How To...
Automate BPC 7.0, version for the NetWeaver Platform
Master Data Loads from BW to BPC

Version 1.50 – June 2009

Applicable Releases:
SAP NetWeaver 7.01 SPS 00 and above
SAP BusinessObject Planning and Consolidation 7.0 SP02 and above, version for NetWeaver Platform
SAP BusinessObject Planning and Consolidation .NET Front-end 7.0 SP02 Patch 1 and above, version for NetWeaver Platform
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1 (Business) Scenario

You have made the decision to install Business Planning and Consolidations 7.0, version for the NetWeaver Platform. The business users within your organization would like the CostCenter Dimension Member data refreshed on a nightly basis.

We will show two different technical way of implementing this. Scenario 1 first downloads the BW data to a flat file in the server and then uses BPC DM manager packages to load the data into BPC dimension. Scenario 2 directly loads the data to BPC dimension through BW Transformation and an ABAP program is executed to do BPC specific steps on the BPC dimension. ABAP program also reads BW Hierarchies and loads to BPC after translation for intervals and text nodes. Text nodes are stored as new member with no attribute values filled.

Depending upon your business requirement, you will have to determine which solution needs to be implemented. Scenario 1 will be suitable for user driven planning processes. In this case, IT will extract the data out in the application server. Business users can load these files to their application as necessary. Scenario 2 will be suitable for IT driven planning process where IT is responsible to sync up BPC dimension members with ERP master data.

2 Installation

The installation includes importing a transport as well as creating a new data manager package for master data import.

2.1 Import Transport

1. Go to transaction STMS to import the attached transport.

NOTE: Latest version is PMRK900733

<table>
<thead>
<tr>
<th>Number</th>
<th>Request</th>
<th>RG</th>
<th>Owner</th>
<th>Short Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PMRK900594</td>
<td>A1822146</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.2 Create a Data Manager Package to load from Application Server
1. Login to BPC for Excel.

2. Click on Manage Data.
3. Choose "Maintain data management".

4. Click "Manage packages (organize list)".

5. Right Click in the open area under Package Names and select the the option from the context menu Add Package.
6. Click on the drop down to select a process chain.

7. Provided transport would have imported "Z_IMPORT_MASTER_DATA_LOAD" process chain in your system. Choose this process chain.
   
   Click the Select Button.

8. Populate the Package prompts with the requested information.

   In this case, the package name is "Import_How_To_MD_Automation" and the description is "Import for How to Guide on Master Data Automation".
   
   Click Add and then Save.
9. Click on “Manager Packages (organize list)”.

10. Choose the package which we created earlier and click on Modify Package.

11. Click on View Package.
12. Click on Advanced.

13. Maintain dynamic script and click OK. Sample Dynamic script is provided in the Appendix C.

14. Press Save.
15. Press Save again.

16. Press Save again. Click OK.

3 Scenario 1

3.1 Implementation

Within BPC 7.0, version for the NetWeaver platform there is a single delivered Data Manager package to load Master Data: **Import Master Data**.

This package can only load master data from a flat file. Also, as of SP02, this package only supports overwrite mode, not update mode.

The package that was created in the installation section of this document is a package to upload master data, but this package supports both overwrite and update mode. This how-to guide will utilize this new package in order to allow master data automation to utilize update mode.
Based on idea that this delivered package only supports loading dimension members from a flat file, we created a methodology in order to automate the loading of master data on a regular time schedule into BPC NW Dimensions.

