

Consistency Issues in MultiProviders - BI 7.0



Applies to:

Applicable – upon migration from BW 3.x to BI 7.0. For more information, visit the [EDW homepage](#)

Summary

This article will help to understand the majorly experienced issues, while using the BW 3.5 multiprovider in particular, which is migrated upon BI 7.0 upgrade.

The inconsistent identification of the multiprovider objects across its source objects will fall in these common scenarios.

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The warning messages that being popped up in BW 3.5, upon checking the syntax of the Multi Provider, are all categorized as “BRAIN 7” clause messages and are sorted as errors in BI 7.x system tables, on upgrade.

The Multi Providers that have such warnings due to their inconsistent mapping / identification of their source to target objects, will get inactive and issue error in BI 7.0, upon the migration of the system (from 3.x into 7.0) .

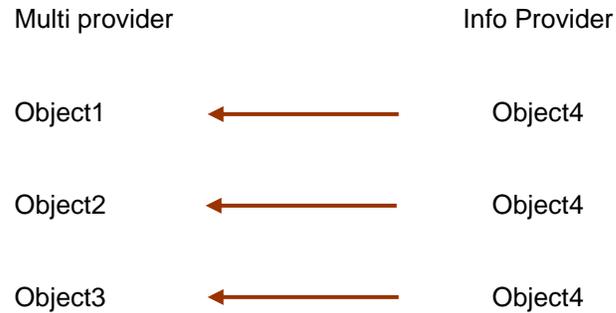
Following examples will give us an idea over the widely experienced issues, when the consistency of info objects' identification is not in-line.

The consistency of the compounding cannot be guaranteed while adopting any of the following FOUR Scenarios -

Scenario # 1:

Info Object of any of the partner Info Provider being mapped to more than one Info Objects of the Multi provider.

FOR EXAMPLE:

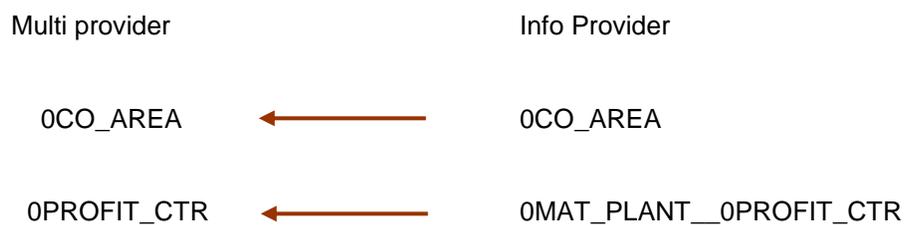


Note: As a rule, one Info Provider object, being mapped to a Multi Provider's object, cannot be used to identify another Multi Provider object.

Scenario # 2:

Multi Provider's Object1 is compounded with Object2. Object 1 is mapped with Info Provider's Object. But Object2 is mapped to an Info Object's attribute of the same info provider

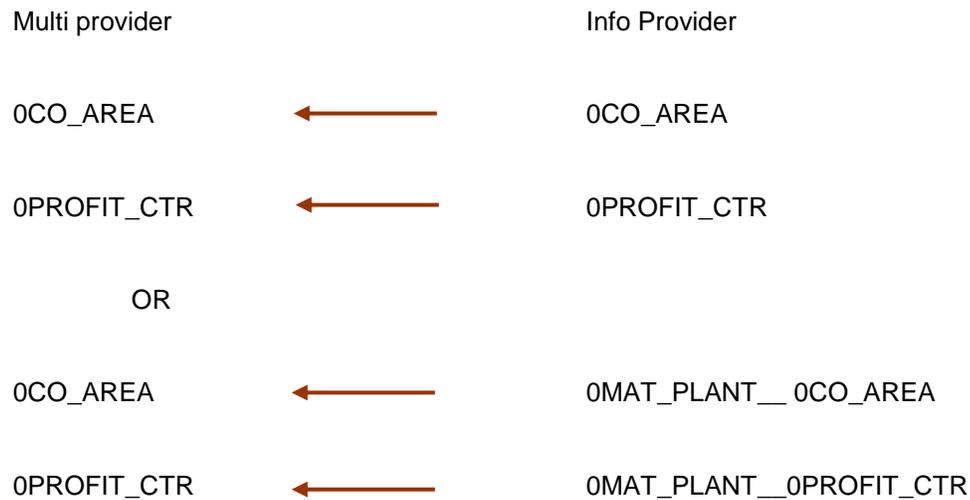
FOR EXAMPLE:



Where, 0CO_AREA is compounded to 0PROFIT_CENTER

In such case, the following identification will be considered valid:

CORRECT MAPPING –



Where in here, both the objects are attributes of 0MAT_PLANT.

