

How-To Write to Secured Dimension Members in Default Logic

Applicable Releases:

SAP BusinessObjects Planning and Consolidation 7.5, version for SAP NetWeaver

IT Practice / Topic Area:

Development

Version 1.0.0

July 2010

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Document History

Document Version **Description**

1.0.0	Initial release
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Typographic Conventions

Type Style	Description
<i>Example Text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation
Example text	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example text	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

Icons

Icon	Description
	Caution
	Note or Important
	Example
	Recommendation or Tip

Table of Contents

1.	Business Scenario	1
2.	Background Information	1
3.	Prerequisites	1
4.	Example Configuration	2
4.1	Create a copy of ApShell	2
4.2	Create a User for Secured writeback Activities	3
4.3	Create Member Access Profiles	5
4.3.1	All Access Member Access Profile	5
4.3.2	Limited Access Member Access Profile.....	7
4.4	Configure Users.....	9
4.4.1	Configuring the BPC Client User	9
4.4.2	Configuring the Impersonation Account.....	11
5.	Development Tasks	13
5.1	Import the ZUJR_Impersonate Class	13
5.1.1	Copy R/K files to NetWeaver System	13
5.1.2	Import the Transport of Copies	13
5.2	Create the Sample BADI Implementation	16
5.2.1	Creating the BADI Implementation	16
5.2.2	Set the Filter Value	19
5.2.3	Implement IF_UJ_CUSTOM_LOGIC~EXECUTE	21
5.2.4	Update Default Logic to call the Sample BADI	25
6.	Example Execution	26
6.1	Use Case 1	26
6.2	Use Case 2.....	31

1. Business Scenario

SAP BusinessObjects Planning and Consolidation, version for the Microsoft platform (hereafter referred to as BPC_MS) allows default logic to write data to secured members that the calling user does not have access to. This functionality could be used to ensure that data written to secured dimension members was the result of a calculation, and not manual data entry (i.e. Input Schedules).

SAP BusinessObjects Planning and Consolidation, version for SAP NetWeaver (hereafter referred to as BPC_NW) performs the standard security checks with data written from default logic, thus this method no longer works by default.

CAUTION

Using this functionality could potentially cause SOX compliance issues! Ensure you investigate the ramifications of bypassing standard BPC_NW security mechanisms with your project team before implementing.

2. Background Information

This How-To guide provides a BPC_NW based solution to this feature difference between BPC_MS and BPC_NW. It includes a class that can be called within BADI's (or other custom code) that allows you to impersonate a user with the necessary privileges during writeback. It also includes details for an example BADI implementation based on the delivered Apshell application set.

3. Prerequisites

- SAP GUI / Developer Access to SAP NetWeaver Business Warehouse (SAP Netweaver BW)
- SAP BusinessObjects Planning and Consolidation, version for SAP NetWeaver
 - Version 7.5

4. Example Configuration

This section outlines the configuration of an example application set for use with the sample BADI.

4.1 Create a copy of ApShell

The sample BADI is based on the Planning application delivered in ApShell. The first step of configuring the example is to create a copy of ApShell. To do this:

1. Log into the BPC Administration Client
2. Select "Add New Application Set" from the Action Pane

Manage Application Sets

Application Set Task

[Add a new application set](#)

[Set application set status](#)

[Set template version](#)

[Refresh client-side dimension files](#)

[Delete an application set](#)

[User Activity](#)

3. Enter the Application Set name, a description and select "APSHELL" as the application to duplicate. Select "Go to next step".

Manage Application Sets

Add a New Application Set - Step 1 of 2

What is the name of the new application set?

What is the description of the new application set?

Which application set would you like to duplicate?

[Go to Next Step 2 of 2](#)

4. Leave all options selected. Click “Add new Application Set”.



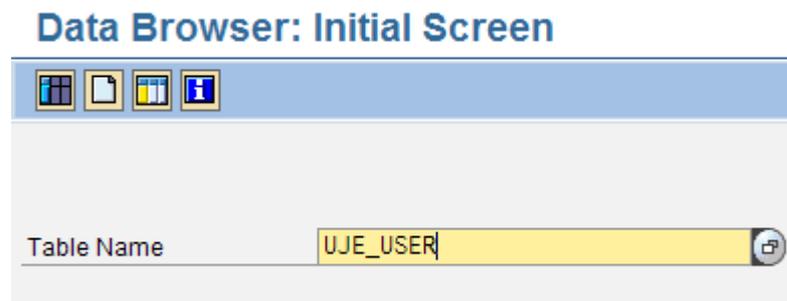
4.2 Create a User for Secured writeback Activities

In this section we will create a user that will have access to write to all secured dimensions. This user will be used in the sample BADI for impersonation.

In addition, this user will only exist in SAP NETWEAVER BW. This limits the risk of someone connecting directly to BPC_NW with this user.

To create the user:

1. Log into SAPGUI
2. Go to t-code SE16.
3. Enter UJE_USER as the table name and click the Table Contents button (F7)



4. Enter the name of the application set you created in step 4.1 and click Execute (F8).

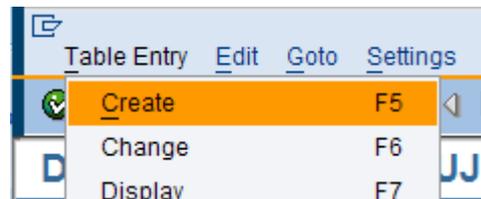
Data Browser: Table UJE_USER: Selection Screen

Number of Entries

APPSET_ID	APSHELL_DPS			
USER_ID		to		
FULLNAME		to		
EMAIL		to		
ACTIVE	<input type="checkbox"/>	to	<input type="checkbox"/>	
CAPTION		to		
USER_GUID		to		

Width of Output List: 250
 Maximum No. of Hits: 200

5. Select the "Table Entry -> Create" menu option (F5).



6. Enter the name of the application set created in step 4.1 as the APPSET ID, and a new user id for the USER ID. Click "Save"

Table Entry Edit Goto Settings Environment System Help

Table UJE_USER Insert

Reset Check Table...

MANDT	001
APPSET ID	APSHELL_DPS
USER ID	SAP_ALL\I814949_S

 Note

The user id does not need to exist in Active Directory in fact, it is better if it doesn't. That way it cannot be used to log in via the BPC client(s) and can only be used programmatically.

