

מבוא ל- SAP-MDM

**SAP
MDM**

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על מה נדבר היום ?

- הגדרות
- למה חשוב שהנתונים יהיו מדויקים
- הרעיון מאחורי MDM – קונסולידציה של נתונים
- ארכיטקטורה
- טופולוגיה

Definition of Master Data

Master Data, Key Reference Data vs. Transactional Data

- **Master Data is “stable” information about the customers, materials, suppliers, facilities, equipment that make up a company’s business.**
- **Transactional Data is information about the events (orders, movements, production, payments) that occur on a day-to-day business.**

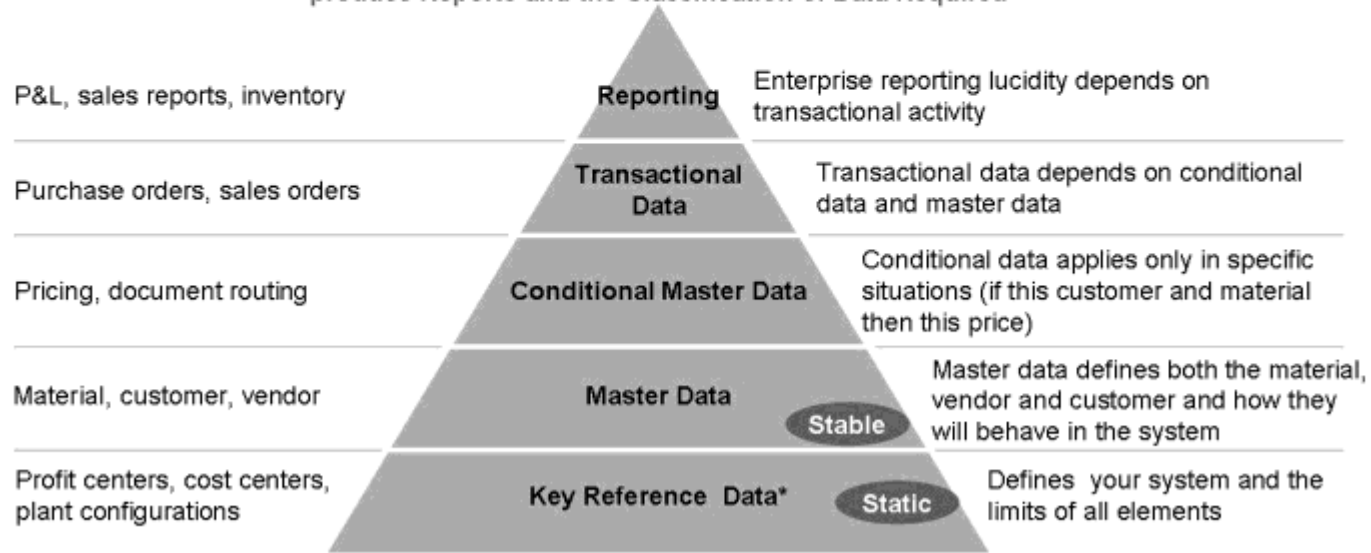
**Master Data controls how
Transactions are processed.**

Managing Data as a Means to Information

A data management strategy consists of a formal architecture which drives toward a common context for data to be viewed and managed as any other asset within the enterprise. It includes:

- Developing an architecture which defines and integrates data (and data quality associated with metadata – data about data), plus
- Data in purchased software, custom-built application databases, programs, screens, reports, and documents
- All data used by traditional information systems, expert systems, executive information systems, geographic information systems, data warehouses, and object oriented systems. This includes centralized and decentralized data regardless of where they reside, who uses them, or how they are used.

