

# Integrating MDM with BI 7.0 Using Logical Connection Object, Part 3



## Applies to:

SAP Net Weaver 2007s/ MDM 5.5 /BI 7.

For more information, visit the [Master Data Management homepage](#).

## Summary

This article is a sequel of "[Integrating MDM with BI 7.0 Using Logical Connection Object, Part 2](#)" and is primarily focused on reporting part of consolidated master data.

**Author:** Suman Karanam.

**Company:** Satyam Computer Services Ltd.

**Created on:** 12 Aug 2008

## Author Bio



He has been associated with Satyam for 22 months and has been a part of MDM practice since February 2007. He also has ABAP and SAP BI experience and completed his Bachelor's degree in Mechanical Engineering.

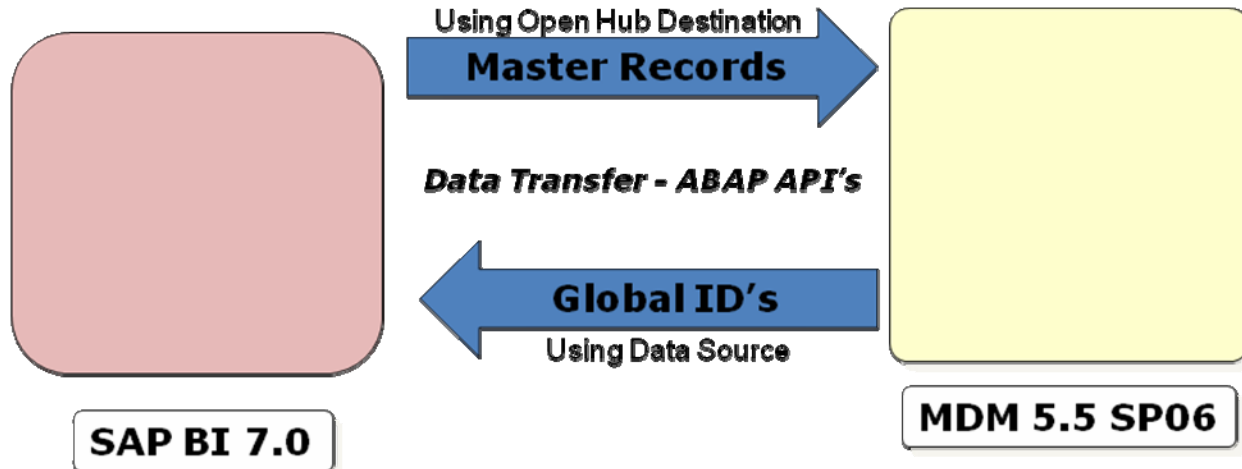
## Table of Contents

Introduction .....	3
Prerequisites .....	4
Report before Consolidation .....	6
Modifying the Query for Consolidated Master Data .....	7
Reporting on Consolidated Master Data .....	8
Drilling Down to Customer ID from GID.....	9
Summary.....	10
Related Content.....	10
Disclaimer and Liability Notice.....	11

## Introduction

MDM plays key role in analytics area to produce accurate reports. So BI-MDM integration is very handy in SAP landscape. Earlier integrations between BI and MDM were through FTP, where the BI system and MDM were exchanging the data through ready folder of FTP. But later SAP came with inbuilt feature for BI where it can directly send the data to MDM through ABAP APIs.

MDM in analytics is acting as plug-in to the data warehouse. BI will push the data to MDM. MDM is only responsible for cleansing data and again BI will pull the cleansed data from MDM.



## Prerequisites

1. The compatible MDM\_TECH should have been installed on the ABAP based system. It can be checked through SAINT transaction MDM\_TECH add-on on contains set of ABAP APIs which can be used to simulate almost all functions of console, import manager, data manager and syndicator.

### Add-On Installation Tool - Version 7.00/0027

The screenshot shows the 'Add-On Installation Tool : Installed Add-ons' window. It features a title bar with standard icons and a main area containing a table of installed add-ons. Below the table is a 'Status/Remarks' section with a warning icon and text. At the bottom, there are three buttons: 'Back', 'Start', and 'Cancel'.