The data flow is as described below:

**BW InfoObject → via Open Hub → Flat File → via Data Manager Package → BPC Dimension**

There are a few things to note when loading into a BPC Dimension.
1) BPC Dimensions do not support compounding and the key is always ID
2) BPC Hierarchies do not support Text based nodes or Intervals
3) BPC MD Loads occur in one load whereas BW Loads are broken up into 3 pieces:
   a. Attributes
   b. Texts
   c. Hierarchies

In order to account for the above we will need to export our flat file in a format similar to the following column structure:

<table>
<thead>
<tr>
<th>ID (Key)</th>
<th>Attribute 1</th>
<th>Attribute 2</th>
<th>EVDESCRIPTION (Text Field)</th>
<th>PARENTH1 (Hierarchy)</th>
<th>PARENTH2 (Hierarchy)</th>
</tr>
</thead>
</table>

This How-To Guide will describe how to achieve the above automation. Specifically the guide will describe how to create a flat file on a BW application server with the above format and then load that flat file into a BPC Dimension using the standard Data Manager Package.
3.2 Scenario 1 Step By Step Solution

This Scenario will demonstrate how to export cost center master data into a flat file and then load that flat file into a BPC dimension. The scenario will also describe how to create an all encompassing NetWeaver BW Process Chain to perform this load on a regular basis.

3.2.1 Verify data exists for your CostCenter InfoObject

1. Navigate to RSA1 and identify the master data infoObject you want to leverage as the source for your BPC NW Dimension.

2. Check that data, both Attribute and Text data as well as hierarchies, exist and are loaded within your NetWeaver BW system.
2.2.2 Create Open Hub Destination

1. Create an open hub destination from the Data Warehousing workbench. Make sure to specify the Template type as InfoObject, use your infoObject for Costcenter and specify the Subobj Type as Attributes.

   The last configuration step is important this solution can only be leveraged off

2. Make sure that the Open Hub Destination has a Destination Type of File and that it is setup to export to a location that has the appropriate permissions set on it so that the BPC Data Manager can access it.

   Contact your BASIS Administrator for details.

3. Under the Field Definition tab, specify all of the desired attributes you wish to load into BPC. Along with the desired attributes specify the following additional fields:
   - **ID** – This will replace the entry for Cost Center
   - **EVDESCRIPTION** – This will hold your text field that you wish to map to BPC
   - **PARENTHn** – This is the column representation for your BPC Hierarchies. You can have 0 or more hierarchies in a BPC Dimension. For example,
PARENTH1 is representative of your first hierarchy in ZCOSTCTR.

Save and activate the newly created open hub destination

3.2.3 Create Transformation for Open Hub Destination

1. Create a Transformation from the ZCOSTCTR infoObject and map it to the newly created Open Hub Destination.

NOTE:

In order for the following steps to work appropriately your BASIS administrator will have needed to import the Package attached to this How-To Guide.

See Appendix A for details.

2. Hit the button to Create a new Start Routine.

3. Enter the following code into your start routine. Then save and activate the start routine.

PUT THIS IN THE GLOBALS SECTION:

data:
  gr_md_automation type ref to 
zcl_bpc_md_automation.

PUT THIS IN THE START ROUTINE METHOD:
create object gr_md_automation
exporting
  ir_request = p_r_request.

call method gr_md_automation->start_routine(
  changing source_package = source_package
  c_monitor = monitor ).

4. Next create a transformation rule for your ID target field. To do this you need to first map all of the keys from your source to your target field, ID.

5. Next step is to drill into the rule details of ID. To do this click on ID and right click. Select the option: Rule Details. A popup will appear. In this popup please select Routine as the Rule Type and an ABAP editor will appear.
6. Enter the following code into the ID routine.

```plaintext
call method gr_md_automation->id(
  exporting source_fields = source_fields
  importing result = result
  changing c_monitor = monitor_rec ) ;
```

Save your routine and hit the Transfer Values button.

7. We now need to populate the EVDESCRIPTION, PARENTH1 and PARENTH2 fields. In order to export texts and hierarchies.

First select EVDESCRIPTION, right click on the rule and click rule details.

8. Select Routine as the Rule Type and click the Continue button when you receive the prompt.
9. In the Rule Details ABAP editor screen set RESULT = SPACE and hit the save button. The exact syntax is:
   
   Result = space.

10. This step is very important. In the Rule Details POPUP you need to enter a description. Enter one of the three following values based on what text field you wish to map to EVDESCRIPTION:
    - SHORT
    - MEDIUM
    - LONG

    When you have chosen an appropriate value above hit the Transfer Values button.