Leading Practice Examples of Information needed to produce Reports and the Classification of Data Required



*Key reference data = configuration data = control table data

The Master Data Challenge

A Problem Every Company has

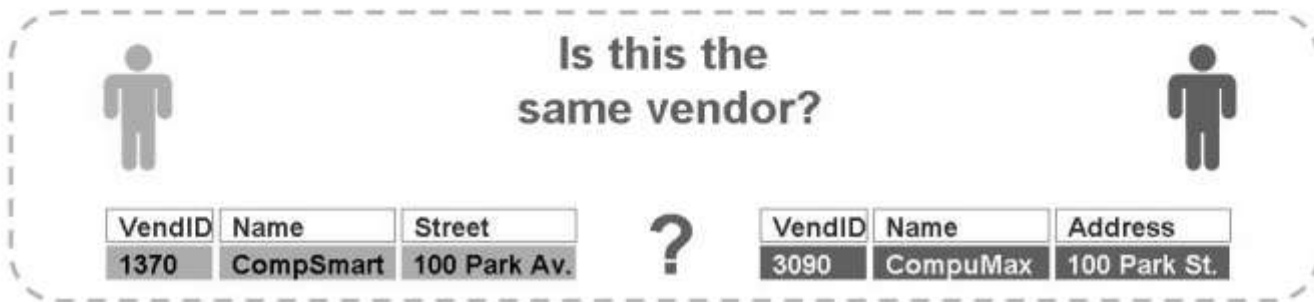
Master data describes key areas of your business...

- Customers (name, address, phone number, ...)
- Products (product attributes, list price, ...)
- Suppliers (parent entity, address, parts offered, ...)
- Employees (ID, name, title, address, org unit, ...), etc.

Master data is stored in multiple, disconnected systems/databases

Unmanaged master data is notoriously inaccurate, full of discrepancies, incomplete and leads to poor business decisions

Is this the same vendor?



VendID	Name	Street
1370	CompSmart	100 Park Av.

?

VendID	Name	Address
3090	CompuMax	100 Park St.

דוח BW לספקים לפני MDM

SAP NetWeaver BI reporting before the SAP MDM consolidation step.

BEx Ad-hoc Analysis

Data Analysis | Graphical display | Information | Information Broadcasting

LV Prototype 1st view Validity of Data: 13.10.2003 10:55:50

Save View | Bookmark | Variable Screen | Exceptions and Conditions | Notes | Export to Excel | Export to CSV

Vendor	GR Quantity	Purchase Order Quantity	Fulfillment Rate_Deliveries
PAQ Germany GmbH 1001	181,920.000 ***	193,590.000 ***	94 %
CompSmart Inc. 1370	200,028.000 ***	213,648.000 ***	94 %
CompuMax Corp 3090	130,932.000 ***	137,172.000 ***	95 %
Sunny Electronics Inc. 1000	176,742.000 ***	187,752.000 ***	94 %
Superminus 3660	49,500.000 ***	54,240.000 ***	91 %
PC Warehouse 3010	29,448.000 ***	30,822.000 ***	96 %
Overall Result	768,570.000 ***	817,224.000 ***	94 %

דוח BW לספקים אחרי MDM

SAP NetWeaver BI reporting after the SAP MDM consolidation step.