Add-on/PCS	Release	Level	Description	Import cl...	Import date
BI_CONT	703	0009	Business Intelligence Content	000	01.06.2006
MDM_TECH	555_700	0005	MDM_TECH 555 : Add-On Installation	000	07.05.2008
PI_BASIS	2005_1_700	0015	PI_BASIS 2005_1_700	000	18.04.2005
SAP_BW	700	0017	SAP NetWeaver BI 7.0	000	18.04.2005

**Status/Remarks**

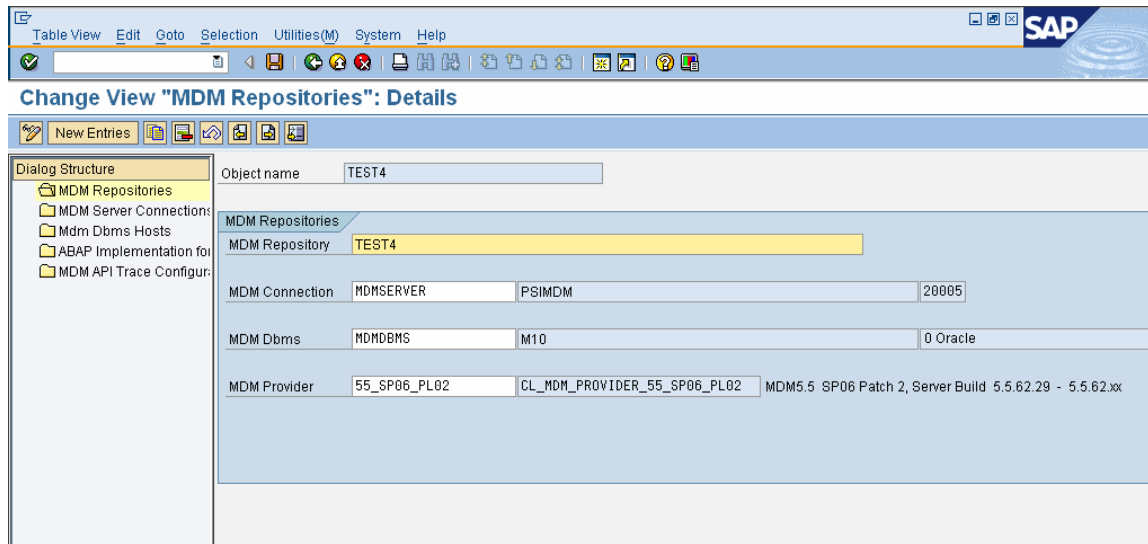
You can only use the display mode  
Reason: OCS is locked by transaction SPAM  
Process all the steps of the transaction SPAM until they are completed

Back Start Cancel

## 2. Creation of a Logical connection object using the transaction MDMAPIC.

For more information regarding the configuration of Logical object please go through the following link

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/601ddb01-e5c8-2910-d981-b190b51fca44>



## 3. Make sure that there is a trusted connection between the MDM server and the BI server before proceeding into the further steps of the scenario.

Trusted connection can be enabled by mentioning the BI server IP address in allow.ip file which is in the MDM server; so that MDM will understand that the connection pool with BI is trusted.

For more information on allow.ip, please refer the following link

[http://help.sap.com/saphelp\\_mdm550/helpdata/en/44/93aa6e31381053e1000000a422035/frameset.htm](http://help.sap.com/saphelp_mdm550/helpdata/en/44/93aa6e31381053e1000000a422035/frameset.htm)

## 4. Must have consolidated Master data in BI system. Please go through my previous articles which will demonstrate the consolidation and harmonization in BI7 MDM integration scenario

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/b01e4269-f744-2b10-929b-fa7b49aac540>

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/d06a92de-614e-2b10-4989-d913c2154a64>