11. Select PARENTH1, right click and select Rule Details.
12. Select Routine as the Rule type.


   Set RESULT = space. The exact syntax is below:

   \[ \text{RESULT} = \text{Space}. \]

   Save your routine.

14. This is a very important step. You should now see a Rule Details prompt where you have a Description field to populate. Populate this field with the TECHNICAL NAME of the sap hierarchy you wish to load.

   When you have entered a valid technical name of a hierarchy associated with your source infoObject click Transfer Values.

   NOTE: To determine this name navigate to transaction RSD1. Specify your infoObject and hit display. Choose the hierarchy tab. Select Maintain Hierarchies and you will see the list of available hierarchies for your source infoObject.
15. Repeat steps 11 - 14 for all additional hierarchies you wish to map to your BPC NW Dimension.

For the purposes of this how-to guide, we will map one additional hierarchy PARENTH2.

NOTE: Intervals and Text nodes are handled in the following manner. Intervals are expanded and all valid master data values are populated in the export file. Text nodes are converted into values to be used as nodes in BPC. Time dependency, values whose DATETO is set to 12/31/9999 will always be retrieved. This will potentially change in a future version of this how-to guide.

16. Next step is to create an end routine. Hit the create end routine button.

17. Populate the end routine with the following code:

```plaintext
call method gr_md_automation->end_routine( 
    changing result_package = RESULT_PACKAGE 
    c_monitor = MONITOR ).
```

18. If your mappings have been completed and you have entered the code as specified above, save and activate your transformation.

3.2.4 Create Data Transfer Process for Open Hub Destination
1. Right Click on the Open Hub Destination created in the previous step. Select Create Data Transfer Process from the Context Menu

2. Select the infoObject source correctly and specify the Subtype of Object to be Attributes.

3. Activate your Data Transfer Process

3.2.5 Create BPC Transformation File

1. Login to BPC for Excel.
2. Click on Manage Data.

3. Choose “Maintain transformations”.
4. Choose "Create new transformation"  

5. Populate the transformation file based on the output format of the file. If you are confused as to the structure the file will have. Run the DTP once and a supplemental file along with your data file will be exported with the prefix s_. This file will contain the schema and column mapping you can use to create your Transformation file.

7. Within BPC, click "Manage Data".

8. Click "Run a data management package".
9. Select the Import package created and click the Run button.

10. Populate the data manager package with:
   1) The Import File which is what we export via the Open Hub Destination
   2) The Transformation File we created
   3) The name of the Dimension we are loading
   4) The method for loading master data
   Once completed click the finish button.

11. Check the status of the load and make sure that it completed successfully.
12. You can select the details button to see the logs for the Data Manager load.

13. Verify that the data load worked successfully from the BPC for Excel Frontend.
   1) Log out of BPC 4 Excel.
   2) Log back into BPC 4 Excel
   3) Verify the Cost Center Hierarchies appear correctly
3.2.6 Setup the Master Data Automation

In order for a BW Administrator to automate this whole process there are a couple of additional steps that need to take place. Steps 3.1 → 3.5 layout the individual tasks required to load a BPC NW Dimension however now we need to be able to wrap that up into a single executable that a BW Admin can run in batch.

1. Navigate to se38 and run the program UJD_TEST_PACKAGE.

2. Populate the screens values with the appropriate information.
3. Populating the AnswerPrompt input field is a bit trickier. In order to do this correctly we will open up notepad from our Desktop.

In this notepad file we will map the values that the end users will enter into the Data Manager PROMPT variables represented in the Data Manager package UI to the actual variable names.

To determine the variable names you will need to examine the contents of the Data Manager Package (Steps 4 – 7)

4. From BPC for Excel choose the Manage Data option from the BPC Action Pane. Next select the Maintain data management option from the action pane.

Once there select the Manage Packages (organize list)

5. Right click on your data manager package and select modify package.
6. From the Modify Package screen, click on the Details button.

