

Hurdles in BW Enhancement Pack Upgrade and their Resolution



Applies to:

SAP BW 3.x & SAP BI Net Weaver 2004s. For more information, visit the [EDW homepage](#).

Summary

This document will help the reader get a consolidated list of issues faced during EHP1 Upgrade and their fixes. This will thus help in reducing in the overall issue resolution time.

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Author Bio



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Table of Contents

Scenario	3
Introduction	3
Issues and their Solution	3
Issue 1	3
Issue:	3
Analysis:.....	3
Solution:.....	3
Issue 2.....	3
Issue:	3
Analysis:.....	3
Solution:.....	3
Issue 3.....	4
Issue:	4
Analysis:.....	4
Solution:.....	5
Issue 4.....	5
Issue:	5
Analysis:.....	5
Solution:.....	5
Issue 5.....	5
Issue:	5
Analysis:.....	5
Solution:.....	6
Issue 6.....	6
Issue:	6
Analysis:.....	6
Solution:.....	6
Issue 7.....	6
Issue:	6
Analysis:.....	7
Solution:.....	7
Related Content.....	8
Disclaimer and Liability Notice.....	9

Scenario

A SAP BW upgrade to EHP1 is being planned for your system which is on SAP NetWeaver '04 release of the SAP BW.

Introduction

The BW System was on SPS13 and being upgraded to EHP1 SP5.

Below we will be discussing the various issues faced during the upgrade and their fixes.

Issues and their Solution

Issue 1

Issue:

RSRV check stopped running after upgrade for Write Optimized DSO



Analysis:

This used to work as successful in SP13, but stopped working after EHP1.

Solution:

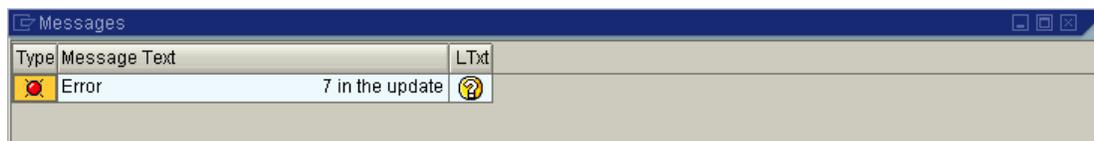
It was understood during upgrade that, this check used to give false messages for Write Optimized DSO before upgrade. The message has been modified.

This check gives a message signifying that this test is only applicable for Standard DSO's and not write optimized DSO's as they do not have generated activation program as no activation is involved in this type of DSO.

Issue 2

Issue:

Error 7 in Update



Analysis:

This error started occurring for all the loads from a Source DSO/Cube to a target cube/DSO for BI 3.x data flows.

Solution:

Run the program RSDD_RSTMPLWIDTP_GEN_ALL with parameters mentioned in the OSS Note 1152453.

In BI 7.0, a new template for generating the InfoCube write program was introduced for data transfer process (DTP) loading processes (RSTMPLWIDTP). However, the template RSTMPLWI was still used for non-DTP loading processes or with transactional writing.

In Support Package 16, the template RSTMPLWI was completely replaced by RSTMPLWIDTP. Therefore, an InfoCube must be generated at least once in BW 7.0 so that the program name is written to the metadata of the InfoCube. The ABAP program RSDD_RSTMPLWIDTP_GEN_ALL was also delivered with Support Package 16. It generates the new programs from the template RSTMPLWIDTP and cleans up the staging table RSUPDINFO.

The program RSDD_RSTMPLWIDTP_GEN_ALL has the following parameters:

```
p_prov    "Infocubename"
           Initial means all active InfoCubes without program names
           in the metadata are treated
p_ic_act  'X' InfoCube(s) are activated
           '' no activation
p_pg_gen  'X' InfoCube write program is generated
           '' no generation
```

If you do not execute the program for a particular InfoCube

(P_PROV = ''), you must set p_ic_act = 'X' to eliminate the metadata inconsistency. This is not compulsory.

The InfoCube write program is also generated with P_PG_GEN = 'X'; however, this is not absolutely necessary. The program is automatically generated when data is loaded for the first time if it does not exist.

In urgent cases, you can implement the correction instructions as an advance correction. The program RSDD_RSTMPLWIDTP_GEN_ALL has three parameters: P_PROV , p_ic_act und p_pg_gen.

p_prov: InfoCube name (if empty, all active InfoCubes)

p_ic_act: 'X' activates an active InfoCube if WIPROGID is empty.

p_pg_gen: 'X' generates all write programs for active InfoCubes.

