

## Displaying Object data into Liquid UI Table

### Purpose:

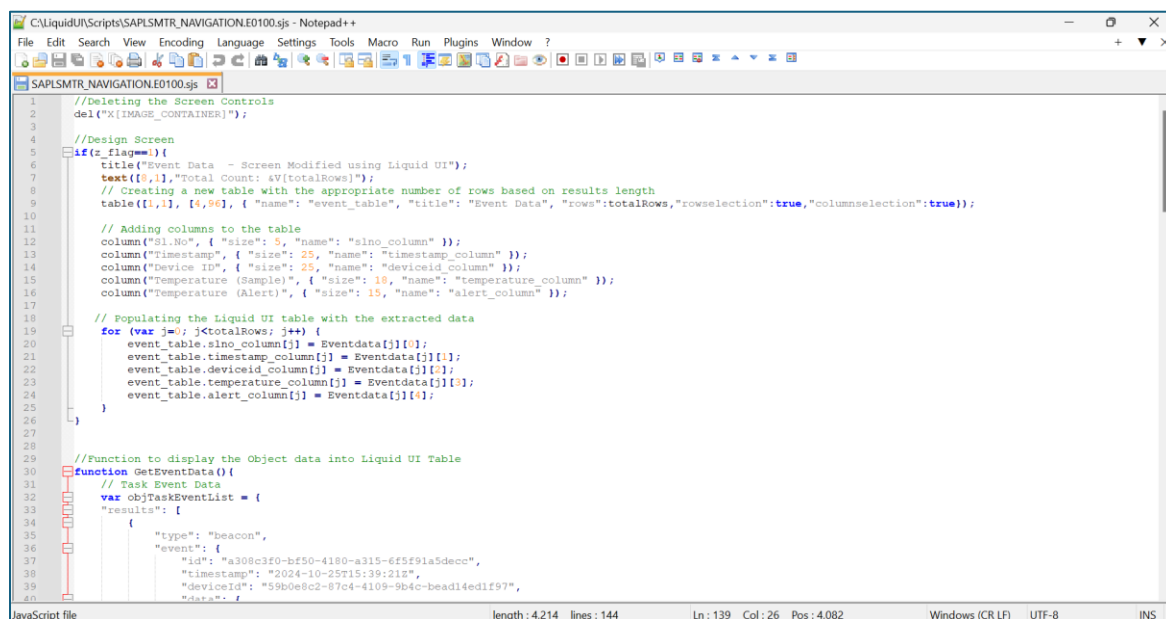
Displaying Object Data into Liquid UI Table:

This is useful for displaying object data (e.g., in JSON format) that can be read and shown directly in a Liquid UI table, making it easier to visualize structured data such as event logs, device information, and analytics data.

### Please follow the below steps:

**Step-1:** Open the Script file "SAPLSTMTR\_NAVIGATION.E0100.sjs" or Create it if it is not present in the WS Directory as configured in the "guixt.sjs" file.

**Step-2:** Add the Code Snippet and Save it. [Navigate to Code](#)



```

1 //Deleting the Screen Controls
2 del("X[IMAGE_CONTAINER]");
3
4 //Design Screen
5 if(z_flag==1){
6     title("Event Data - Screen Modified using Liquid UI");
7     text([0,1],"Total Count: %V[totalRows]");
8     // Creating a new table with the appropriate number of rows based on results length
9     table([1,1], [4,96], { "name": "event_table", "title": "Event Data", "rows":totalRows,"rowselection":true,"columnselection":true});
10
11 // Adding columns to the table
12 column("Sl.No", { "size": 5, "name": "slno_column" });
13 column("Timestamp", { "size": 25, "name": "timestamp_column" });
14 column("Device ID", { "size": 25, "name": "deviceid_column" });
15 column("Temperature (Sample)", { "size": 18, "name": "temperature_column" });
16 column("Temperature (Alert)", { "size": 15, "name": "alert_column" });
17
18 // Populating the Liquid UI table with the extracted data
19 for (var j=0; j<totalRows; j++) {
20     event_table.slno_column[j] = Eventdata[j][0];
21     event_table.timestamp_column[j] = Eventdata[j][1];
22     event_table.deviceid_column[j] = Eventdata[j][2];
23     event_table.temperature_column[j] = Eventdata[j][3];
24     event_table.alert_column[j] = Eventdata[j][4];
25 }
26
27
28
29 //Function to display the Object data into Liquid UI Table
30 function GetEventData(){
31     // Task Event Data
32     var objTaskEventList = {
33         "results": [
34             {
35                 "type": "beacon",
36                 "event": {
37                     "id": "a308c3f0-bf50-4180-a315-6f5f91a5decc",
38                     "timestamp": "2024-10-25T15:39:21Z",
39                     "deviceid": "59b0e8c2-87c4-4109-9b4c-bead14ed1f97",
40                     "data": {