BEx Ad-hoc Analysis

Data Analysis | Graphical display | Information | Information Broadcasting

LV Prototype Validity of Data: 13.10.2003 1

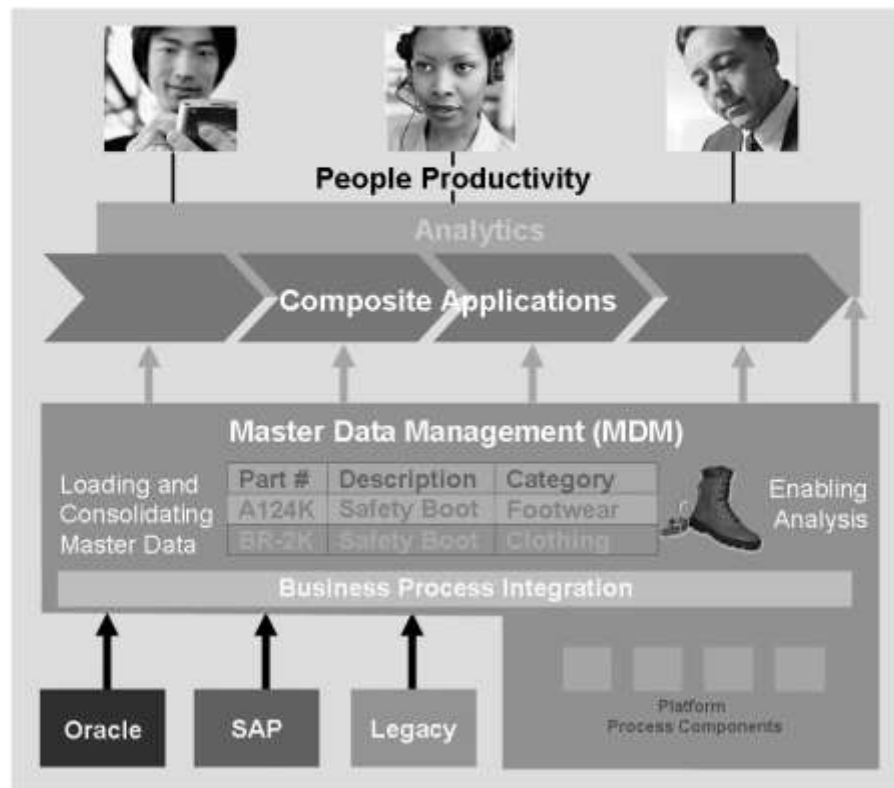
Save View | Bookmark | Variable Screen | Exceptions and Conditions | Notes | Export to Excel | Export to CSV

Global Vendor ID	Vendor		GR Quantity	Purchase Order Quantity	Full
40003933	PAQ Germany GmbH	1001	181,920.000 ***	193,590.000 ***	
40003934	PC Warehouse	3010	29,448.000 ***	30,822.000 ***	
40003941	CompSmart Inc.	1370	200,028.000 ***	213,648.000 ***	
	CompuMax Corp	3090	130,932.000 ***	137,172.000 ***	
	Result		330,960.000 ***	350,820.000 ***	
40003942	Sunny Electronics Inc.	1000	176,742.000 ***	187,752.000 ***	
	Superminus	3660	49,500.000 ***	54,240.000 ***	
	Result		226,242.000 ***	241,992.000 ***	
Overall Result			768,570.000 ***	817,224.000 ***	

Master Data Consolidation

Benefits

SAP MDM ensures data integrity with master-data consolidation and sets the stage for easy re-use via distribution or via business processes that directly leverage consolidated data