Issue 3

Issue:

RSRV check was failing standard DSO's

ODS Objects		
Foreign Key Relationship of Reporting-Relevant ODS Object and SID Table Characteristics		
Check the Status of the Generated Program of a Data Store Object		
<input checked="" type="checkbox"/>	Test of program for activating and deleting requests	
<input checked="" type="checkbox"/>	Test of program for deleting requests	
<input checked="" type="checkbox"/>	The program for deleting requests is not current	
<input checked="" type="checkbox"/>	Different numbers of rows	
<input checked="" type="checkbox"/>	Number of rows for temporary program: 3466, no. of rows active prog.: 3442	
<input checked="" type="checkbox"/>	The program for deleting requests must be regenerated	
<input checked="" type="checkbox"/>	Test of the activation program	
<input checked="" type="checkbox"/>	The activation program is not current	
<input checked="" type="checkbox"/>	Different numbers of rows	
<input checked="" type="checkbox"/>	Number of rows for temporary program: 16629, no. of rows active prog.: 16560	
<input checked="" type="checkbox"/>	The activation program has to be regenerated	

Analysis:

This error was occurring for some random standard DSO's.

Solution:

There were two options to correct this error.

Option 1: Use the correct error option in RSRV.

Option 2: Load a request to the DSO, activate the request and delete it. These activities regenerate the generated programs.

After this RSRV check starts becoming successful.

Issue 4**Issue:**

Text of compounded info object changed after upgrade in the Query Output.

Analysis:

Query Output before the Upgrade:

Not assigned/

Query Output after the Upgrade:

Not assigned/E0018
Not assigned/E0014
Not assigned/E0018
Not assigned/E0018

This started happening in situations where one of the compounded keys was blank.

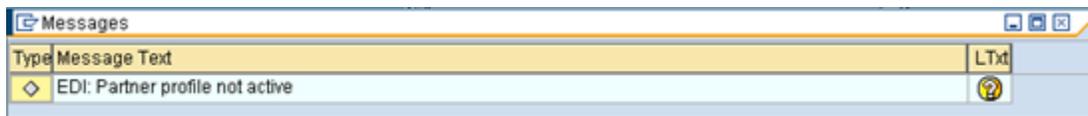
Solution:

This is an improvement and not a bug

System shows the value after "/" because it is necessary in order to show the difference between both values. If the value after "/" doesn't appear you cannot know if "not assigned" refer to E0018 or E0014 in the above example.

Issue 5**Issue:**

Data Load failed with error: EDI Partner Profile not active

**Analysis:**

This error started occurring while extracting the data from R/3 system.

Solution:

Contact the Basis Team to activate the partner profile.

Issue 6**Issue:**

Error when trying to repeat a job

Cannot activate job BI_PROCESS_LOADING (return code 8)

Analysis:

Repeat of steps in either process chains were not working.

Solution:

Solution 1: Configure the ALEREMOTE ID Correctly.

Solution 2: Check if the process chains are accessing the correct server. If not, go to change mode .

From the menu select Process chains → Attributes → Background Server, save and activate the chain.

This issue generally happens if there are more than one server connected to the BW system.

Issue 7**Issue:**

ODS Activation failing giving the error:

Internal session terminated with a runtime error (see ST22)

The short dump message is as shown below:

Error analysis	
Short text of error message:	Invalid PBT server group name: PARALLEL_GENERATORS
Long text of error message:	Diagnosis
	The system tried to initialize the environment for processing parallel RFCs using the function module SPBT_INITIALIZE. The server group name specified was found to be invalid. The server group name describes a group of servers on which the parallel RFCs should be processed.
System Response	Procedure
	You can use Transaction RZ12 to determine which PBT server groups are configured in your system. You should only use one of the server group names listed there to process parallel RFCs.
Technical information about the message:	
Message class.....	"BT"
Number.....	831
Variable 1.....	"PARALLEL_GENERATORS"

Analysis:

There is ODS Setting defined in the TCode: RSODSO_SETTINGS

Choose Parameter Type

Note: DataStore-Specific Parameters Control
Cross-DataStore Parameters

Cross-DataStore
 DataStore Specific

DataStore Object

Change Delete Transport

The activation parameter setting was as shown below:

Parameter for Activation

Change Process Params.

Maximum Package Size 20,000
Maximum Wait Time for Process 300

Settings for Parallel Processing

Process Type: ODSACTIVAT(DataStore Activation)
Process Variant: DataStore Activation Without Process Chain Variant

Number of Processes 10 Parallel Processing

Parallel Processing

Dialog
Server Group for Parallel Dialog Processing PARALLEL_GENERATO...

Background
Job Class of Additional Background Processes with Parallel Processing
Server/Host/Group on Which Additional Processes Should Run

The server in TCode RZ12 was configured as:

```
parallel_generators
```

i.e. in lower case. This was causing the activation to fail.

Solution:

Contacted basis team to change it to upper case

```
Logon Group  
PARALLEL_GENERATORS
```

Related Content

www.help.sap.com

www.service.sap.com

www.sdn.sap.com

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