

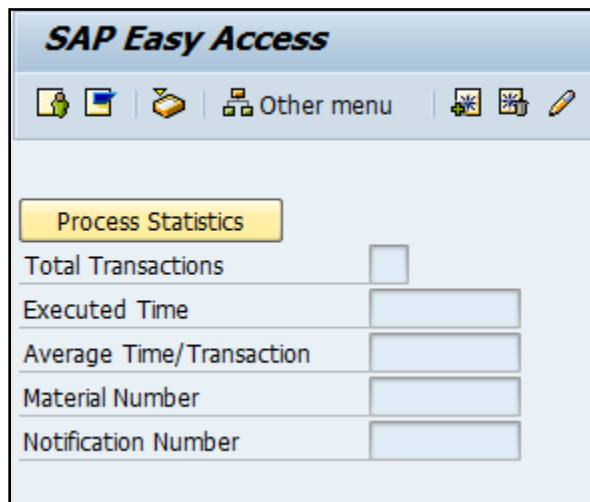
Liquid UI: Processing Statistics Calculation

Purpose

Calculate the processing statistics of transactions.

User Interface

Log into SAP and on the SAP Easy Access Screen click on the 'Process Statistics' pushbutton.



The screenshot displays the SAP Easy Access interface. At the top, there is a header bar with the text "SAP Easy Access" and a toolbar containing icons for user management, document management, and a menu labeled "Other menu". Below the header, a yellow button labeled "Process Statistics" is visible. Underneath the button, there is a table with five rows, each representing a different statistical field. The first row, "Total Transactions", has a small input field. The subsequent four rows, "Executed Time", "Average Time/Transaction", "Material Number", and "Notification Number", each have a larger rectangular input field.

Field	Input Field
Total Transactions	<input type="text"/>
Executed Time	<input type="text"/>
Average Time/Transaction	<input type="text"/>
Material Number	<input type="text"/>
Notification Number	<input type="text"/>

Liquid UI Code [Script]

User Interface file –

```
SAPLSMTR_NAVIGATION.E0100.sjs
1
2 // Function to convert milliseconds to Sec/Min/Hrg/Days
3 function timeConversion(millisecond) {
4     var seconds = (millisec / 1000).toFixed(2);
5     var minutes = (millisec / (1000 * 60)).toFixed(2);
6     var hours = (millisec / (1000 * 60 * 60)).toFixed(2);
7     var days = (millisec / (1000 * 60 * 60 * 24)).toFixed(2);
8
9     if (seconds < 60) {
10         return seconds + " Sec";
11     } else if (minutes < 60) {
12         return minutes + " Min";
13     } else if (hours < 24) {
14         return hours + " Hrg";
15     } else {
16         return days + " Days"
17     }
18 }
19
20 // Function to calculate Processing Statistics
21 function processingStatistics(){
22     var nExecutedTransactions = 0;
23     var s = new Date();
24
25     onscreen 'SAPLSMTR NAVIGATION.0100'
26     enter('/nMM01');
27
28     onscreen 'SAPLMGMM.0060'
29     set('F[Industry sector]','M');
30     set('F[Material Type]','FERT');
31     enter('/5');
32
33     onscreen 'SAPLMGMM.0070'
34     enter('/19');
```

```

36     onscreen 'SAPLMGMM.0070'
37         set('cell[TABLE,0,1]', 'X');
38         enter();
39
40     onscreen 'SAPLMGMM.4004'
41         set('F[MAKT-MAKTX]', 'Test 1');
42         set('F[MARA-MEINS]', 'EA');
43         enter('/11');
44
45     onscreen 'SAPLMGMM.0060'
46         set('V[z_mm01_num]', _message.match(/\d+/));
47         nExecutedTransactions++;
48         enter('/nIW21');
49
50     onscreen 'SAPLIQS0.0100'
51         set("F[Notification type]", "M1");
52         enter();
53
54     // This is the second screen of IW21
55     onscreen 'SAPLIQS0.7200'
56         // this field is for the notification description
57         set("F[VIQMEL-QMTXT]", "test");
58         set("F[Functional loc.]", "21-B02");
59         set("F[Equipment]", "TEQ-21");
60         enter('/11');
61
62     onscreen 'SAPLIQS0.0100'
63         set('V[z_iw21_num]', _message.match(/\d+/));
64         nExecutedTransactions++;
65         enter('/nMMBE');
66
67     onscreen 'RMMMBESTN.1000'
68         set('F[Material]', '97104');
69         enter('/8');
70

```

```

71     onscreen 'RMMMBESTN.0300'
72         nExecutedTransactions++;
73         enter('/n');
74
75     onscreen 'SAPLSMTR_NAVIGATION.0100'
76         var e = new Date();
77         var timeElapsed = e - s;
78         var perTranTime = timeElapsed / nExecutedTransactions;
79
80         set('V[z_transactions]', '&V[nExecutedTransactions]');
81         timeElapsed = timeConversion(timeElapsed);
82         perTranTime = timeConversion(perTranTime);
83         set('V[z_executed_time]', '&V[timeElapsed]');
84         set('V[z_avg_time]', '&V[perTranTime]');
85         enter('?');
86     }
87
88     // User Interface
89     clearscreen();
90     pushbutton([1,0], "Process Statistics", {"process":processingStatistics});
91     inputfield([2,0], "Total Transactions", [2,25], {"size":2, "name":"z_transactions", "readonly":true});
92     inputfield([3,0], "Executed Time", [3,25], {"size":10, "name":"z_executed_time", "readonly":true});
93     inputfield([4,0], "Average Time/Transaction", [4,25], {"size":10, "name":"z_avg_time", "readonly":true});
94     inputfield([5,0], "Material Number", [5,25], {"size":10, "name":"z_mm01_num", "readonly":true});
95     inputfield([6,0], "Notification Number", [6,25], {"size":10, "name":"z_iw21_num", "readonly":true});

```