

## Making Structured RFC Calls

### **Purpose :**

Below example demonstrates structure to make function module calls, display message to the user if the call was successful and display an error message if the call was not successful.

### **Liquid UI Code :**

```
////////////////////////////////// SAPLSMTR_NAVIGATION.E0100.sjs//////////////////////////////////  
  
// User Interface  
  
clearscreen();  
  
inputfield([1,0],"Message",[1,10],{"name":"z_message","size":70,"readonly":true});  
  
pushbutton([3,1],"Get Messsage","?",{ "size":[2,20],"process":getMessage});  
  
  
//Functions  
  
//To remove blank spaces from variable values  
String.prototype.trim = function() {  
    return this.replace(/^\s+|\s+$/g,"");  
}  
  
  
//Function to return trimmed string  
function getString(strInput) {  
    return (typeof(strInput) == 'undefined' || strInput == 'undefined') ? "" : strInput.toString().trim();  
}  
  
  
//Function to check for blank string  
function isBlank(strInput) {  
    var strVal = getString(strInput);  
    var blank = strVal == "";  
    return blank;  
}
```

```
//Function to call BAPI and display results
```

```
function getMessage(){
```

```
    onscreen 'SAPLSMTR_NAVIGATION.0100'
```

```
    rfcresult =
```

```
call('BAPI_USER_CHANGE',{in.USERNAME:'&V[_user]',out.GENERATED_PASSWORD:'z_gen_pswd','table.RETURN':'z_return'});
```

```
    if(rfcresult.rfc_rc != 0) {
```

```
        // Cannot Call RFC for any reason
```

```
        // RFC call was *NOT* successful.
```

```
        message('E: Error! RFC Call Failed to Return Data');
```

```
        enter("?");
```

```
        goto SCRIPT_END;
```

```
    } else {
```

```
        if(!isBlank(rfcresult.exception)) {
```

```
            // RFC Call succeeded, but the ABAP code in the function module generated an exception
```

```
            // Display message to user, that rfc exception occurred (you can use rfcresult.exception)
```

```
            message('E: Error! '+rfcresult.exception);
```

```
            enter("?");
```

```
            goto SCRIPT_END;
```

```
        }
```

```
    }
```

```
// RFC Call was successful
```

```
if(!isBlank(z_return)){
```

```
    set('V[z_message]', z_return.toString().substring(24,244));
```

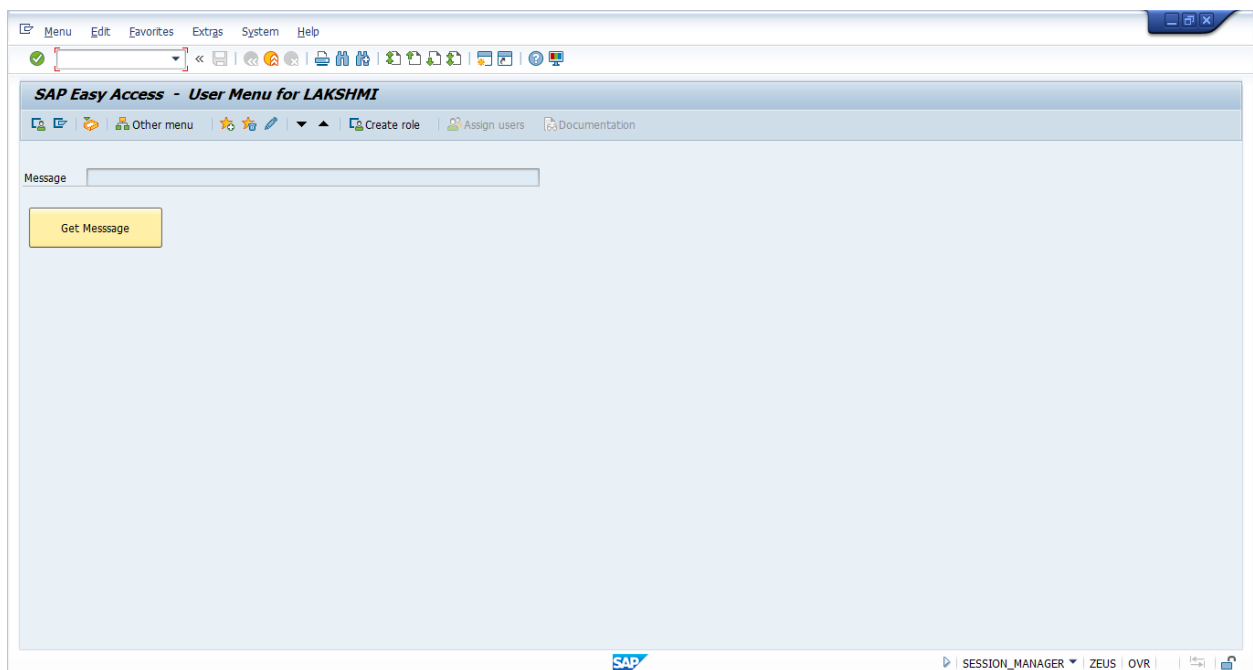
```
}
```

```
message('S: RFC call was successful');
```