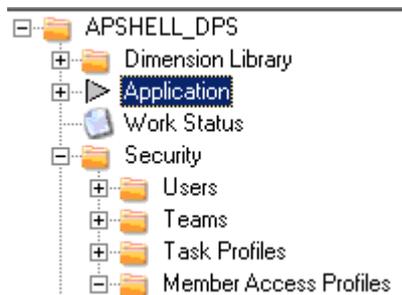
4.3 Create Member Access Profiles

In this step we will create two member access profiles. The first one will have read and write access to all secured dimension members, while the second will be limited to the "ACTUAL" category in the Planning application.

4.3.1 All Access Member Access Profile

In this step, we will create a member access profile with full access (read and write) to the secured dimensions.

1. Log into the application set created in step 4.1 via BPC Administration.
2. Expand Security in the left hand pane, and then select Member Access Profiles.



3. Select "Add a new Member Access Profile" in the Action Pane.

Manage Member Access Profiles

Member Access Profile Tasks

[Add new member access profile](#)

4. Enter MAP_FULL as the Member Access Profile name and optionally a description. Click Next.

SAP BusinessObjects - Add New Member Access Profile Assistant

1. Profile Setup 2. Access 3. Users 4. Finish

Name of profile

Enter a name and description for this profile

Profile name:

Profile description:

Step 1 of 4

Cancel < Back Next >

5. Enter the following for the Planning Application in the Access section:

- Access: Read & Write / Dimension: Category / Member: [ALL]
- Access: Read & Write / Dimension: P_CC / Member: [ALL]

PLANNING Application		RATE Application	
Define access rights for the secured dimensions in the following application: PLANNING			
	Access	Dimension	Member
	Read & Write	CATEGORY	[ALL]
	Read & Write	P_CC	[ALL]
*			

6. Enter the following for the RATE Application in the Access Section:
 - Access: Read & Write / Dimension: Category / Member: [ALL]
 - Access: Read & Write / Dimension: R_ENTITY / Member: [ALL]

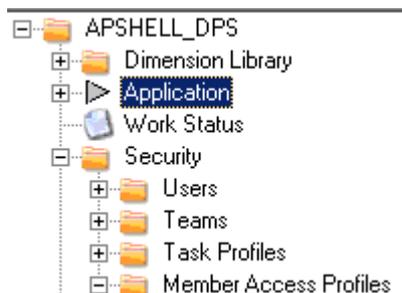
PLANNING Application		RATE Application	
Define access rights for the secured dimensions in the following application:RATE			
Access	Dimension	Member	
Read & Write	CATEGORY	[ALL]	...
▶ Read & Write	R_ENTITY	[ALL]	...
*			

7. Click Next.
8. Do not assign to any users or teams at this point. Click Next.
9. Click Apply

4.3.2 Limited Access Member Access Profile

In this step, we will create a member access profile with limited access to the Category secured dimension in the Planning application.

1. Log into the application set created in step 4.1 via BPC Administration.
2. Expand Security in the left hand pane, and then select Member Access Profiles.
- 3.



4. Select "Add a new Member Access Profile" in the Action Pane.

Manage Member Access Profiles

Member Access Profile Tasks

[Add new member access profile](#)

5. Enter MAP_LIMITED as the Member Access Profile name and optionally a description. Click Next.

6. Enter the following for the Planning application in the Access section:
 - Access: Read & Write / Dimension: Category / Member: ACTUAL
 - Access: Read Only / Dimension: Category / Member: [ALL]
 - Access: Read & Write / Dimension: P_CC / Member: [ALL]

PLANNING Application		RATE Application	
Define access rights for the secured dimensions in the following application: PLANNING			
	Access	Dimension	Member
	Read & Write	CATEGORY	ACTUAL
	Read Only	CATEGORY	[ALL]
▶	Read & Write	P_CC	[ALL]
*			

7. Enter the following for the Rate application in the Access section:
 - Access: Read & Write / Dimension: Category / Member: [ALL]
 - Access: Read & Write / Dimension: R_ENTITY / Member: [ALL]

PLANNING Application		RATE Application	
Define access rights for the secured dimensions in the following application:RATE			
	Access	Dimension	Member
	Read & Write	CATEGORY	[ALL]
▶	Read & Write	R_ENTITY	[ALL]
*			

8. Click Next.
9. Do not assign to any users or teams at this point. Click Next.
10. Click Apply

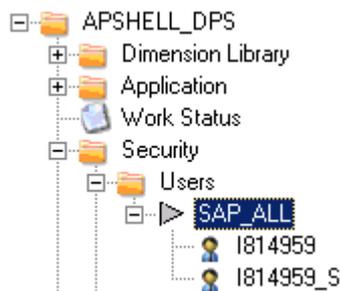
4.4 Configure Users

In this section we will configure two user accounts. The first can be any user account that exists in Active Directory. The second is the user account that we created in section 4.2.

4.4.1 Configuring the BPC Client User

The username used in this step will vary for each installation. Any valid Active Directory account can be used. In this example, the user id is "SAP_ALL\I814959".

1. Log into the application set created in step 4.1 via BPC Administration.
2. Expand Security -> Users -> Domain (where domain is your domain)



3. Select the user account you will use with this step and select “Modify User” in the Action Pane

Manage Users

User Tasks

[Add new user](#)

1814959 Tasks

[Modify user](#)

[Delete user](#)

4. Click “Next” in the User Setup section.
5. Click “Next” in the User Detail section.
6. Do not assign the user to a team.
7. Select the “Assign to Task Profiles” tab. Assign the user to the FULL_TSK task profile.

Task profile:

FULL_TSK

Selected users:

 SAP_ALL\814959

8. Select the “Assign to Member Access profiles” tab and assign the user to MAP_LIMITED.

Member access profile:

MAP_LIMITED

Selected users:

 SAP_ALL\814959

9. Click Next

Summary

Review the summary, then click Apply to save your settings and process security

Here is a summary of your new user selections:

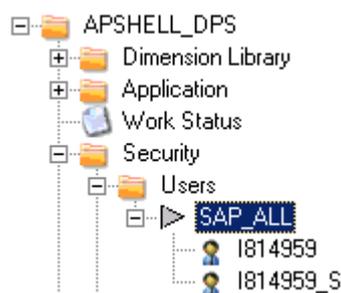
User ID	Teams	Task Profiles	Member Access Profiles
SAP_ALL\1814959	<unassigned>	FULL_TSK	MAP_LIMITED

10. Click Apply

4.4.2 Configuring the Impersonation Account

The username used in this step is the same user id created in step 4.2.