7. From the Data Manager Package view expand the Dynamic Package Script node on the left side of the screen and select the PROMPT option.

   The Prompts should then be displayed within the UI screen.

   The displayed VariableName's are what is needed within the notepad in step 3.

8. Continuing from step 3 we need to populate a notepad file with variable to value mappings. Each variable should be listed within the notepad. The value you map to that variable needs to be listed on the same line however a **TAB** needs to separate the variable and the value. A newline is required in between each variable to value mapping.

   We are creating a file that is representative of what an end user would input.

   Save the file to your desktop (or a location of your choice).
9. We can now complete the population of our screen from step 2 (from transaction se38). Select the drop down on the right hand side of the input field following AnswerPrompt.

10. Choose the file we just saved from either your desktop or whatever location you saved it to. This will automatically populate the AnswerPrompt field with the correct values to run your data manager package.

11. Click on the save button and save a variant.

12. Navigate to transaction RSPC and from the Create a new Process Chain
13. Add all of the BW specific objects to the process chain to load ZCOSTCTR. The data flow should look similar to the screenshot.

14. To add the execution of the BPC Data manager package to this Process chain add a process type of type ABAP program to the Process Chain. To do this drag and drop the ABAP program process type into your Process Chain.
15. Insert the UJD_TEST_PACKAGE program and click the Create New Variant button.

16. Give the new variant a description.

17. Enter the UJD_TEST_PACKAGE, program and the Program Variant HOWTO. Hit the save button.
18. The process chain is now complete and this can be executed to load cost center master data from ERP all the way into BPC on a schedule leveraging standard process chain scheduling.
4 Scenario 2

4.1 Implementation
If a customer has already implemented BW or implementing BPC along with BW, normally master data from OLTP system (ERP, etc) is loaded first to BW master data. This is typically done through BW Process Chain. Loading BPC Dimension through transformation is straight forward for BW Customers. However, BPC does more than just loading data into dimension. In order to support other BPC functionality, a few hidden properties are created and maintained for BPC dimensions in NW Layer. Also, server cache files need to be updated. Also, in case of Hierarchies, BPC does not support intervals and text nodes. In this scenario, we will describe how these BPC specific processes can be triggered from BW ETL.

We will use the same source info object ZCOSTCTR shown in Scenario 1. However, we will load to different BPC Dimension (COSTCENTER).

4.2 Scenario 2 Restriction
- The provided program (ZUJA_UPDATE_BPC_DIM) will support only one language update at a time. Program picks up the logged in user’s language.
- ABAP program is coded to support maximum of 10 hierarchies per info object/dimension. While more than 10 hierarchy in a single info object/dimension is not usual, if you have this scenario, you will have to modify the ABAP program to include additional hierarchies.
- As BPC does not support compounding, the compounded characteristics, if they exist, are concatenated at the beginning of BPC dimension members.
- As BPC does not support time dependency attribute and hierarchy, only values which have 12/31/9999 as date to are picked for BPC load.
- You will need to implement SAP BPC SP02 Patch 1 both in .NET Server and PC before you can implement Scenario 2.
- Pre-requisite Notes:
  - 1289250

4.3 Scenario 2 Step-by-step solution
The following steps describe loading data from BW Info object to BPC Dimension:
1. Ensure that an existing BW Process Chain and transformations/DTP from OLTP to BW Info Object which already loads master data into the BW InfoObject already exist.
2. Create BW transformation & DTP from BW Info Object to BPC Dimension.
3. Create an ABAP program variant to acquire a lock for the BPC dimension. This program is required for below reasons:
   - BPC caches the dimension property values in the server. Before updating new values, exciting values needs to be invalidated to avoid any inconsistency.
   - When the ETL is being run, we want to make sure no users are processing the dimension. Otherwise, batch process and users will try updating the sheet at the same time resulting in inconsistency.
   - Just to make sure, we will acquire the lock at the beginning of the process chain. You do have option to move this step after BW Info Object in process chain,
depending upon your business process timing. However, it’s better to have the lock set at the beginning of process chain.