## 5. Business Explorer (BEx) should be installed in the BI system.

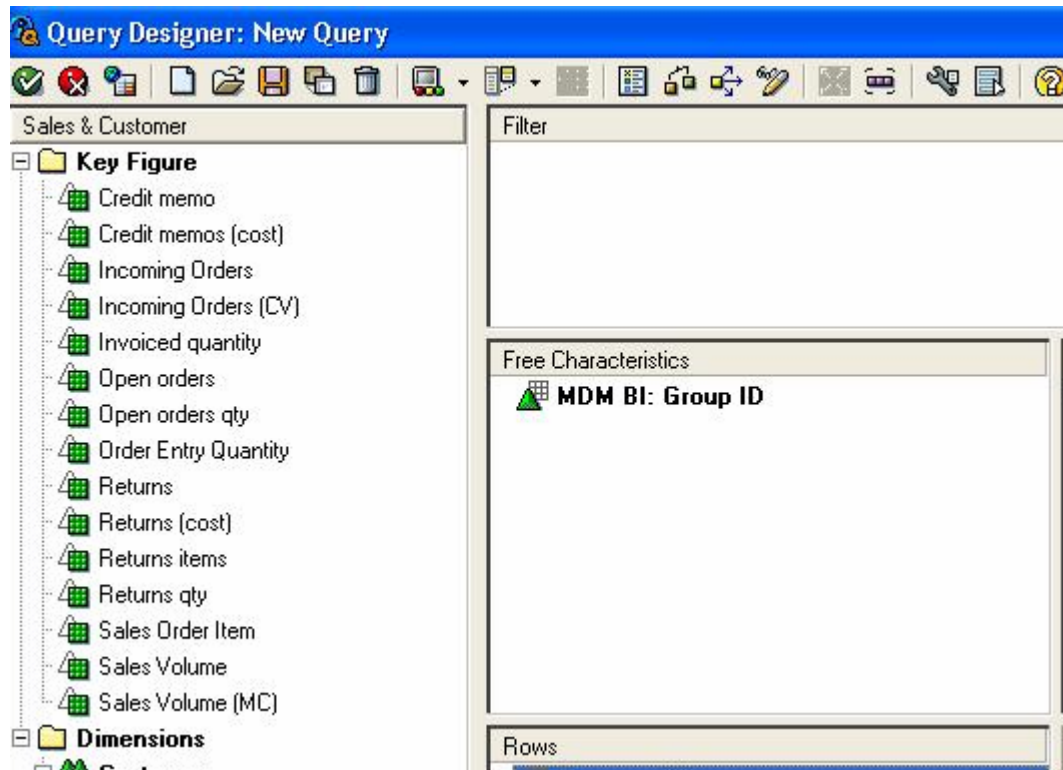
## Report before Consolidation.

Write a query on the info cube to generate the reports of the customer for sales volume and incoming orders.

Customer No	Name	Location	Street Name	Sales Volume	Incoming Orders
<b>Overall Result</b>				<b>94.00 EUR</b>	<b>7,492.00 EUR</b>
1000	Becker Berlin	Berlin	Calvinstrasse 36	25.00 EUR	2,000.00 EUR
1005	CPG Europa	Offenbach	Kaiserstrasse	3.00 EUR	268.00 EUR
1007	Pharma AG	Frankfurt	Koenig Strasse	4.00 EUR	240.00 EUR
1101	Cummins Pty Group	Offenbach	Kaiserstrasse Street 30	10.00 EUR	835.00 EUR
1107	Pharma Pvt Ltd	Frankfurt	K. S. st. 300	20.00 EUR	1,788.00 EUR
1108	B B Co. Limited	Berlin	Calvinstrasse 36	4.00 EUR	240.00 EUR
1111	P.S.G. GmbH	Nuernberg	Augsburgerstrasse 27	3.00 EUR	180.00 EUR
1112	BBCL	Berlin	Calvin Street 36	25.00 EUR	1,941.00 EUR