1. Log into the application set created in step 4.1 via BPC Administration.
2. Expand Security -> Users -> Domain (where domain is your domain)



3. Select the user account you will use in this step and select "Modify User" in the Action Pane.

Manage Users

User Tasks

[Add new user](#)

1814959 Tasks

[Modify user](#)

[Delete user](#)

4. Click "Next" in the User Setup section.
5. Click "Next" in the User Detail section.

- Do not assign the user to a team.
- Select the “Assign to Task Profiles” tab. Assign the user to the FULL_TSK task profile.

Task profile:

FULL_TSK

Selected users:

SAP_ALLN814959
SAP_ALLN814959_S

- Select the “Assign to Member Access profiles” tab and assign the user to MAP_LIMITED.

Member access profile:

MAP_FULL

Selected users:

SAP_ALLN814959_S

- Click Next

Summary				
Review the summary, then click Apply to save your settings and process security				
Here is a summary of your new user selections:				
	User ID	Teams	Task Profiles	Member Access Profiles
▶	SAP_ALLN814959_S	<unassigned>	FULL_TSK	MAP_FULL

- Click Apply

5. Development Tasks

This section outlines the development tasks involved in importing the ZUJR_IMPERSONATE class, as well as setting up and configuring the sample BADI for use case testing in section 6.

5.1 Import the ZUJR_Impersonate Class

This section describes the process of importing the ZUJR_IMPERSONATE class from a “transport of copies” into your NetWeaver system.

The ZUJR_IMPERSONATE class exposes one public method, write_data_as_user. This method takes the following import parameters:

- P_USER_ID – the user id to impersonate during writeback
- P_APPSET_ID – the application set id where the writeback operation will occur.
- P_APP_ID – the application id where the writeback operation will occur.
- PT_DATA – the data to writeback
- P_REVERSE_SIGN – a true/false value that determines whether signs are reversed for INC/LEQ accounts during writeback.

It exports the following parameters:

- PT_MESSAGE – a table of messages returned by the writeback engine
- PT_STATUS – a structure detailing the number of submitted/accepted and rejected records as returned by the writeback engine.
- PT_ERROR_REOCRDS – a table including the details for any rejected records that the writeback engine encountered.

This method provides extensive logging, which can be found in t-code UJFS under the following path: root/webfolders/\$application_set/\$application/privatepublications/\$domain/\$user/\$datetime/default.log where:

- \$application_set = your application set
- \$application = your application (PLANNING in this example)
- \$domain = Active Directory domain of submitting user
- \$user = Active Directory user id of submitting user
- \$datetime = Date / Timestamp of default logic execution

5.1.1 Copy R/K files to NetWeaver System

1. Copy K900318.EPM to the usr\sap\trans\cfiles directory.
2. Copy R900318.EPM to the usr\sap\trans\data.

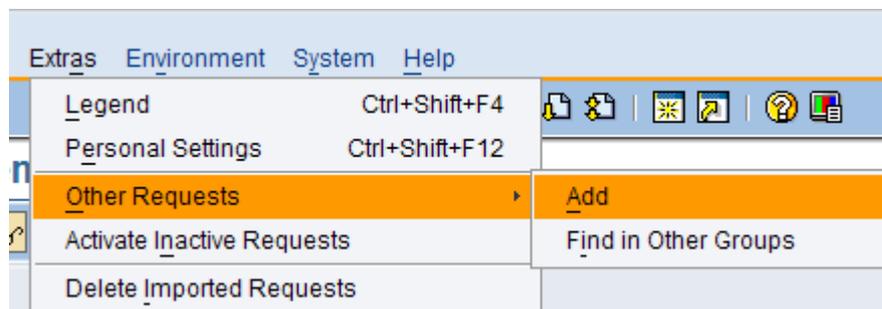
5.1.2 Import the Transport of Copies

1. Log into SAPGUI for the SAP Netweaver BW system.
2. Go to the transport management system (t-code STMS)

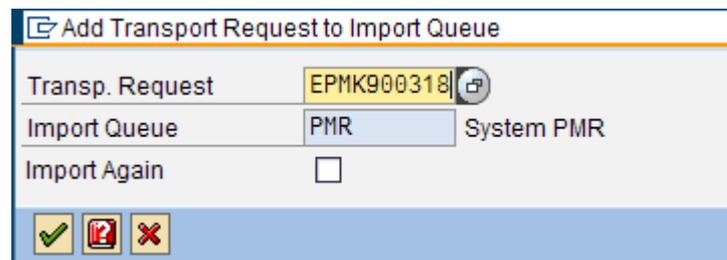
3. Select the import overview (F5)



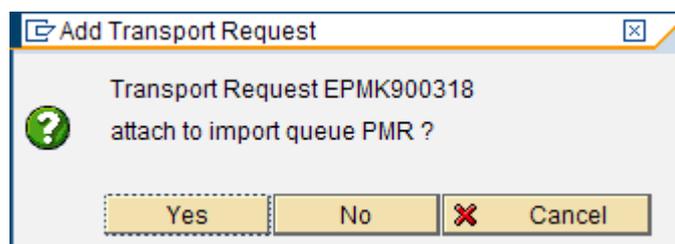
4. Double click the appropriate transport queue.
5. Select Extras -> Other Requests -> Add



6. Enter EPMK900318 as the Transport Request and click continue.



7. Select "Yes" in the Add Transport Request dialog.



8. Select EPMK900318 in the Request list and select Import Request (F11 – small truck )

9. Enter the appropriate "Target Client" and select continue.

Import Transport Request

Transport Request	EPMK900318	ZUJR_IMPERSONATE Transport - July 27, 2010
Target System	PMR	System PMR
Target Client	001	BW Client