```



```
C:\LiquidUI\Scripts\SAPLSMTR_NAVIGATION.E0100.sjs - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
[Icons]

SAPLSMTR_NAVIGATION.E0100.sjs
28 //Function to display the Object data into Liquid UI Table
29 function GetEventData(){
30 // Task Event Data
31 var objTaskEventList = {
32 "results": [
33 {
34 "type": "beacon",
35 "event": {
36 "id": "a308c3f0-bf50-4180-a315-6f5f91a5decc",
37 "timestamp": "2024-10-25T15:39:21Z",
38 "deviceId": "59b0e8c2-87c4-4109-9b4c-bead14ed1f97",
39 "data": {
40 "format": "beacon",
41 "id": "DLN233301440",
42 "ssi": -46,
43 "value": "17.59"
44 }
45 },
46 "analytics": {
47 "tenant": "f9339f76a7f1143dc30f587a46e09a6e",
48 "recordedTimestamp": "2024-10-25T15:39:37.618Z",
49 "resourceId": "db8597cd-6176-415c-bff4-90583a77f9a6",
50 "timestamp": "2024-10-25T15:39:21Z",
51 "meta": {
52 "data": {
53 "taskId": "3aabc8ea-00f1-4780-9256-817f024d0bd3",
54 "task_alarm": false,
55 "notes": "",
56 "assetIds": []
57 }
58 },
59 "coordinates": {
60 "global": {
61 "lat": 37.522003,
62 "lng": -121.953835
63 }
64 }
65 },
66 ],
67 "decode": {
68 "temperature": {
69 "sample": 17.59,
70 "deviation": 0.0,
71 "format": "celsius",
72 "taskId": "3aabc8ea-00f1-4780-9256-817f024d0bd3",
73 "alert": false
74 }
75 },
76 },
77 {
78 "type": "beacon",
79 "event": {
80 "id": "b32a6d08-cffc-4fd3-b1bb-06a3218alc2c",
81 "timestamp": "2024-10-25T15:38:51Z",
82 "deviceId": "59b0e8c2-87c4-4109-9b4c-bead14ed1f97",
83 "data": {
84 "format": "beacon",
85 "id": "DLN233301440",
86 "ssi": -46,
87 "value": "17.59"
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90 "analytics": {
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98 "task_alarm": false,
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359 "alert": false
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362 },
363 ],
364 "decode": {
365 "temperature": {
366 "sample": 17.59,

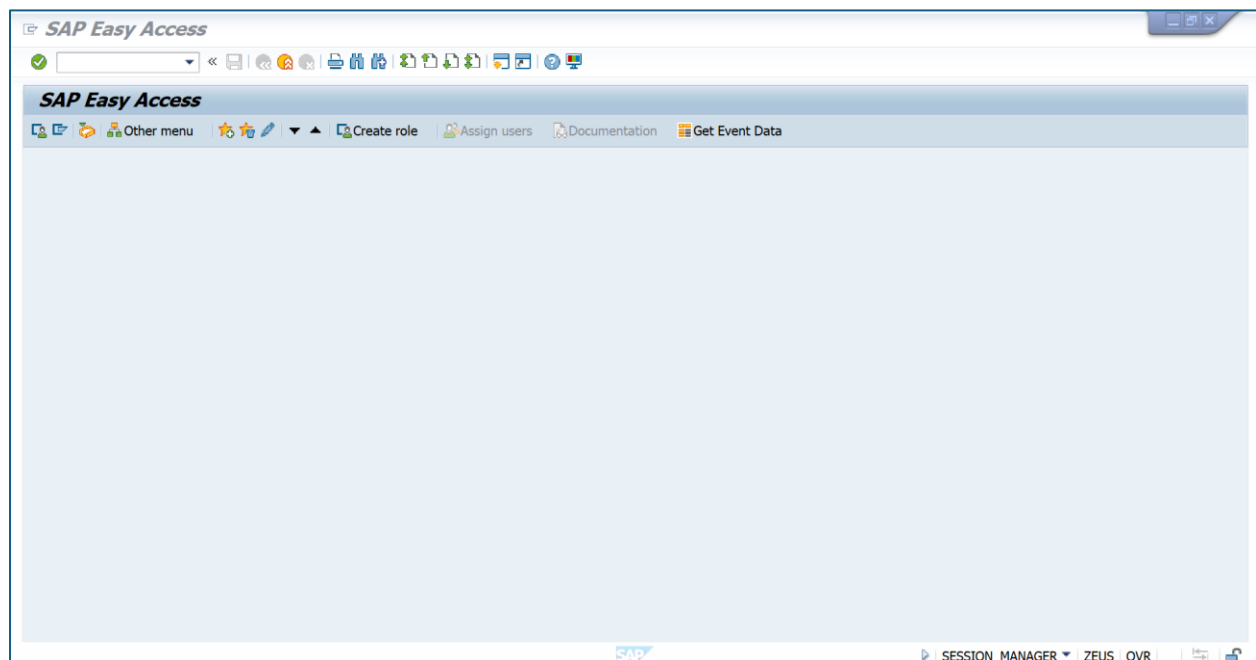
```

```

C:\LiquidUI\Scripts\SAPLSMTR_NAVIGATION.E0100.js - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
SAPLSMTR_NAVIGATION.E0100.js
102      },
103      "coordinates": {
104        "global": {
105          "lat": 37.522003,
106          "lng": -121.953835
107        }
108      },
109      "decode": {
110        "temperature": {
111          "sample": 17.59,
112          "deviation": 0.0,
113          "format": "celsius",
114          "taskId": "3aabc0ea-00f1-4780-9256-817f024d0bd3",
115          "alert": false
116        }
117      }
118    }
119  };
120  };
121  };
122
123  //Defining the Eventdata Array
124  Eventdata = [];
125  totalRows = objTaskEventList.results.length;
126
127  // Values Containing all relevant data for each record
128  for (var j=0,idx=1;j<totalRows;j++,idx++) {
129    var result = objTaskEventList.results[j];
130    var Values = [
131      idx, // Sl.No
132      result.event.timestamp, // Timestamp
133      result.event.deviceId, // Device ID
134      result.decode.temperature.sample, // Temperature (Sample)
135      result.decode.temperature.alert // Temperature (Alert)
136    ];
137    Eventdata.push(Values);
138  }
139  set("V[z_flag]","1");
140
141
142  // Calling the function to display the event data
143  pushbutton([TOOLBAR],"8688Get Event Data","2",{process:GetEventData});
144
JavaScript file length: 4,214 lines: 144 Ln: 143 Col: 73 Pos: 4,213 Windows (CR LF) UTF-8 INS