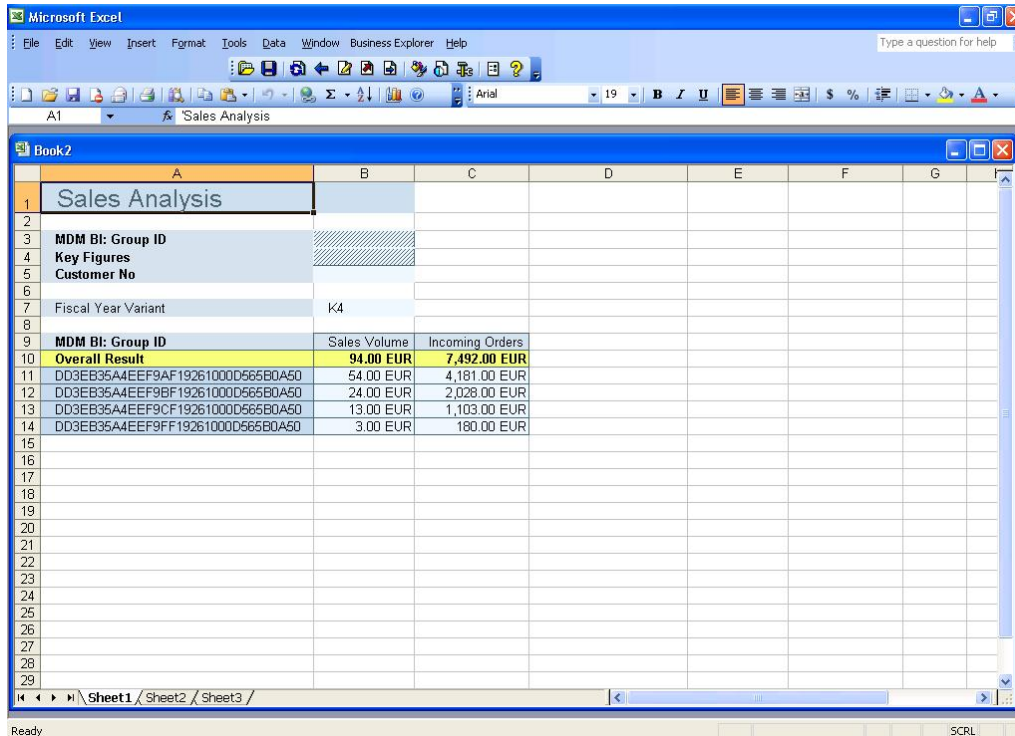
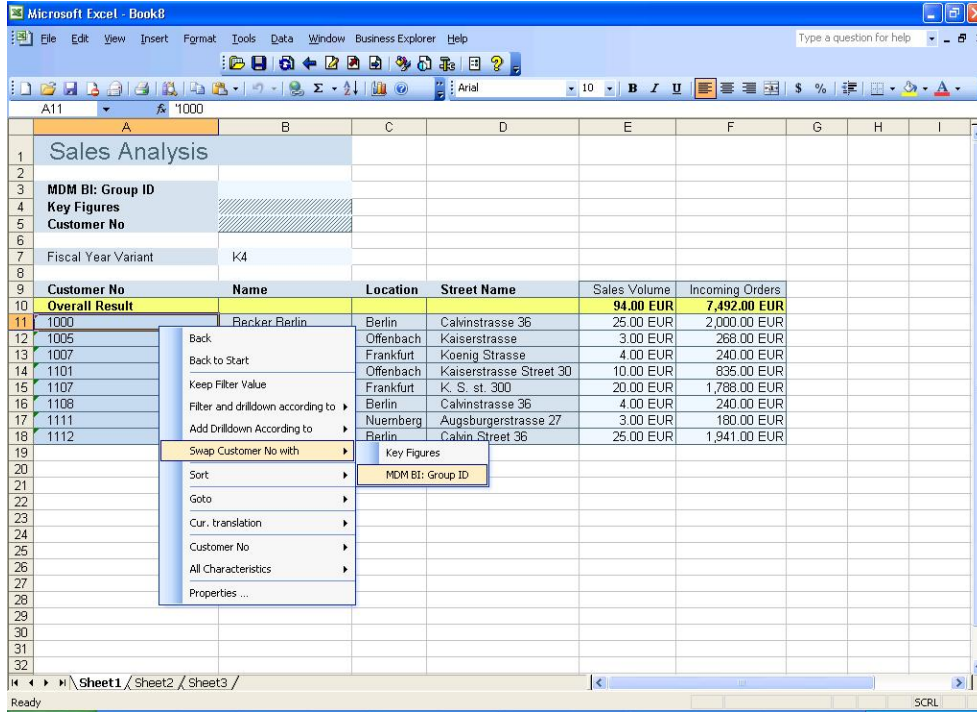
## Modifying the Query for Consolidated Master Data

After consolidation of the master data, modify the existing query by just adding the Global ID field (0MDM\_GID) as "Free Characteristics"