Date Execution Options

Start Date

Immediate

At Start Time

Planned Start

No Start After

After Event

Event

Parameters

✓ ⚠ ? ✖

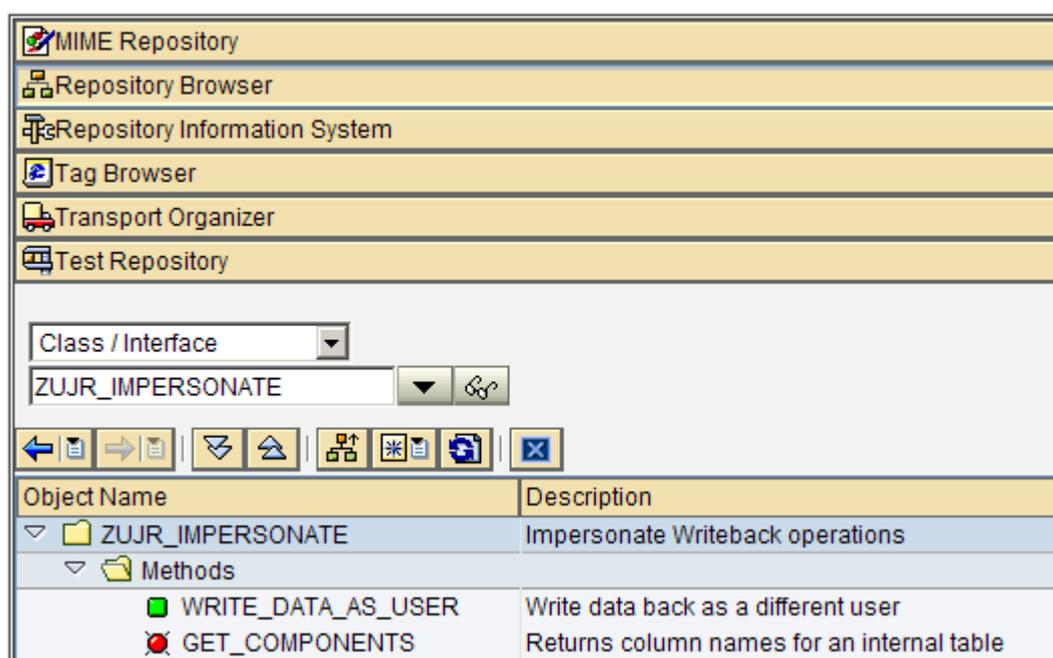
10. Select "Yes" to start the import.

11. You should see a line similar to the following in the request list once the import has completed successfully.

120 | EPMK9000318 | I814959 | ZUJR_IMPERSONATE Transport - July 27, 2010 | ✓

↑ Tip

You can take a look at the code for class ZUJR_IMPERSONATE in t-code SE80 once the import is complete.



5.2 Create the Sample BADI Implementation

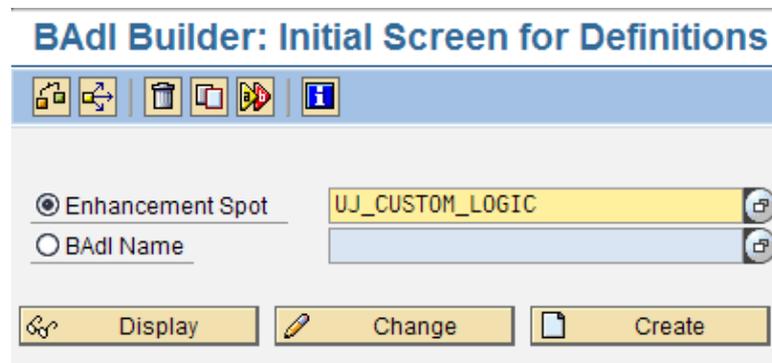
This section describes the process of creating a sample BADI that utilizes the ZUJR_IMPERSONATE class that was imported in section 5.1.

5.2.1 Creating the BADI Implementation

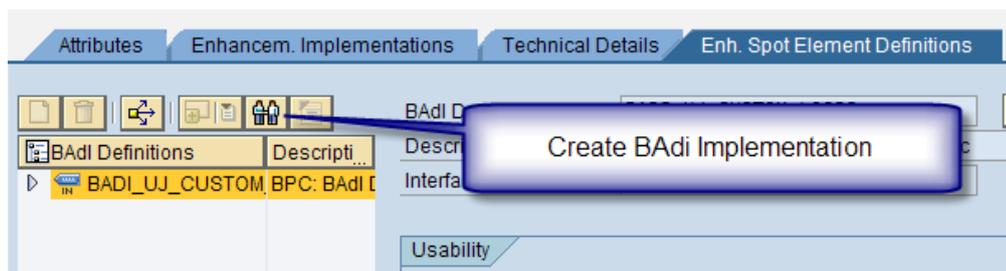
To create the BADI Implementation:

1. Log into SAPGUI for SAP Netweaver BW
2. Go to the BADI Builder (t-code SE18)

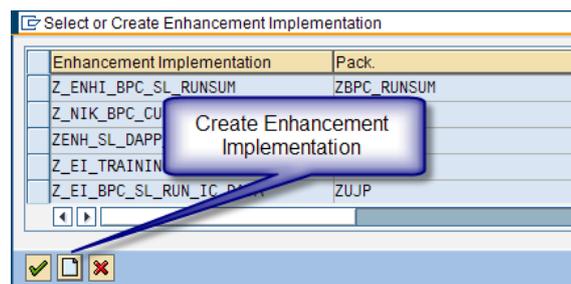
3. Enter UJ_CUSTOM_LOGIC as the Enhancement Spot and click the Display button.



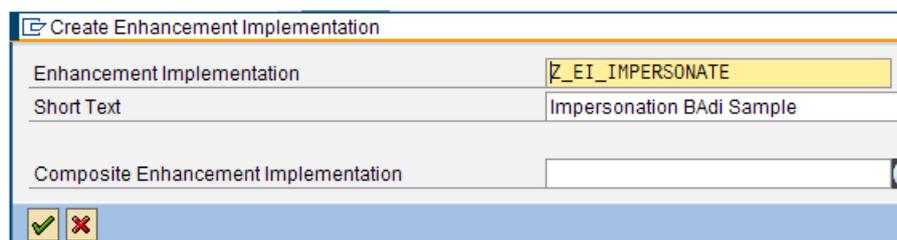
4. Click the Create BADI Implementation Button



5. Click the "Create Enhancement Implementation" button (F8).



6. Enter "Z_EI_IMPERSONATE" as the Enhancement Implementation as well as a descriptive short text, click continue.



7. Select "Local Object" in the "Create Object Directory Entry" dialog.

Object: R3TR ENHO Z_EI_IMPERSONATE

Attributes:

- Package: [Empty]
- Person Responsible: I814959
- Original System: EPM
- Original language: EN English

Buttons: Local Object, Lock Overview, [Close]