```

**Step -3:** Login to SAP and on SAP Easy Access Screen Click on the Get Event Data push button as shown below:



**Step -4:** File Dialog will Popup, Select the file.

**Event Data - Screen Modified using Liquid UI**

Other menu | Create role | Assign users | Documentation | Get Event Data

SI.No	Timestamp	Device ID	Temperature (Sample)	Temperature (Alert)
1	2024-10-25T15:39:21Z	59b0e8c2-87c4-4109-9b4c-b	17.59	false
2	2024-10-25T15:38:51Z	59b0e8c2-87c4-4109-9b4c-b	17.59	false

Total Count: 2

SAP | SESSION\_MANAGER | ZEUS | OVR

## Liquid UI Script

### //Deleting the Screen Controls

### //Liquid UI Code:

```
del("X[IMAGE_CONTAINER]");
```

### //Design Screen

```
if(z_flag==1){  
    title("Event Data - Screen Modified using Liquid UI");  
    text([8,1],"Total Count: &V[totalRows]");  
    // Create a new table with the appropriate number of rows based on results length  
    table([1, 1], [4, 96], { "name": "event_table", "title": "Event Data",  
"rows":totalRows,"rowselection":true,"columnselection":true});
```

### // Add columns to the table

```
column("Sl.No", { "size": 5, "name": "slns_column" });  
column("Timestamp", { "size": 25, "name": "timestamp_column" });  
column("Device ID", { "size": 25, "name": "deviceid_column" });  
column("Temperature (Sample)", { "size": 18, "name": "temperature_column" });  
column("Temperature (Alert)", { "size": 15, "name": "alert_column" });
```

