat[i];
        va02_AllItems.va02_qty[i]=z_va02_qty[i];
        va02_AllItems.va02_desc[i]=z_va02_desc[i];

    }
    enter('/n');

}

```

```

//clear table data
function clearData() {
    var table_value = ' ';

    for(i=1;i<total-2;i++) {
        table_value += ' ';
    }

    onscreen 'SAPLSMTR_NAVIGATION.0100'
        set('V[va02_*]', '');
        set('V[z_*]', '&V[table_value]');
        enter();
}

```

Enter value in the 'Order' field and click on the 'Extract Data to Liquid UI Table' pushbutton

The screenshot shows the SAP Easy Access interface for user LAKSHMI. The 'Order' field is highlighted with a yellow background and contains the value '5455'. Below it, the 'All items' table is displayed with the following data:

Item	Material	Order Quantity	description

Buttons for 'Extract Data To LiquidUI Table' and 'Clear Table Data' are visible below the table.

Then you can see the values in the 'All items' table extracted from the SAP table

The screenshot shows the same SAP Easy Access interface, but the 'All items' table now contains data extracted from the SAP table. The 'Order' field still contains '5455'. The 'All items' table is displayed with the following data:

Item	Material	Order Quantity	description
10	B-7000	19	Brochure: neues High Tec
20	B-7000	1	Brochure: New high tech r
30	R-B101	1	Casing
40	100-200	1	Actuation test1

Buttons for 'Extract Data To LiquidUI Table' and 'Clear Table Data' are visible below the table.

To clear values in the 'All items' table click on the 'Clear Table Data' pushbutton