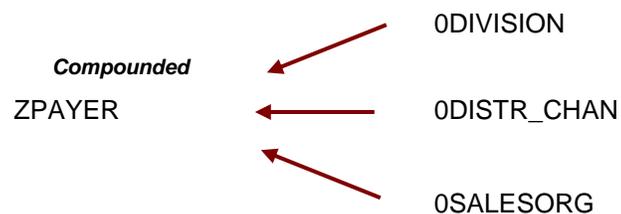
Note: It's being expected with Compounded Objects of a Multi Provider, that, the mapping from the Info provider to Multi Provider should happen, either at the Info Object level or its Attribute level only.

Scenario # 3:

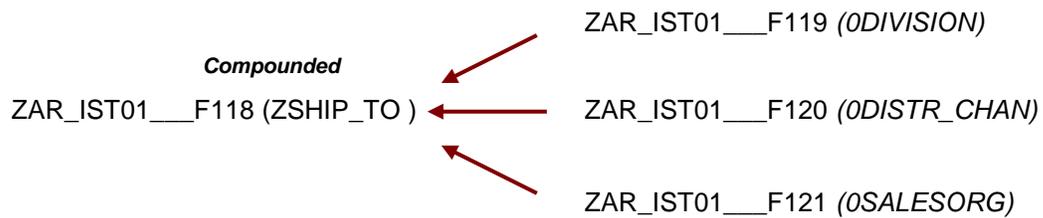
A multi provider's Info Object (Object1) is compounded to more than one Info Object (Object2, Object3, Object4 ...). Object1 is mapped to any of the partner Info Providers and no other mapping is done for the compounding objects with the same Info Provider.

FOR EXAMPLE:

Consider we have:



AND



Assume, In MULTI PROVIDER we map:



In such a case, the following is highly expected by the consistency result as:



Note: It is expected that with a Multi Provider object being mapped, then all of its compounded objects should also be mapped from the same Info Provider.

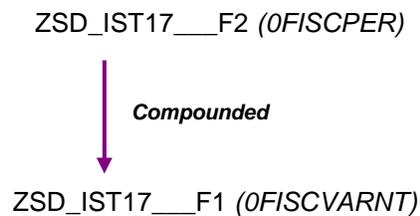
Scenario # 4:

Object1 and Object 2 of an Info Provider are compounded. Similarly Object 3 and Object 4 of Multi Provider are compounded. Assume, Object 1 of Info Provider is mapped to Object3 of Multi Provider only.

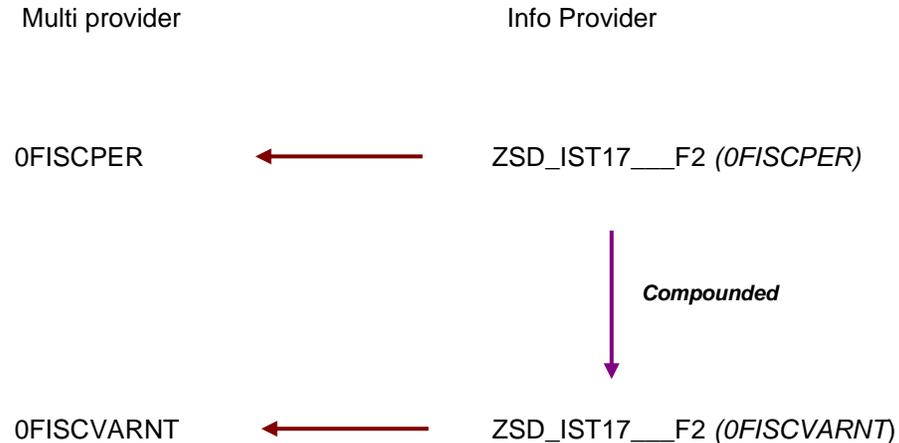
FOR EXAMPLE:



Where,



In such a case, the following is highly expected by the consistency system check as:



Note: Here, it is expected that with an Info Provider's object being mapped to a Multi Provider's object, then its Compounded Objects should also get mapped with their relevant Multi Provider's Objects.

Useful tip

Report RSCOMPCONS and/or RSCOMPCONS2 helps to identify inconsistent MultiProviders.

When the report is executed in BI 7.x system, it lists MultiProviders that are inconsistent with respect to compounding.

Summary

When MultiProviders are activated, a check is made to establish whether the identification of Characteristics and Navigation Attributes is consistent with respect to compounding.

MultiProviders defined with SAP BW 3.x can cause errors when they are 'touched' in BI 7.x system and it might no longer be possible to activate them, unless we change and import.

Related Content

[OSS Note 920416 - Checking compounding consistency in MultiProviders](#)

[Consistency Check for Compounding](#)

For more information, visit the [EDW homepage](#)

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