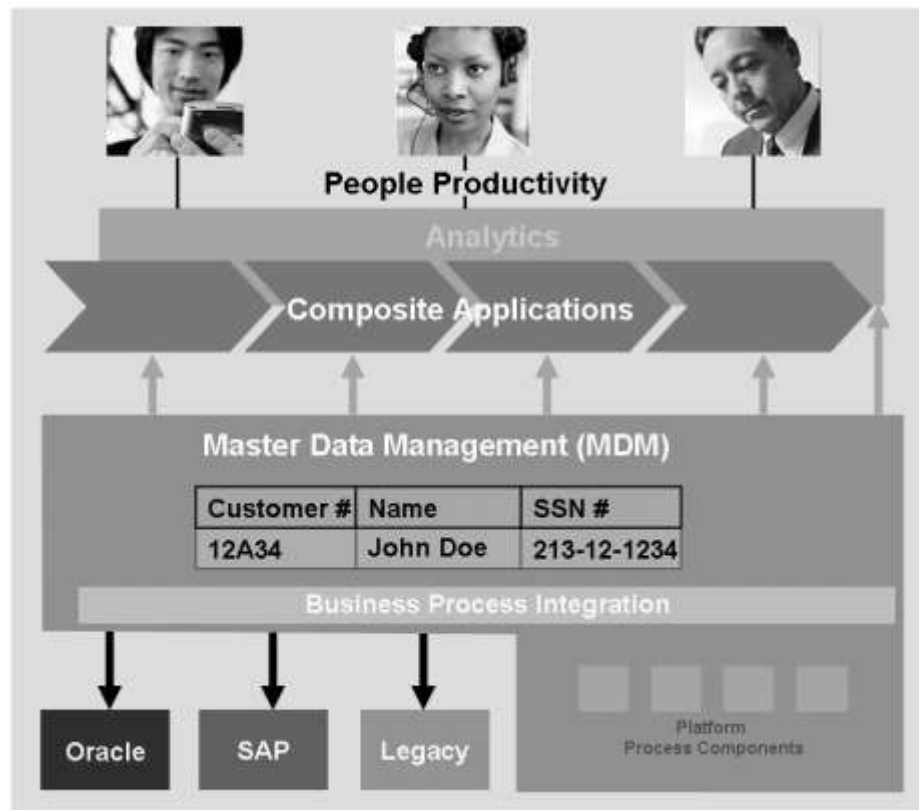


- Object models for supplier, customer, material, employee
- Data Normalization
- Available ad-hoc consolidation
- Interactive data quality analysis

Central Master Data Management

Benefits

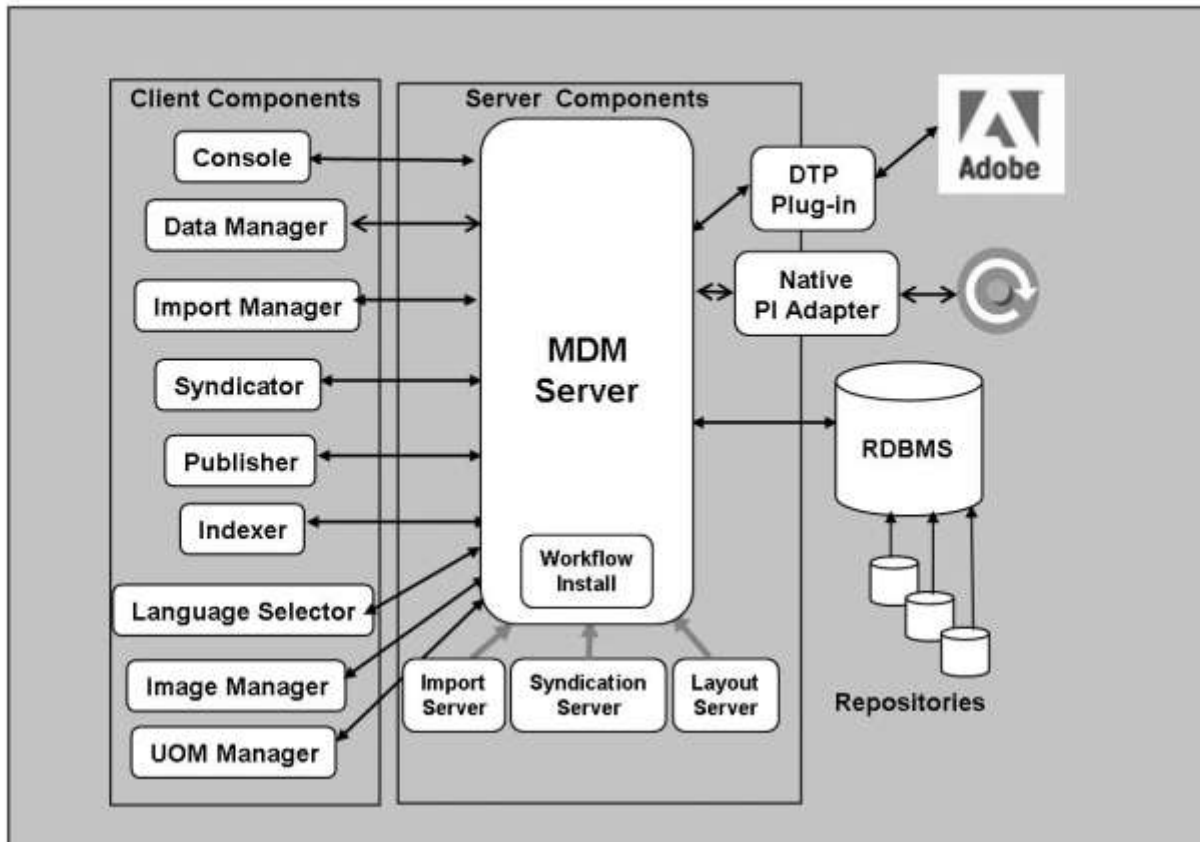
With MDM, a central comprehensive repository can be created with enriched content that can be used as the single source of the truth for all enterprise master data inter and intra enterprise



