

Fetching SAP Grid Data into Arrays using WS Function

Purpose:

Fetching data from the SAP grid into Array variables using WS function.

Using:

Data from grid is fetched into array variables with WS function by using "Select All" and "Details" buttons functionality of SAP.

Below example demonstrates the reading of notification grid data into array variables from IW28 transaction.

-> On screen "Selection of Notifications" enter appropriate filters and click on "Execute".

-> On screen "List of Notifications" add below code.

LiquidUI Code:

```
//pushbutton to call function getnotifications
```

```
pushbutton( [TOOLBAR], "Get Notifications",{ "process":getnotifications});
```

```
function countnotifications(){
```

```
    z_count_notif=0;
```

```
    z_iw28_notif = [];
```

```
    z_iw28_notifdesc = [];
```

```
    z_iw28_notifdate = [];
```

```
// Display Notifications: List of Notifications
```

```
    onscreen 'SAPLSLVC_FULLSCREEN.0500'
```

```
        enter('/5');    //selects all notifications in grid
```

```
// Display Notifications: List of Notifications
```

```
onscreen 'SAPLSLVC_FULLSCREEN.0500'
```

```
enter('/37'); //navigates to details of first notification
```

```
// Display PM Notification: Maintenance request
```

```
onscreen 'SAPLIQS0.7200'
```

```
//logic to fetch notification numbers and respective details by looping
```

```
    FETCHNOTIF:
```

```
        z_count_notif = z_count_notif+1;
```

```
        set("V[z_iw28_n]", "&F[VIQMEL-QMNUM]");
```

```
        z_iw28_notif.push(z_iw28_n);
```

```
        set("V[z_iw28_ndate]", "&F[VIQMEL-QMDAT]");
```

```
        z_iw28_notifdate.push(z_iw28_ndate);
```

```
        set("V[z_iw28_nd]", "&F[VIQMEL-QMTXT]");
```

```
        z_iw28_notifdesc.push(z_iw28_nd);
```

```
        enter('/3');
```

```
// with '/3' screen navigates to details of next notification till last notification in grid is reached
```

```
onscreen 'SAPLIQS0.7200'
```

```
    goto FETCHNOTIF;
```

```
    enter();
```

```
onscreen 'SAPLSLVC_FULLSCREEN.0500'
```

```

        message("number of notifications is:"+z_count_notif);
        enter('?');
    }

    // display the data in the arrays on cornelius
    for(i=0;i<z_count_notif;i++){
        println('-----z_iw28_notif_'+i+'='+z_iw28_notif[i]);
        println('-----z_iw28_notif_'+i+'='+z_iw28_notifdesc[i]);
        println('-----z_iw28_notif_'+i+'='+z_iw28_notifdate[i]);
    }

```



-> Click on "Read to Arrays" button on toolbar.

-> After execution data stored in arrays can be viewed on cornelius.










IW28 - 'Selection of Notifications' screen


Add appropriate filters and click on 'Execute'.

Change Notifications: Selection of Notifications




Notification status
☒ Outstanding ☐ Postponed ☒ In process ☐ Completed Sel.profil Addr.  

Notification selection

Notification	<input type="text"/>	to	<input type="text"/>	
Notification type	<input type="text"/>	to	<input type="text"/>	
Functional location	<input type="text"/>	to	<input type="text"/>	
Equipment	10000461	to	<input type="text"/>	
Material	<input type="text"/>	to	<input type="text"/>	
Serial number	<input type="text"/>	to	<input type="text"/>	
Addit. device data	<input type="text"/>	to	<input type="text"/>	
Order	<input type="text"/>	to	<input type="text"/>	
Notification date	11/12/2015	...	08/10/2017	
Partners	<input type="text"/>			

Cls. 

General Data/Administrative Data

Description	<input type="text"/>	to	<input type="text"/>	
Created by	<input type="text"/>	to	<input type="text"/>	
Created on	<input type="text"/>	to	<input type="text"/>	

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IW28 - 'List of Notifications' screen

Click on 'Read to Arrays' button.


Change Notifications: List of Notifications

Order Order Notification Read to Arrays

S	Notification	Notif.date	Description
	10030101	11/24/2015	test
	10030102	11/24/2015	test
	10030103	11/24/2015	test
	10030104	11/24/2015	test
	10030105	11/24/2015	test
	10030106	11/24/2015	test
	10030107	11/24/2015	test
	10030108	11/24/2015	test
	10030109	11/24/2015	test
	10030110	11/24/2015	test
	10030111	11/24/2015	test
	10030112	11/24/2015	test
	10030113	11/23/2015	test
	10030114	11/23/2015	test
	10030115	11/23/2015	test
	10030116	11/23/2015	test
	10030117	11/23/2015	test
	10030118	11/23/2015	test
	10030119	11/23/2015	test
	10030120	11/23/2015	test
	10030121	11/23/2015	test

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Cornelius output with data in arrays

 Cornelius Output

```
Executing C:\LiquidUI\Articles\SAPLSLVC_FULLSCREEN.E0500.sjs ...
```

```
-----z_iw28_notif_0=10030101
-----z_iw28_notif_0=test
-----z_iw28_notif_0=11/24/2015
-----z_iw28_notif_1=10030102
-----z_iw28_notif_1=test
-----z_iw28_notif_1=11/24/2015
-----z_iw28_notif_2=10030103
-----z_iw28_notif_2=test
-----z_iw28_notif_2=11/24/2015
-----z_iw28_notif_3=10030104
-----z_iw28_notif_3=test
-----z_iw28_notif_3=11/24/2015
-----z_iw28_notif_4=10030105
-----z_iw28_notif_4=test
-----z_iw28_notif_4=11/24/2015
-----z_iw28_notif_5=10030106
-----z_iw28_notif_5=test
-----z_iw28_notif_5=11/24/2015
-----z_iw28_notif_6=10030107
-----z_iw28_notif_6=test
-----z_iw28_notif_6=11/24/2015
-----z_iw28_notif_7=10030108
-----z_iw28_notif_7=test
-----z_iw28_notif_7=11/24/2015
-----z_iw28_notif_8=10030109
-----z_iw28_notif_8=test
-----z_iw28_notif_8=11/24/2015
-----z_iw28_notif_9=10030110
-----z_iw28_notif_9=test
```