8. Select the Z_IE_IMPERSONATE Enhancement Implementation and click continue.

Enhancement Implementation	Pack.	Short Text
Z_EI_TRAINING	\$TMP	Enhancement Implementation
Z_EI_BPC_SL_RUN_IC_DATA	ZUJP	Enhancement Implementation
Z_EI_IMPERSONATE	\$TMP	Impersonation BAdi Sample
Z_EI_BPC_SL_DESTINATION_APP	ZBPC_DAPP	SCRIPT LOGIC: Destination
Z_ENH_REV_SIGN_TEST	Z_UJRS	Test Reverse Sign FM

Buttons: [OK], [Cancel], [Close]

9. Enter the following in the "Create BADI Implementation" dialog, then click continue:

- BADI Implementation: Z_BADI_IMPERSONATE
- Description: Impersonation BADI Sample
- Implementing Class: Z_CL_IMPERSONATE

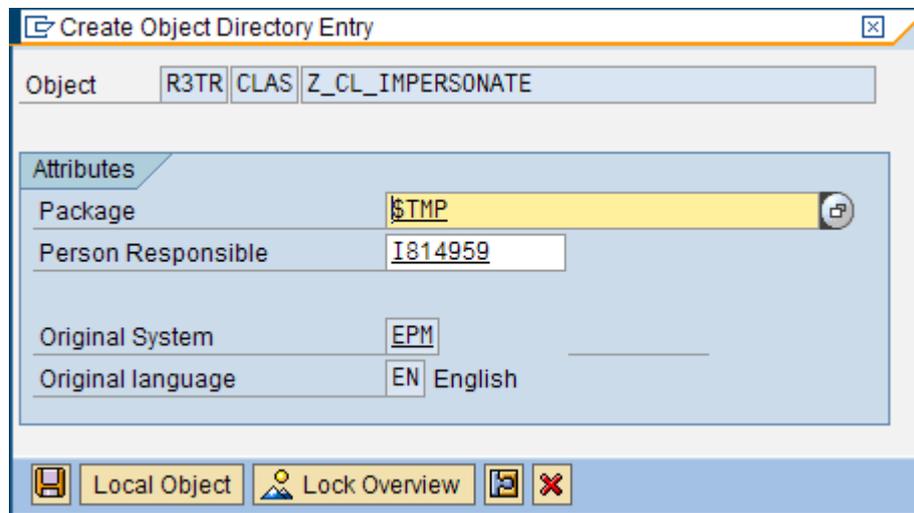
BAdi Implementation: Z_BADI_IMPERSONATE

Description: Impersonation BAdi Sample

Implementing Class: Z_CL_IMPERSONATE

Buttons: [OK], [Cancel]

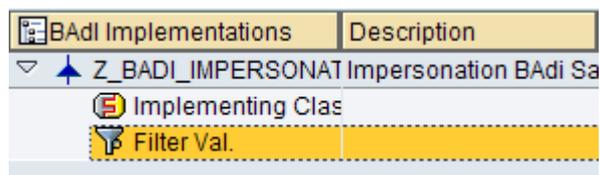
10. Select "Local Object" in the "Create Object Directory Entry" dialog.



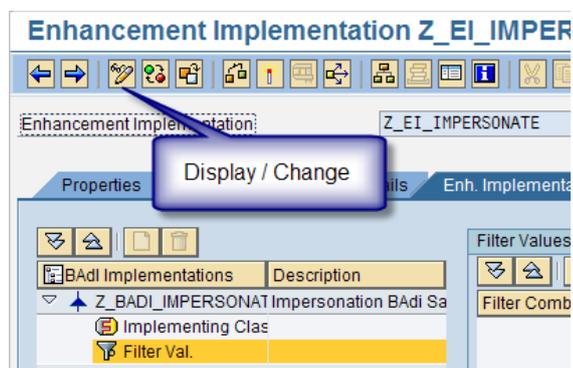
5.2.2 Set the Filter Value

This section continues from where section 5.2.1 leaves off.

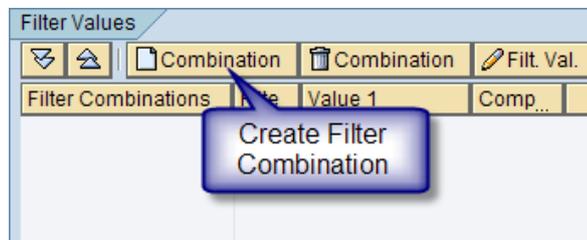
1. Expand the BADI implementation Z_BADI_IMPERSONATE
2. Select Filter Val.



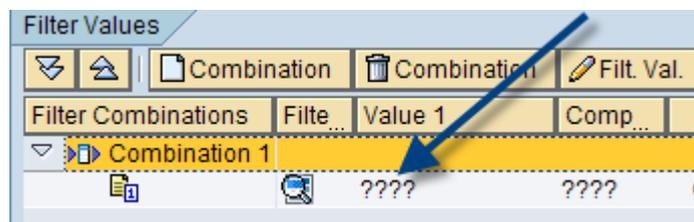
3. Click the Display/Change button.



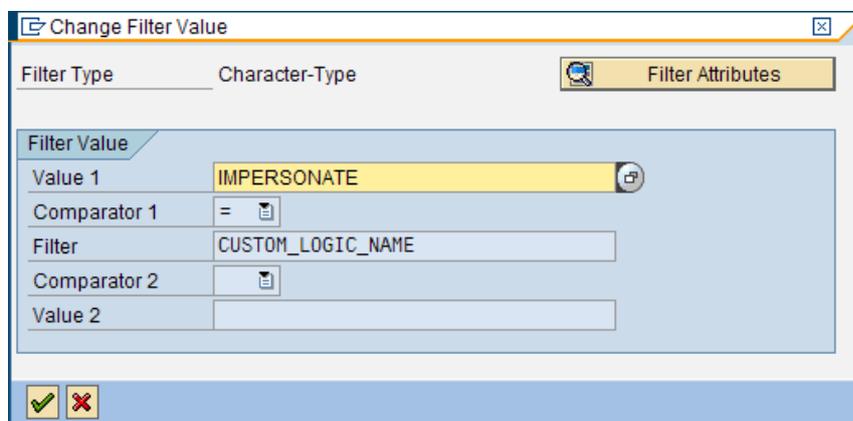
4. Click the "Create Filter Combination" button.



