Symptom

BPC transport errors are quite common. Incorrect settings and known bugs in the API may generate inconsistent behaviors in both BW and BPC transport features. This will in most of the cases generate an error such as:

- Errors occurred during post-handling UJT_AFTER_IMPORT for Axxx
  - UJT_AFTER_IMPORT belongs to package UJT
    The errors affect the following components:
      EPM-BPC-NW-TRA (Transport)
  - RS_AFTER_IMPORT belongs to package RSO_TLOGO
    The errors affect the following components:
      BW-WHM-MTD (Metadata (Repository))
- Error occurred while importing
- System exception: System exception:
  You are not authorized to change value: object UJ_DATA...
  You are not authorized to import content...

Although informative of a problem while activating BW or BPC content, this error message isn't exactly meaningful from the BPC perspective, making investigation often difficult.

This document presents some configuration checkpoints and common errors which addresses the majority of BPC transport issues.

Environment

- SAP Business Planing and Consolidation 10 version for Netweaver.
- SAP Business Planing and Consolidation 10.1 version for Netweaver.

Reproducing the Issue

- Collecting and releaseing BPC transport requests.
- Importing BPC transport requests.

Resolution

1) Review the RFC connections.
There are two RFCs involved in the BPC import process: the BW RFC, and the BPC specific RFC.

    a. The import process needs first the BW RFC destination to be set: Check table RSADMINA, field TPBWMANDTRFC, or T-code RSTPRFC.
    The ABAP connection configured as RFC destination must: (1) point to BW client, (2) point to the own server, (3) have a user with necessary roles.
    The user assigned to BW RFC must be a BW Background user. (Explained below).

    b. If the after-import method is working as expected in BW, the BPC RFC is called.
    BPC RFC is maintained under global parameters (SPRO), or through UJ0_PARAM table -- parameter RFC_DESTINATION.
    BPC RFC Connection must also point to BW client and the own server.
    BPC RFC connection must be assigned to a BPC Service user.

* Note: this is a old design, but still in use in some earlier BPC 10 versions. Currently, the whole import and activation is done by the user assigned to the BW RFC.

2) Check the authorization structure:
The authorizations for each user must be properly assigned and the roles and profiles activated/compared.

    a. BW background user depends on two minimum authorization profiles: S_BI-WHM_RFC, S_BI-WX_RFC, and SAP_BPC_SERVICE. (According to Note 1727052).
    In case the user lacks these profiles, an equivalent role/profile with the exact same authorizations must be assigned.

    b. The user assigned under the BPC RFC destination must have the delivered BPC role: SAP_BPC_SERVICE.
    This role must be activated under PFCG, and the user comparison executed.
    Although not recommended, this role may be copied into a customized role, but must be an exact copy of the authorizations provided under SAP_BPC_SERVICE.
    The customized role must be properly activated, compared, and assigned to the user under BPC RFC destination (preferably BPC_SERVICE user).

    * Note: make sure the password saved for both RFC connections (under Logon & Security, Logon Procedure) are neither initial or don't match what is defined for the user - refer to 1816926.

    ** Note: If you are seeing issues in the transport logs such as "You are not authorized to modify/activate (object name)", there might be a problem with the SAP_BPC_SERVICE role assigned to the user assigned under the BW RFC. Run an authorization trace to check if there

is any authorization object missing.

** Note: Although with very similar authorization structure, the separate users through separate RFCs are a way to control and track in the system which modifications have been done through transport requests and which have been done through standard BPC Administration.

3) System block for transport modifications (Not relevant for Import, only collection and export of requests).

a. SCC4 settings are not relevant for the transport import process, but affect the request collection under RSA1.
Make sure the Changes and Transport for Client-Specific Objects are set to "Automatic recording of changes".
Make sure "Cross-Client Object Changes" are set to: "Changes to repository and cross-client Customizing allowed".

b. System change options under SE06 are not relevant for the transport import or export process.

c. The only mean to avoid transport requests to be imported is by closing the Import Queue under STMS.

* Note: you may lock the system for changes and still grant access to import, trace, and debug transport requests.

4) Transport import with an failed activation.
After the objects have been imported, the BPC API's will attempt to activate the objects under the transport shadow tables for BPC.
In the event the activation fail, its status can be reverted for a new import by following the steps below.

a. Check tables UJT_TRANS_OBJECT and UJT_TRANS_FILE for objects with a fault activation:
Use the transport request number under table field REQNO to filter the objects per request.
Field OBJVERS hold the object status: D (To be imported), A (Import success), H (Import fail).

b. In case there are objects with an 'Import Fail' status, they must be cleaned before you can attempt to re-transport.
Use report UJT_AFTER_FAIL_PROCESS under SE38.
Feed the environment name, and the transport request number under "Request".
Check "Only failed" and execute.

c. After the report completes, double check the status for the same objects again under UJT_TRANS* tables.

5) UJT_TLOGO_AFTER_IMPORT failures.
The errors logs for UJT_TLOGO_AFTER_IMPORT are related to the activation of the imported objects (listed under UJT_TRANS_OBJECT/FILE).
This may happen by different reasons, including a few known bug in the API.

a. If the errors in the log point to objects that "already exists":
Make sure the request you are carrying is consistent with the environment you have on the target side. For instance, if the environment on the target system was manually modified, the objects dependencies between source and target may get incompatible -- example: a cube or dimension structure.

b. In some scenarios, a completely deleted environment in the target may left some scrap generated tables behind, such as journals. This may cause a known error documented under note 1998743.

c. "Failed to read master data from dimension". This issue is caused by a missing global parameter between the two systems. Refer to note 205794 for further information.

d. It is advisable to run a data checker in the exported environment before collecting the transport request. Some import/activation of transport fail because the environment is inconsistent in the source system where they where collected, but also may happen due to API malfunction.
"Circle reference existed for member" - refer to 2029536.
"Failed to expand member formula for dimension" - refer to 1977387.

See Also

Installation Guides for BPC 10 and 10.1 for Netweaver are available at: http://help.sap.com/boepm

Header Data

Released On	27.11.2014 16:37:01
Release Status	Released to Customer
Component	EPM-BPC-NW NetWeaver Version
Other Components	EPM-BPC-NW-TRA Transport
Priority	Normal
Category	Problem

Product

Product	Product Version
SAP BusinessObjects Planning and Consolidation, version for SAP	SAP Business Planning and Consolidation 10.0, version for SAP Ne
	SAP Business Planning and Consolidation 10.1, version for SAP Ne

References

This document refers to:

SAP Knowledge Base Articles

2050794 Business Planning and Consolidation Restore Failed with the error 'Failed to read master data'
1816926 Error when attempting to import BPC transport request on the target system

CSS SAP Notes

2050531 The mapping between the ADMIN team and its folder is missing
2033249 The team description is not updated in library
2029536 Unjustified error message 'Circle reference existed for memb
2011559 Fail to clean dirty BPC environment data by program UJS_ACTI
1998743 Cannot remove journal table when deleting Environment
1977387 Errors occur when running the program UJA_DATA_CHECKER
1732544 Exception "CX_UJ_NO_AUTH" occurs during master data import
1727052 User is not authorized to import content during transport