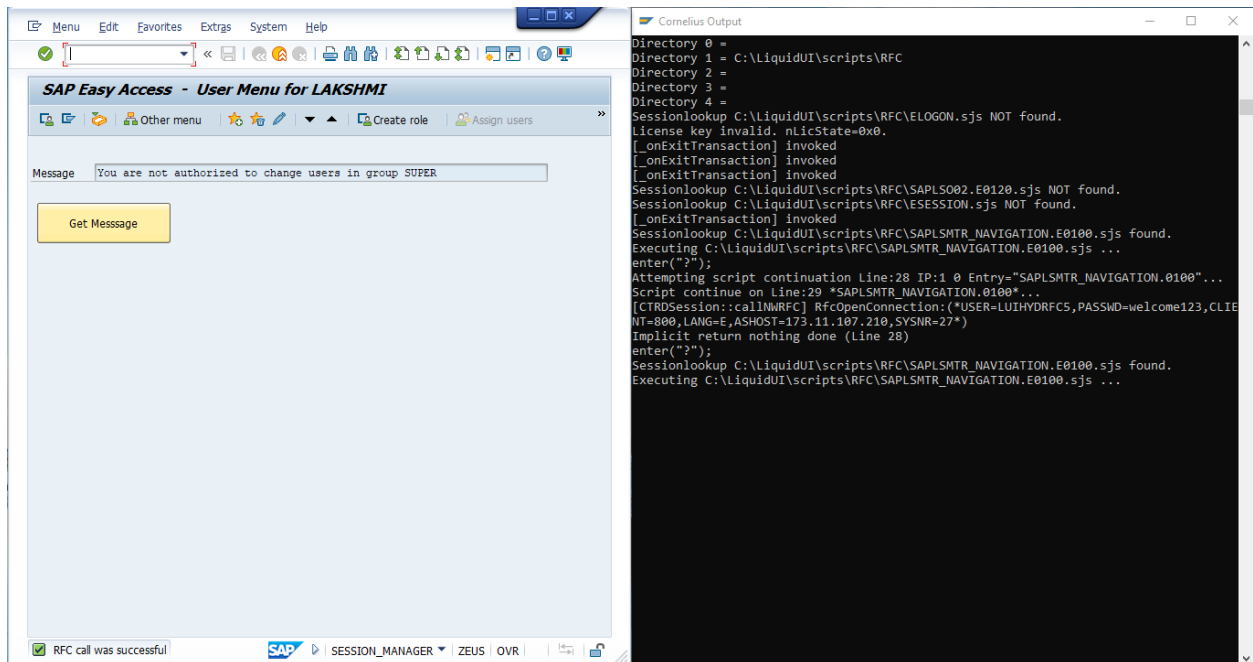
```
enter('?');
```

```
SCRIPT_END;;  
}
```

On the Easy Access Screen you can see the below user interface. Click on the 'Get Message' pushbutton to see the message in the input field.



If the RFC call was successful, you can see text in the message input field and a success message.



If the RFC call was not successful, you will see an error message.