5. Double click on the question marks "???" in the Value1 column.



6. Enter "IMPERSONATE" in the Value 1 textbox and click continue



7. Click the Activate button ().

8. Activate all objects related to the impersonation BADI.

Inactive Objects for I814959

Transportable Objects Local objects

Object name		
D	Object	Obj. name
	ENHO	Z_EI_IMPERSONATE
	CINC	Z_CL_IMPERSONATE=====CCDEF
	CINC	Z_CL_IMPERSONATE=====CCIMP
	CINC	Z_CL_IMPERSONATE=====CCMAC
	CPRI	Z_CL_IMPERSONATE
	CPRO	Z_CL_IMPERSONATE
	CPUB	Z_CL_IMPERSONATE

5.2.3 Implement IF_UJ_CUSTOM_LOGIC~EXECUTE

In this section we will implement the Execute method for our sample BADI. This sample BADI changes the category for records being submitted to FORECAST, then calls the `zujr_impersonate->write_data_as_user` method to write the data back as our impersonated user. This should allow users without access to FORECAST to be able to update records in the FORECAST category through this BADI, but not from an input schedule.

The instructions continue from where section 5.2.2 left off.

1. Expand the BADI implementation Z_BADI_IMPERSONATE
2. Select Implementing Class.
3. Double click on method IF_UJ_CUSTOM_LOGIC~EXECUTE

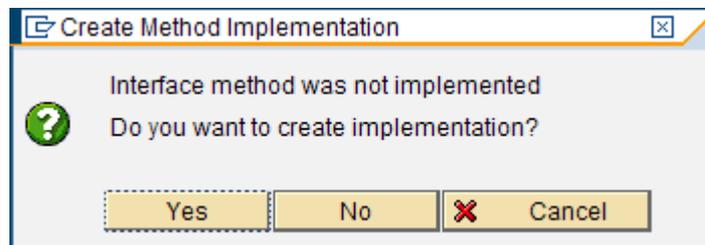
Implementing Class

Interface: IF_UJ_CUSTOM_LOGIC

Implementing Class: Z_CL_IMPERSONATE

Method	Short description
IF_UJ_CUSTOM_LOGIC~EXECUTE	Execute Custom L

4. Select "Yes" in the Create Method Implementation dialog box.



5. Click the Display \leftrightarrow Change button 
6. Copy and paste the following code into the IF_UJ_CUSTOM_LOGIC~EXECUTE method body:

```

method IF_UJ_CUSTOM_LOGIC~EXECUTE.

    constants:
        c_category          type string value 'CATEGORY'. " used to assign the SIGNEDDATA component

    data:
        l_ref               type ref to data, " used to properly assign the attributes to field more complex field symbols
        lr_error            type ref to data,
        lo_impersonate      type ref to ZUJR_IMPERSONATE,
        lo_exception        type ref to cx_static_check,
        lt_message          type ujr0_t_message,
        l_status            type ujr_s_status_records, " used in writeback call
        l_log               type string,
        l_measure           type uj_dim_member.

    FIELD-SYMBOLS:
        <l_category>        type any, " used to hold the category in our example below
        <ls_line>           type any, " represents a line of e_ct_data
        <ls_new_line>       type any, " represents a line of e_ct_data
        <lt_new_data>       type standard table, " Holds the new records
        <lt_error_records> type standard table.

    create data l_ref like line of ct_data.
    assign l_ref->* to <ls_line>.
    assign l_ref->* to <ls_new_line>.

    create data l_ref like ct_data.
    assign l_ref->* to <lt_new_data>.

    create data l_ref like ct_data.
    assign l_ref->* to <lt_error_records>.

    * change CATEGORY to BUDGET (secured) at runtime
    loop at ct_data ASSIGNING <ls_line>.
        move-
        corresponding <ls_line> to <ls_new_line>. " create a new line based on the last line
        assign component c_category of STRUCTURE <ls_new_line> to <l_category>. " get category
        <l_category> = 'FORECAST'.
        collect <ls_new_line> into <lt_new_data>.

```

```

endloop.

create object lo_impersonate.

try.
    lo_impersonate->write_data_as_user(
        exporting
            p_user_id          = 'Domain\User'
            p_appset_id        = i_appset_id
            p_app_id           = i_appl_id
            pt_data             = <lt_new_data>
            p_reverse_sign     = abap_true
        importing
            pt_message         = lt_message
            pt_status          = l_status
            pt_error_records   = <lt_error_records>
    ).
    catch cx_static_check into lo_exception.
        l_log = 'Exception encountered calling lo_impersonate-
>write_data_as_user'.
        cl_ujk_logger=>log( i_object = l_log ).
    endtry.

refresh ct_data.

endmethod.

```

- Change the text 'Domain\User' on line 47 to the username you created in section 4.2 and configured in section 4.4.2.

```

44 | try.
45 |     lo_impersonate->write_data_as_user(
46 |         exporting
47 |             p_user_id      = 'Domain\User'
48 |             p_appset_id    = i_appset_id

```

Example

In my case I changed the p_user_id to 'SAP_ALL\I814959_S'

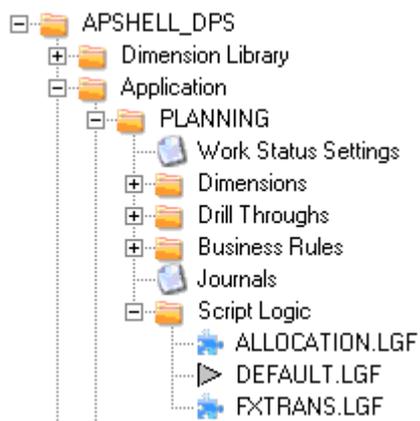
- Click the Save button ()
- Click the Activate button () and activate the updated method.

D	Object	Obj. name
	METH	Z_CL_IMPERSONATE
		IF_UJ_CUSTOM_LOGIC-EXECUTE

5.2.4 Update Default Logic to call the Sample BADI

In this section, we will update default logic to call the sample BADI.

- Log into the application set created in section 4.1 via the BPC_NW Administration client.
- Expand Application -> Planning -> Script Logic and select DEFAULT.LGF.



3. Copy and paste the following script logic into DEFAULT.LGF.

```
// Call sample impersonation BADI
*START_BADI IMPERSONATE
QUERY = ON
WRITE = ON
*END_BADI
```

4. Click Validate and Save in the Action Pane.

Applications

Manage Script Logic

Script Logic Task

Create New Logic

DEFAULT.LGF Task

Validate Only

Validate and Save

Delete Logic

Save Logic

6. Example Execution

In this section, we will review two use cases that demonstrate the behavior of the ZUJR_IMPERSONATE class, as well as our sample BADI.