4. Create an ABAP Program variant to do the BPC Specific steps.
5. Incorporate DTP and ABAP program in the BW Process Chain.

4.3.1 Prepare Transformation and DTP

1. Login to NW layer from SAP Logon pad.

2. Go to RSA1.
3. Locate your BW Info object. Here, we are going to use ZCOSTCTR. This BW Info object already has Transformations/DTPs from an ERP.

4. Make sure you have process chain for those Info packages and DTPs.
5. Now, we will create BPC Dimension to load this BW Cost Center data. Log in BPC admin client.

6. Navigate to Dimension Library in BPC Admin Client.

7. Click on Add a new dimension.
8. Enter Dimension name and description. Then, click on “Go to Step 2 of 3” in the bottom.

9. Choose your Dimension Type and click on “Go to Step 3 of 3”.

10. Add required properties.
11. Then, click on “Add a New Dimension”.

12. Make sure to get the successful message. Then, click OK.

13. Now, go back to ABAP Layer, transaction RSA1 to locate your AppSet and newly created dimension (/CPMB/*/ Info Object).
14. Expand this object by clicking on the arrow on the left.

15. Right click on COSTCENTER (Attribute). Then, click on “Create Transformation”.

16. A pop up will be prompted to choose the source for transformation.
17. Choose “InfoObject” as Object Type, “Attributes” as Subtype of Object, type “ZCOSTCTR” as Name. Click OK.

18. Now, system will take you to transformation mapping screen where you can configure the mapping and write ABAP codes for additional rules.

19. Cost center has time dependent attributes. BPC does not support time dependency. Here, we will load only current records, meaning records which has date to as 12/31/9999. To do this, we will write a start routine to delete the older attributes. Click on Start Routine button.
20. Declare the object in global part as shown.

```
data:
  gr_md_automation type ref to zcl_bpc_md_automation.
```

21. Instantiate the object and call drop_old_rec method as shown. This method drops all the record which does not have date to as 12/31/9999. If source info object does not have any time dependent attribute, does not drop any records.

```
call object gr_md_automation
  exporting
    ir_request = p_r_request.

call method gr_md_automation->drop_old_rec
  changing source_package = source_package
  c_monitor = monitor.
```

22. Press Save to save the code and go back.
23. Create mapping for individual fields by dragging the source field from the left to target field on the right.

24. BPC does not support compounding or time dependency. There are multiple designs to work around this restriction and you will have to decide based on your business requirement. Here, we will concatenate Controlling Area, Cost Center & Date To and store as BPC Cost Center. This should not be considered best practice, but, just one way of loading & storing data in BPC. To do this, right click on Cost Center on the right hand side. Click on “Rule Details”

25. Click on to add Controlling Area as additional Source.
26. Choose 0CO_AREA, 0DATETO and click OK.

27. Change the Rule Type to Routine.
28. Paste the codes in the routine section of the code.

```plaintext
call method gr_md_automation->id(
exporting source_fields = source_fields
importing result = result
changing c_monitor = monitor_rec ).
```

29. Click Save.
30. Then, click on Transfer Values.

31. Save your work if you have not done already.

32. For Scaling Property, we will hard code as ‘Y’ for all cost centers. Right click on Scaling to go to Rule Details.
33. Choose “Constant”.

34. Enter Y. Click on Transfer Values.

35. Now, activate the transformation by clicking on 1.
36. Once successfully activate, go back.

37. Now, we will create DTP to trigger the loading. Right click on Data Transfer Process folder. Then, Click on Create Data Transfer Process.

38. If details are not filled in already, provide description. Then, click on first input help button ( ).
39. Choose the source info object and click OK.

40. Click OK.

41. Activate the DTP by click on it.
42. Click back.

43. Now, we will create transformation to load description of Cost Center. Right click on COSTCENTER (Texts) and click on Create Transformation.

44. Choose the source object type as "Info Object", subtype as "Texts" and type in "ZCOSTCTR" for Name. Click OK.
45. Click on Start Routine.

