

Liquid UI: GuiXT Column

This is an example of creating a GuiXT column in an SAP Table. Using table scrolling, we fill in each value of the column for each item.

User Interface

Log into SAP and navigate to VA03.

Enter a sales order and continue to the next screen.

The screenshot shows the SAP VA03 'Display Sales Order: Initial Screen' interface. At the top, there is a menu bar with 'Sales document', 'Edit', 'Goto', 'Environment', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main title bar reads 'Display Sales Order: Initial Screen'. Below the title bar is a navigation bar with tabs for 'Sales', 'Item overview', 'Ordering party', and 'Orders'. The 'Orders' tab is selected. The main area contains a form with the following fields:

- 'Order' field with the value '5236' and a magnifying glass icon.
- 'Search Criteria' section with the following fields:
 - 'Purchase Order No.' with a text input field.
 - 'Sold-to party' with a text input field.
 - 'Delivery' with a text input field.
 - 'Billing Document' with a text input field.
 - 'WBS Element' with a text input field.
- 'Search' button with a magnifying glass icon.

The table will display a GuiXT column labeled Volume, displaying the volume for each item.

SAP

Sales document Edit Goto Extras Environment System Help

Display Standard Order 5236: Overview

Standard Order 5236 Net value 799.640,00 DEM

Sold-to party 2000 Carbor GmbH / Dieselstrasse 105 / 40235 Duesseldorf

Ship-to party 2000 Carbor GmbH / Dieselstrasse 105 / 40235 Duesseldorf

PO Number DG-19971023-1 PO date 23.10.1997

Sales Item detail Item overview Ordering party Procurement Shipping Reason for rejection

Req. deliv.date D 24.10.1997 Deliver.Plant

Complete div. Total Weight 40.880 KG

Delivery block Volume 109,500 M3

Billing block Pricing date 23.10.1997

Payment card Exp.date

Payment terms ZB01 14 Days 3%, 30/2... Incoterms CIP Düsseldorf

Order reason 003 Television commercial

Sales area 1000 / 10 / 00 Germany Frankfurt, Final customer sales, Cross-division

Item	Material	Order Quantity	Volume	CU	S	Description	Customer Material Numb	ItCa	DGI	HgLvlt	D First date
10	P-102	4	32,250	PC	✓	Pumpe Späroguss IDESNORM 15...		TAN		0D	24.10.1
20	P-100	6	45	PC	✓	Pumpe GG IDESNORM 100-200		TAN		0D	24.10.1
30	P-101	4	32,250	PC	✓	Pumpe Stahlguss IDESNORM 15...		TAN		0D	24.10.1

VA03 juneau INS

The volume values are pulled from each item's data in the Shipping Tab.

SAP

Sales document Edit Goto Extras Environment System Help

Display Standard Order 5236: Item Data

Sales Document Item: 10 Item category TAN Standard Item

Material P-102 Pumpe Späroguss IDESNORM 150-200

Sales A Sales B Shipping Billing Document Conditions Account assignment Schedule lines Partners Texts Order Data Status

Ship-to party 2000 Carbor GmbH / Dieselstrasse 105 / 40235 Duesseldorf

Shipping

Unloading Point Receiving point

Department Delivery Prior. 2 Normal

Plant 1000 Werk Hamburg Stor. Location

Shipping Point 1000 Shipping Point Hambu... Part.div./item

Route R00035 Hamburg - Dusseld... Max.Part.Deliv. 9

Mat.freight grp Order Combinat. ✓

MnsOfTrns type Shipping type

MeansTransp. Spec.processing

POD-relevant

Weight and Volume

Net weight 10.750 KG

Gross weight 12.040

Volume 32,250 M3

Delivery Tolerance

Overdelv. Tolerance 0,0 %

Underdel. Tolerance 0,0 %

Unlimited tol. ☐

VA03 juneau INS

Liquid UI Code [Script]

```
////////////////////////////////////  
// Author: Synactive, Inc. [1065 E. Hillsdale Blvd, Foster City, CA, 94404, USA]  
// Email: support@guixt.com; sales@guixt.com;  
// Contact: 650.341.3310  
// Version: 1.0.0.0  
////////////////////////////////////  
  
// We want this to only run on VA03  
if(_transaction == "VA03"){  
    onUIEvents["/n*"] = {"process":va03ClearVar};  
  
    column("Volume", {"table":"All items", "size":12, "name":"z_volume", "position":4, "readonly":true});  
  
    if(z_run_function == undefined){  
        z_run_function = true;  
        enter("?", {"process":va03FetchVolume});  
    }  
}  
  
// This function is responsible for retrieving the Volume of each item  
function va03FetchVolume(){  
    onscreen 'SAPMV45A.4001'  
    // Table Scroll through each Item  
    absrow = 1;  
    relrow = 1;  
  
    // Fetch the table attributes  
    gettableattribute("T[All items]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":  
        "LastRow"});  
new_screen::;  
    // Scroll to the absolute row  
    enter("/ScrollToLine=&V[absrow]", {"table":"T[All items]"});  
  
    onscreen 'SAPMV45A.4001'  
    // Refetch table attributes, in case they might of changed  
    gettableattribute("T[All items]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":  
        "LastRow"});  
    // Reset the relevant row  
    relrow = 1; // reset the relative row with a new screen
```

```

new_row::
    if(absrow>LVisRow){
        // end of the screen?
        goto new_screen;
    }
    if(absrow>LastRow){
        // end of the table?
        goto end_of_table;
    }

    // Set the cursor on the row
    setcursor("cell[All items,1,&V[relrow]]");

    // Go into Item Data
    enter{"=ITEM"};

    onscreen 'SAPMV45A.4003'
        // Navigate to the second tab
        enter{"=T\03"};
    onscreen 'SAPMV45A.4003'
        // Set the Volume to our GuiXT Column
        set("V[temp]", "&F[Volume]");
        set("V[z_volume.&V[absrow]]",temp.trim());
        // Go back to Overview Screen
        enter{"/3"};

    onscreen 'SAPMV45A.4001'
        // Increment out counters
        absrow++;
        relrow++;
        goto new_row;
end_of_table::
    // Scroll back to the top of the table
    enter{"/ScrollToLine=1", {"table":"T[All items]"};
}

// This function is responsible for clearing all the variables
function va03ClearVar(){

```

```

    // set the column values to a blank string
    set("V[z_*]", "");
    // set the function flag to undefined
    z_run_function = void 0;
}

// This is a trim function for strings that will return the original string with
String.prototype.trim = function() {
    return this.replace(/^\s+|\s+$/g, "");
}

```