6.1 Use Case 1

This use-case demonstrates the intended use of this solution by writing data to the ACTUAL category (which the user has access to) via an input schedule, and writing the same records to the FORECAST category (which the user does not have access to).

To execute this use case:

1. Log into BPC for Excel as the user configured in section 4.4.1.

2. Set your current view to the following:

Current View:	
Application:	PLANNING
Category	FORECAST
P_ACCT	CE0001000
P_Activity	Corp_Act
P_CC	US
P_DataSrc	MANUAL
RptCurrency	LC
Time	2009.Q4
MEASURES	PERIODIC

3. Click "Data Input" in the Action Pane.

Getting Started

Available Task Categories

[Reporting & Analysis](#)

[Data Input](#)

[Journals](#)

[Manage Data](#)

[Open System Reports](#)

4. Click "Open a Blank Workbook" in the Action Pane.

Data Input Options

Build New

[Open a blank workbook](#)

[Build a schedule using drag & drop](#)

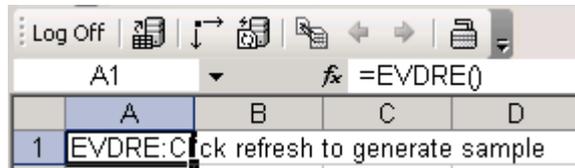
[Build a schedule using a dynamic template](#)

Open Existing

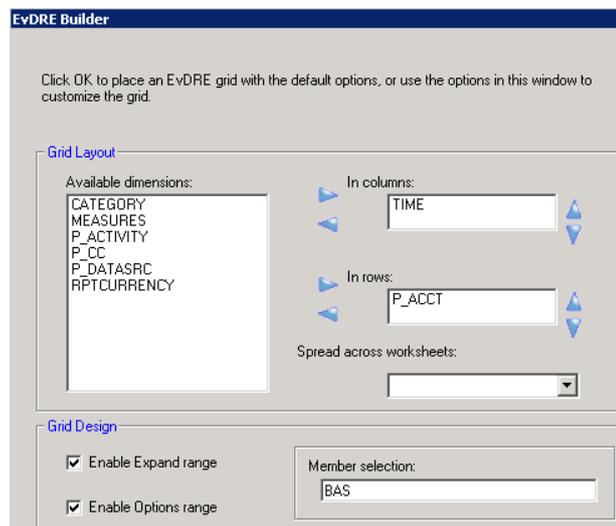
[Open an existing schedule](#)

[Open an existing schedule from My Schedules folder](#)

- Type “=evdre()” in cell A1 and click the Refresh button ().



- Click “Yes” when asked if you want to clear existing input data.
- Add TIME to columns and P_ACCT to rows. Set member selection to “BAS” and click OK.

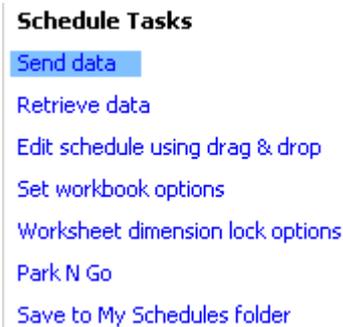


- Enter a value in each Account/Time Period combination.

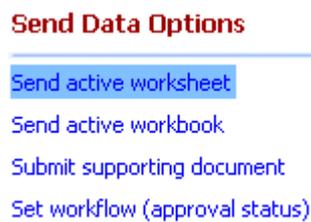
App	PLANNING	Planning Application
CATEGOR	ACTUAL	ACTUAL
MEASURE	PERIODIC	Periodic
P_ACCT	CE0001000	Total Costs
P_ACTIVITY	Corp_Act	Corporate activities
P_CC	US	US
P_DATASRC	MANUAL	Manual Planning
RPTCURR	LC	Local Currency
TIME	2009.Q4	2009.Q4

	2009.OCT	2009.NOV	2009.DEC
CE0004010 Bonus Expense	500.00	500.00	500.00
CE0004020 Wages and Salaries	500.00	500.00	500.00
CE0004030 Social Contributions	500.00	500.00	500.00
CE0004210 Internet Expenses	500.00	500.00	500.00
CE0004220 TV & Radio	500.00	500.00	500.00
CE0004230 Magazines	500.00	500.00	500.00
CE0004510 Cooling (Water) Costs	500.00	500.00	500.00
CE0004520 Heating (Steam) Costs	500.00	500.00	500.00
CE0004530 Machine Repair	500.00	500.00	500.00
CE0004540 Electricity	500.00	500.00	500.00
CE0004610 Operating Supplies	500.00	500.00	500.00
CE0004620 Maintenance Supplies	500.00	500.00	500.00
CE0004810 Depreciations	500.00	500.00	500.00
CE0004820 Building Costs	500.00	500.00	500.00
CE0004830 Consulting Costs	500.00	500.00	500.00
CE0651000 Machine Hours	500.00	500.00	500.00
CE0652000 Labour Hours	500.00	500.00	500.00
CE0653000 Maintenance Hours	500.00	500.00	500.00

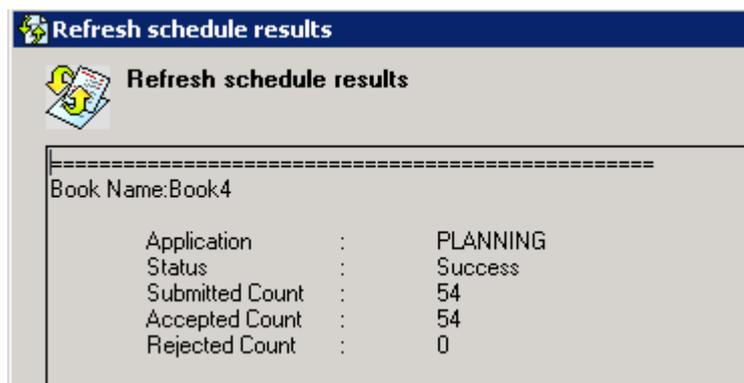
- Click "Send Data" in the Action Pane.



- Click "Send Active Worksheet" in the Action Pane.



- Click "Yes" when asked if you want to send the data records.
- You should receive a success message indicating the records were submitted successfully.



 **Note**

The results will not include details on the success or failure of default logic. You can consult the logs for more detailed information (see section 5.1 for more information).