46. Define the object in global section as shown.

```plaintext
data:
  gr_md_automation type ref to zcl_bpc_md_automation.
```

47. Instanciate the method and call drop_old_rec method as shown.

```plaintext
create object gr_md_automation
  exporting
    ir_request = p_r_request.

CALL METHOD gr_md_automation->drop_old_rec(
  CHANGING source_package = source_package
  c_monitor = monitor).
```
48. Click Save.

49. Now, Create the necessary mapping.

50. Just like attribute, we will have to concatenate Cost Center and Controlling area to work around compounding restriction.
51. Right click on Cost Center and click on Rule Details.

52. Click on Add Source Fields to include Controlling Area as source.

53. Choose 0CO_AREA & 0DATETO and click OK.
54. Choose Routine for Rule Type.

55. Code to call the ID method as shown in the Routine section.

```plaintext
call method gr_md_automation->id(
    exporting source_fields = source_fields
    importing result = result
    changing c_monitor = monitor_rec).
```

56. Click Save.
57. Click on Transfer Values.

58. Activate the transformation by click on

59. After successful activation, go back.
60. Now, we will create DTP for text transformation. Right click on Data Transfer Processes folder and then, click on Create Data Transfer process.

61. If no values are filled, provide DTP description. Then, click on the first Inpt Help button.

62. Choose the text info object.
63. Click OK

64. Activate the DTP.

65. After successful activation, go back.

4.3.2 Create ABAP program variants
1. Go to transaction se38.

2. Make sure the attached transport is imported. Enter program name as ZUJA_UPDATE_BPC_DIM_LOCK and click execute ( ).

3. Enter the AppSet, User id and BPC dimensions which you will be loading.
4. You can provide multiple BPC dimensions by click on [ ]. Even though pop up has Ranges and exclusion, program supports only multiple single values.

5. Click Save.

6. Provide Variant name and description and click save. Then, go back.
7. Go back again.
   Follow the above steps and save a variant for unlocking as well.

8. Now, we will set up similar variant for the second program. Change the program value to ZUJA_UPDATE_BPC_DIM. Click Execute.

10. Now, selection brings back the BW hierarchies attached to BW info object entered. Note that the screen and program is designed to read only maximum of 10 hierarchies. Choose the hierarchies you want to load to BPC and provide BPC hierarchy names. The BPC hierarchy names can be only between H1 and H10.

11. Select the BW Hierarchies and enter BPC hierarchy names. Press save button to save the variant.

12. Provide name and meaning. Press Save again and go back.
4.3.3 Attach DTPs and ABAP programs in the process chain.

1. Go to transaction RSPC.

2. Locate the process chain and click on Change (2). This process currently loads the data from ERP up to BW info object.
3. Remove the link between Start process and first info package.

4. Click on Process Types in left hand side to change the view to process types.
5. Expand General Services and drag & drop ABAP Program to the right.

6. Click on Create button.

7. Provide Process Variant name and description. Click OK.
8. Provide Lock program name and variant name. Click Save. Then go back.

9. Click OK.

10. Link Start variant with this Program step.
11. Then, Connect this program step with the infopackage loading step.

12. We will now add the DTPs which loads BPC dimension.

13. Drag the DTP process type from left to right.
14. Click on input help (9).

15. Locate the attribute DTP and click OK.
16. We will execute this DTP after Text load of BW info object. Link corresponding text load DTP with BPC dimension load DTP.

17. Choose Successful.
18. Now, we will include the Text load to BPC Dimension.

19. Drag and drop the DTP process type.

20. Click on input help.
21. Locate the text load DTP we created and click OK.

22. Click OK.

23. Link the attribute BPC dimension load DTP with this text load DTP.
24. Choose successful.

25. Now, we will add post BW ETL program to carry out BPC specific dimensions.

26. Drag and drop the ABAP program to right.
27. click on Create.

28. Provide name and description.

29. Provide Program name as ZUJA_UPDATE_BPC_DIM and your variant name. Click Save and go back.
30. Click OK.

31. Link this step with Text BPC Dimension Load DTP

32. Choose successful.
33. Drag & drop ABAP Program to the right.

34. Click on Create button.

35. Provide Process Variant name and description. Click OK.
36. Provide Lock program name and variant name to unlock. Click Save. Then go back.