## Reporting on Consolidated Master Data

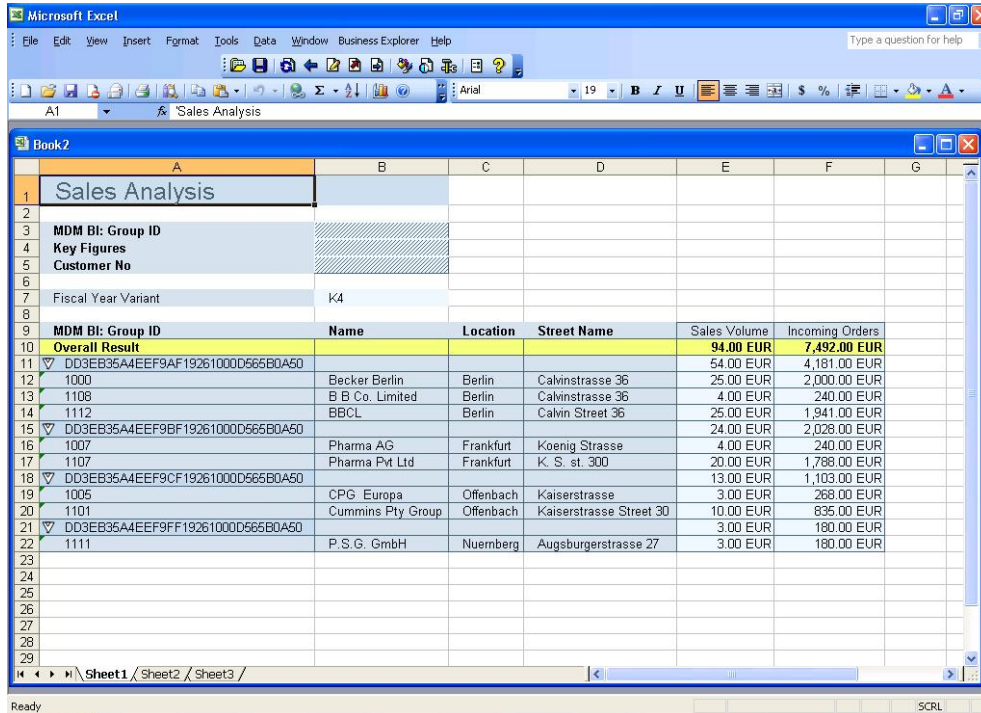
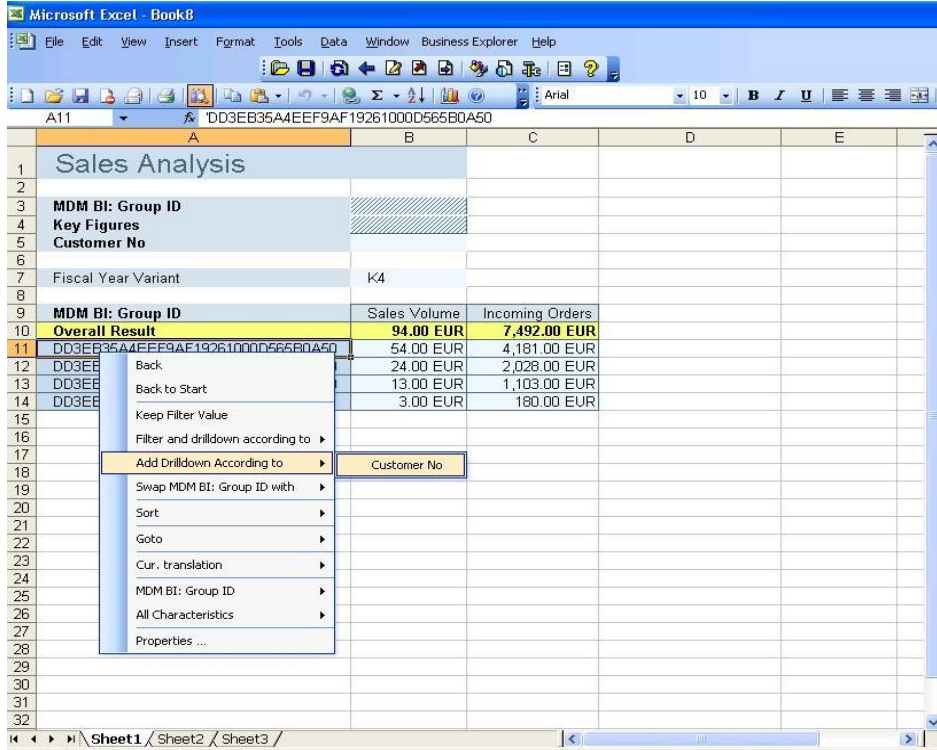
Generate the reports by modifying the query as mentioned above. Since we have added the Global ID as free characteristic, we can swap the customer ID with the Global ID as shown in the following figure.





## Drilling Down to Customer ID from GID

Right click on the report and select the drill down option from the context menu as show in the figure.



## Summary

After having a consolidated master data in the BI system, reports can be generated on the info cube level.

Basic knowledge of any reporting tool is needed to execute this scenario; In this case knowledge of BEx and Query designing is mandatory. MDM only acts as just plug-in in this scenario. This scenario only considered to correct the problem with incorrect reports. MDM will only help BI in identifying the duplicates.

## Related Content

<https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/library/uuid/601ddb01-e5c8-2910-d981-b190b51fca44>

[http://help.sap.com/saphelp\\_mdm550/helpdata/en/44/93aa6e31381053e10000000a422035/frameset.htm](http://help.sap.com/saphelp_mdm550/helpdata/en/44/93aa6e31381053e10000000a422035/frameset.htm)

<http://help.sap.com/>

For BEx: [http://help.sap.com/saphelp\\_nw04/helpdata/en/9d/76563cc368b60fe10000000a114084/content.htm](http://help.sap.com/saphelp_nw04/helpdata/en/9d/76563cc368b60fe10000000a114084/content.htm)

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[Integrating MDM with BI 7.0 Using Logical Connection Object, Part 1](#)

[Integrating MDM with BI 7.0 Using Logical Connection Object, Part 2](#)

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