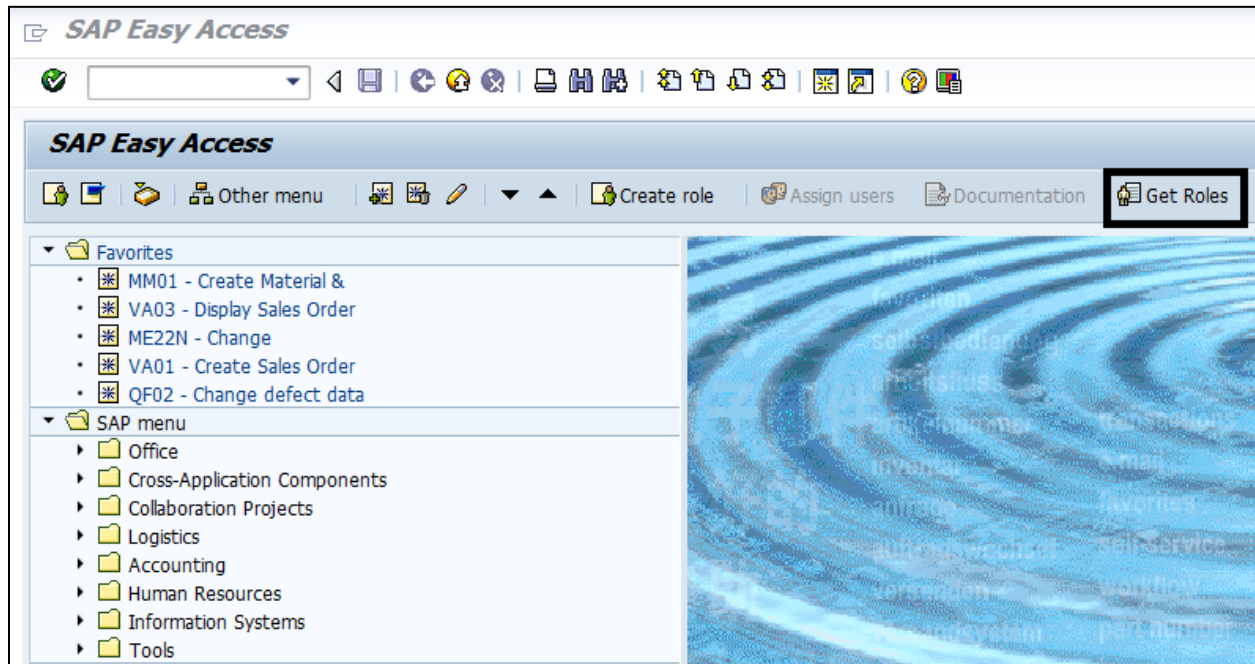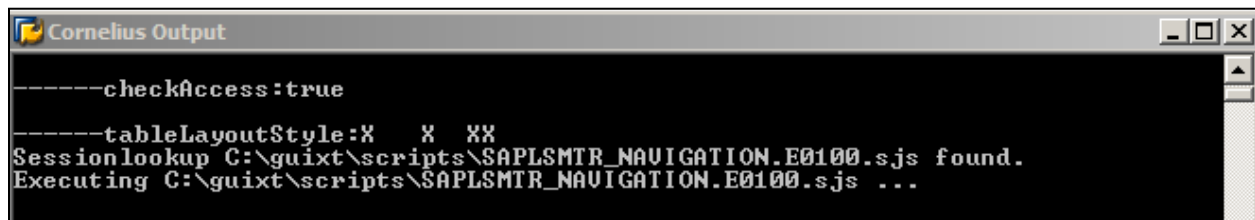# Liquid UI: Determine authorizations using SAP Roles and Profiles

User Interface

Log into SAP and on the SAP Easy Access Screen click on the 'Get Roles' toolbar pushbutton.

The function will call the 'BAPI_USER_GET_DETAIL' function module and the output is printed on the Console (Cornelius Output).

Liquid UI Code [Script]

```
//**********************************************************************************************
//Purpose: Function is called to validate if the variable holds blank or null value
//**********************************************************************************************
function isBlank(jvar){
    if(typeof jvar == 'string') {
        jvar = jvar.trim();
    }
    return(jvar == 'undefined' || jvar == null || jvar == "" || jvar == void 0);
}


//**********************************************************************************************
//Purpose: Function is called to remove blank spaces
//**********************************************************************************************
function trim(str){
    str = str.replace(/^\s+|\s+$/g,"");
    return str;
}


//**********************************************************************************************
//Purpose: Function is called to read user SAP role and profile
//**********************************************************************************************
function getAuthorizations(){
    call('BAPI_USER_GET_DETAIL', {"in.USERNAME":"&V[_user]","table.ACTIVITYGROUPS":"Z_ROLES",'table.PARAMETER':'arParam'});
}


//**********************************************************************************************
//Purpose: Function is called to see if current user has the roleName match
//**********************************************************************************************
function roleExists(roleName){
    for (i = 0; i < Z_ROLES.length; i++)    {
        var z_userrole = Z_ROLES.toString().substring(0,25).trim();
        if(z_userrole == roleName) {
            return true;
        }
    }
    return false;
}
```

```
//**********************************************************************************************
//Purpose: Function is called to see if current user has the tableLayoutRegion match
//**********************************************************************************************
function tableLayout(tableLayoutRegion) {
    for (i = 0; i < arParam.length; i++)    {
        var z_layout = arParam.toString().substring(0,16).trim();
        if(z_layout == tableLayoutRegion) {
            layout_check_value=arParam.toString().substring(17,30);
            layout_check_value=layout_check_value.trim();
            return layout_check_value;
        }
    }
    return 'DEFAULT';
}


//**********************************************************************************************
//Purpose: Main Function to test and print the output on the console
//**********************************************************************************************
function CheckAuthorizations(){    // Test for role
    getAuthorizations();
    checkAccess=roleExists("SAP_BC_DWB_ABAPDEVELOPER");
    tableLayoutStyle=tableLayout("WLC");
    // Below println's to print the values of the variables on the console output
    println('\n------checkAccess:'+checkAccess);
    println('\n------tableLayoutStyle:'+tableLayoutStyle);
}

pushbutton( [TOOLBAR], "@F8@Get Roles", "?", {"process":CheckAuthorizations});
```