- Change the current view Category from ACTUAL to FORECAST.

Current View:

Application: PLANNING

Category: FORECAST

P_ACCT: CE0001000

P_Activity: Corp_Act

P_CC: US

P_DataSrc: MANUAL

RptCurrency: LC

Time: 2009.Q4

MEASURES: PERIODIC

- Click the Expand All () button.

- You can verify that all records written to the ACTUAL category were also written to FORECAST.

App	PLANNING	Planning Application
CATEGOR	FORECAST	FORECAST
MEASURE	PERIODIC	Periodic
P_ACCT	CE0001000	Total Costs
P_ACTIVI	Corp_Act	Corporate activities
P_CC	US	US
P_DATAS	MANUAL	Manual Planning
RPTCURR	LC	Local Currency
TIME	2009.Q4	2009.Q4

	2009.OCT	2009.NOV	2009.DEC
CE0004010 Bonus Expense	500.00	500.00	500.00
CE0004020 Wages and Salaries	500.00	500.00	500.00
CE0004030 Social Contributions	500.00	500.00	500.00
CE0004210 Internet Expenses	500.00	500.00	500.00
CE0004220 TV & Radio	500.00	500.00	500.00
CE0004230 Magazines	500.00	500.00	500.00
CE0004510 Cooling (Water) Costs	500.00	500.00	500.00
CE0004520 Heating (Steam) Costs	500.00	500.00	500.00
CE0004530 Machine Repair	500.00	500.00	500.00
CE0004540 Electricity	500.00	500.00	500.00
CE0004610 Operating Supplies	500.00	500.00	500.00
CE0004620 Maintenance Supplies	500.00	500.00	500.00
CE0004810 Depreciations	500.00	500.00	500.00
CE0004820 Building Costs	500.00	500.00	500.00
CE0004830 Consulting Costs	500.00	500.00	500.00
CE0651000 Machine Hours	500.00	500.00	500.00
CE0652000 Labour Hours	500.00	500.00	500.00
CE0653000 Maintenance Hours	500.00	500.00	500.00

6.2 Use Case 2

This use-case demonstrates what happens if a user tries to enter data directly to the FORECAST category.



Note

This use case continues where use case 1 left off.

1. Ensure you are in the same input schedule created in use case 1.
2. Ensure that Category is set to FORECAST in the current view.

Current View:

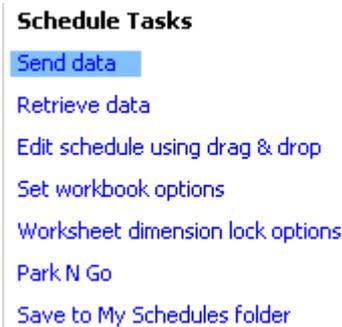
Application:	PLANNING
Category	FORECAST
P_ACCT	CE0001000
P_Activity	Corp_Act
P_CC	US
P_DataSrc	MANUAL
RptCurrency	LC
Time	2009.Q4
MEASURES	PERIODIC

3. Change the data in the input schedule for all account/time combinations.

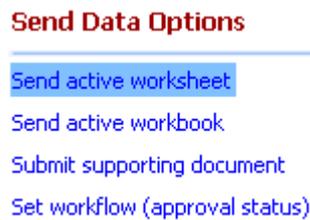
App	PLANNING	Planning Application
CATEGORY	FORECAST	FORECAST
MEASURE	PERIODIC	Periodic
P_ACCT	CE0001000	Total Costs
P_ACTIVITY	Corp_Act	Corporate activities
P_CC	US	US
P_DATASRC	MANUAL	Manual Planning
RPTCURR	LC	Local Currency
TIME	2009.Q4	2009.Q4

	2009.OCT	2009.NOV	2009.DEC
CE0004010 Bonus Expense	1.00	1.00	1.00
CE0004020 Wages and Salaries	1.00	1.00	1.00
CE0004030 Social Contributions	1.00	1.00	1.00
CE0004210 Internet Expenses	1.00	1.00	1.00
CE0004220 TV & Radio	1.00	1.00	1.00
CE0004230 Magazines	1.00	1.00	1.00
CE0004510 Cooling (Water) Costs	1.00	1.00	1.00
CE0004520 Heating (Steam) Costs	1.00	1.00	1.00
CE0004530 Machine Repair	1.00	1.00	1.00
CE0004540 Electricity	1.00	1.00	1.00
CE0004610 Operating Supplies	1.00	1.00	1.00
CE0004620 Maintenance Supplies	1.00	1.00	1.00
CE0004810 Depreciations	1.00	1.00	1.00
CE0004820 Building Costs	1.00	1.00	1.00
CE0004830 Consulting Costs	1.00	1.00	1.00
CE0651000 Machine Hours	1.00	1.00	1.00
CE0652000 Labour Hours	1.00	1.00	1.00
CE0653000 Maintenance Hours	1.00	1.00	1.00

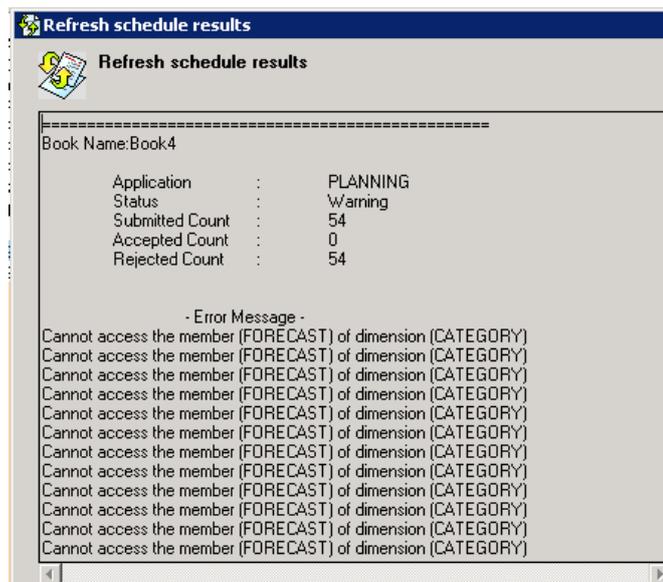
- Click "Send Data" in the Action Pane.



- Click "Send Active Worksheet" in the Action Pane.



- Click "Yes" when asked if you want to send the data records.
- You will receive error messages stating that you cannot write records to the FORECAST member in the Category dimension. All records will be rejected.



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