37. Click OK.

38. Activate the process chain.
39. Now data can be loaded and verified.
40. After successful loading, you will see CALC and HIR properties are filled even though no transformation is created for them.

41. You will also see text nodes updated as members and intervals expanded in BPC hierarchy.
4.4 Scenario 2 Troubleshooting

- When ETL fails in the middle of locking program for list of dimensions, use the same program and same selections and unlock option to remove the locks. Otherwise, nobody will be able to edit the member sheet.
- Make sure you provide same user id in selection screen for both the program.
- Read the restriction section one more time to check whether your issue is related to any of the restriction mentioned.
- If you know ABAP debugging, debug the program.
- If you find a bug in the programs or need additional info, please post it in SDN Forum under thread “BPC NW - Questions on How to Automate Master Data Loads” within EPM. Either one of us or community members will respond to them.

5 Appendix A – Transports Included with How-To Guide

This How-To Guide has a transport associated with it. Send the transports to your organizations BASIS administrator and have he/she import the transport into the system where you want to implement the How-To Guide solution.

This transport contains a series of objects:

- ZCL_BPC_MD_AUTOMATION - Class Utility to Aid in the Loading of BPC Master Data
- ZMC_BPC_MDA - BPC Master Data Automation Message Class
- Z_BPC_MD_AUTOMATION - EPM RIG: BPC Master Data Automation
- ZUJA_UPDATE_BPC_DIM_LOCK – Program to add lock, Used in Scenario 2.
- ZUJA_UPDATE_BPC_DIM – Program to do BPC specific steps after BW load, used in Scenario 2.

After your BASIS Administrator successfully loads this transport into your system verify that the objects exist.

6 Appendix B – Messages in Transformation

The Custom class leveraged to flatten out BW master data for upload into BPC contains a series of informational as well as error messages.

If an error occurs please review the logs and you will find a list of messages that can aid in troubleshooting as well as provide detail on the status of a given load.
7 Appendix C – Scenario 1 Sample Data Manager
Dynamic Script

PROMPT(INFILES,%FILE%,"Import file:")
PROMPT(TRANSFORMATION,%TRANSFORMATION%,"Transformation Error! Hyperlink reference not valid.")
PROMPT(DIMENSIONNAME,%DIMNAME%,"Dimension name:",&%DIMS%)
PROMPT(RADIOBUTTON,%UPDATE%,"Select the method for loading Master Data","0","Update","0","1")
INFO(%TEMPNO1%,%INCREASENO%)
INFO(%TEMPNO2%,%INCREASENO%)
TASK(/CPMB/MASTER_CONVERT,OUTPUTNO,%TEMPNO1%)
TASK(/CPMB/MASTER_CONVERT,FORMULA_FILE_NO,%TEMPNO2%)
TASK(/CPMB/MASTER_CONVERT,TRANSFORMATIONFILEPATH,%TRANSFORMATION%)
TASK(/CPMB/MASTER_CONVERT,SUSER,%USER%)
TASK(/CPMB/MASTER_CONVERT,SAPPSET,%APPSET%)
TASK(/CPMB/MASTER_CONVERT,SAPP,%APP%)
TASK(/CPMB/MASTER_CONVERT,FILE,%FILE%)
TASK(/CPMB/MASTER_CONVERT,DIMNAME,%DIMNAME%)
TASK(Z_MASTER_DATA_LOAD,INPUTNO,%TEMPNO1%)
TASK(Z_MASTER_DATA_LOAD,FORMULA_FILE_NO,%TEMPNO2%)
TASK(Z_MASTER_DATA_LOAD,DIMNAME,%DIMNAME%)
TASK(Z_MASTER_DATA_LOAD,UPDATE,%UPDATE%)

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