### // Populating the Liquid UI table with the extracted data

```
for (var j=0; j<totalRows; j++) {  
    event_table.slns_column[j] = Eventdata[j][0];  
    event_table.timestamp_column[j] = Eventdata[j][1];  
    event_table.deviceid_column[j] = Eventdata[j][2];  
    event_table.temperature_column[j] = Eventdata[j][3];  
    event_table.alert_column[j] = Eventdata[j][4];  
}  
}
```

//Function to display the Object data into Liquid UI Table

```
function GetEventData(){
```

```
// Task Event Data
```

```
var objTaskEventList = {
```

```
  "results": [
```

```
    {
```

```
      "type": "beacon",
```

```
      "event": {
```

```
        "id": "a308c3f0-bf50-4180-a315-6f5f91a5decc",
```

```
        "timestamp": "2024-10-25T15:39:21Z",
```

```
        "deviceId": "59b0e8c2-87c4-4109-9b4c-bead14ed1f97",
```

```
        "data": {
```

```
          "format": "beacon",
```

```
          "id": "DLN233301440",
```

```
          "rssi": -46,
```

```
          "value": "17.59"
```

```
        }
```

```
      },
```

```
      "analytics": {
```

```
        "tenant": "f9339f76a7f1143dc30f587a46e09a6e",
```

```
        "recordedTimestamp": "2024-10-25T15:39:37.618Z",
```

```
        "resourceId": "db8597cd-6176-415c-bff4-90583a77f9a6",
```

```
        "timestamp": "2024-10-25T15:39:21Z",
```

```
        "meta": {
```

```
          "data": {
```

```
            "taskId": "3aabc8ea-00f1-4780-9256-817f024d0bd3",
```

```
            "task_alarm": false,
```

```
            "notes": "",
```

```
            "assetIds": []
```

```
          }
```

```
        },
```

```
        "coordinates": {
```

```
          "global": {
```

```
            "lat": 37.522003,
```

```
            "lng": -121.953835
```

```

    }
  }
},
"decode": {
  "temperature": {
    "sample": 17.59,
    "deviation": 0.0,
    "format": "celsius",
    "taskId": "3aabc8ea-00f1-4780-9256-817f024d0bd3",
    "alert": false
  }
}
},
{
  "type": "beacon",
  "event": {
    "id": "b32a6d08-cffc-4fd3-b1bb-06a3218a1c2c",
    "timestamp": "2024-10-25T15:38:51Z",
    "deviceId": "59b0e8c2-87c4-4109-9b4c-bead14ed1f97",
    "data": {
      "format": "beacon",
      "id": "DLN233301440",
      "rssi": -46,
      "value": "17.59"
    }
  }
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"analytics": {
  "tenant": "f9339f76a7f1143dc30f587a46e09a6e",
  "recordedTimestamp": "2024-10-25T15:39:37.618Z",
  "resourceId": "db8597cd-6176-415c-bff4-90583a77f9a6",
  "timestamp": "2024-10-25T15:38:51Z",
  "meta": {
    "data": {
      "taskId": "3aabc8ea-00f1-4780-9256-817f024d0bd3",
      "task_alarm": false,
      "notes": ""
    }
  }
}

```

```

        "assetIds": []
    },
    "coordinates": {
        "global": {
            "lat": 37.522003,
            "lng": -121.953835
        }
    },
    "decode": {
        "temperature": {
            "sample": 17.59,
            "deviation": 0.0,
            "format": "celsius",
            "taskId": "3aabc8ea-00f1-4780-9256-817f024d0bd3",
            "alert": false
        }
    }
}
];

```

#### //Defining the Eventdata Array

```

Eventdata = [];
totalRows = objTaskEventList.results.length;

```

#### // Loops through each result and pushing it to arrays

```

for (var j=0,idx=1;j<totalRows;j++,idx++) {
    var result = objTaskEventList.results[j];
    var Values = [
        idx, // Sl.No
        result.event.timestamp, // Timestamp
        result.event.deviceId, // Device ID
        result.decode.temperature.sample, // Temperature (Sample)
        result.decode.temperature.alert // Temperature (Alert)
    ];
}

```

```
];  
    Eventdata.push(Values);  
}  
    set("V[z_flag]","1");  
}
```

// Calling the function to display the event data

```
pushbutton([TOOLBAR],"@6S@Get Event Data","?",{"process":GetEventData});
```

**\*\*END\*\***