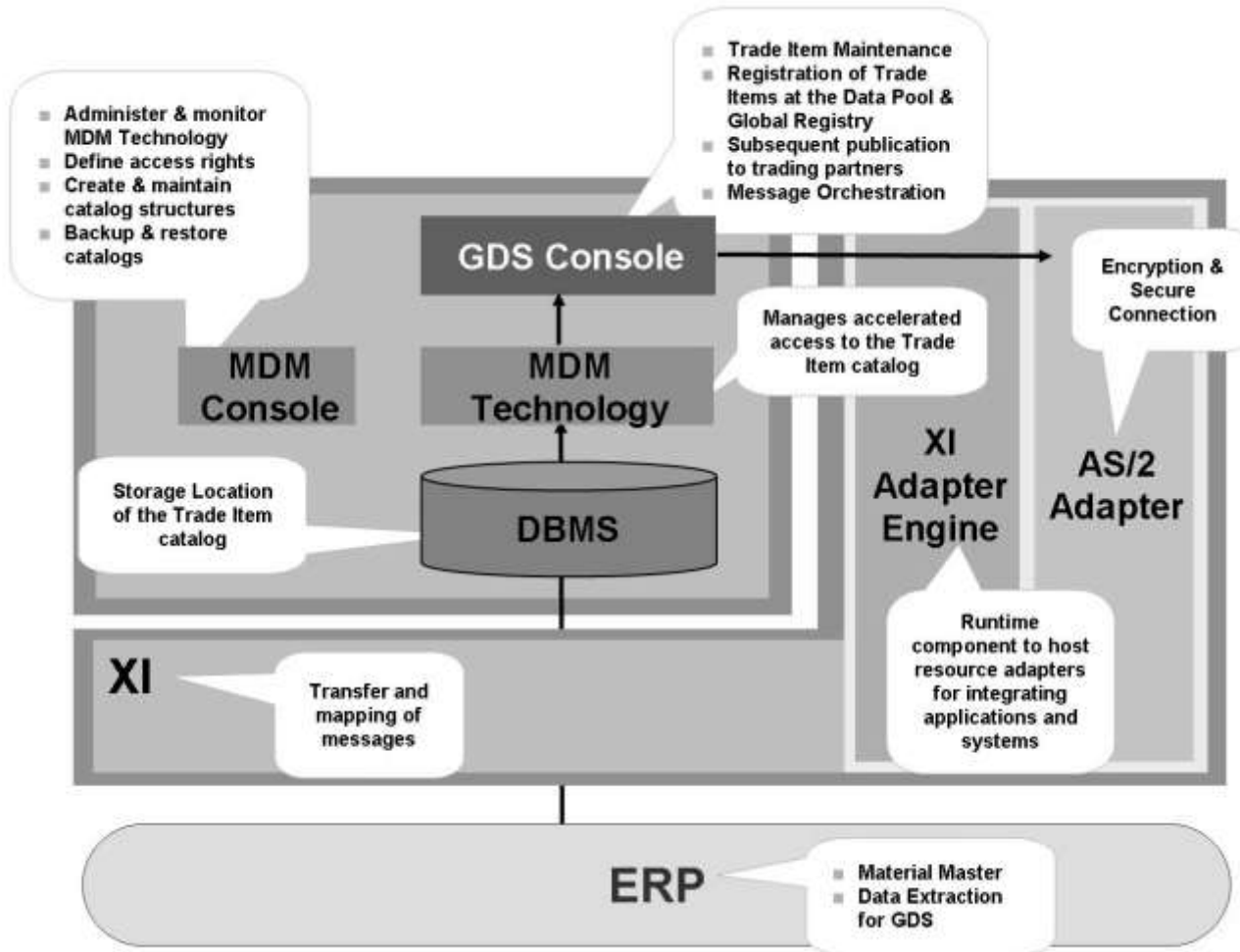
- Central repository for managing master data
- Interactive distribution to clients
- Data is maintained centrally using a rich client
- Comprehensive data normalization

MDM Architecture Overview

Illustrating the architecture of MDM Client and Server Components together with RDMS housing individual repositories

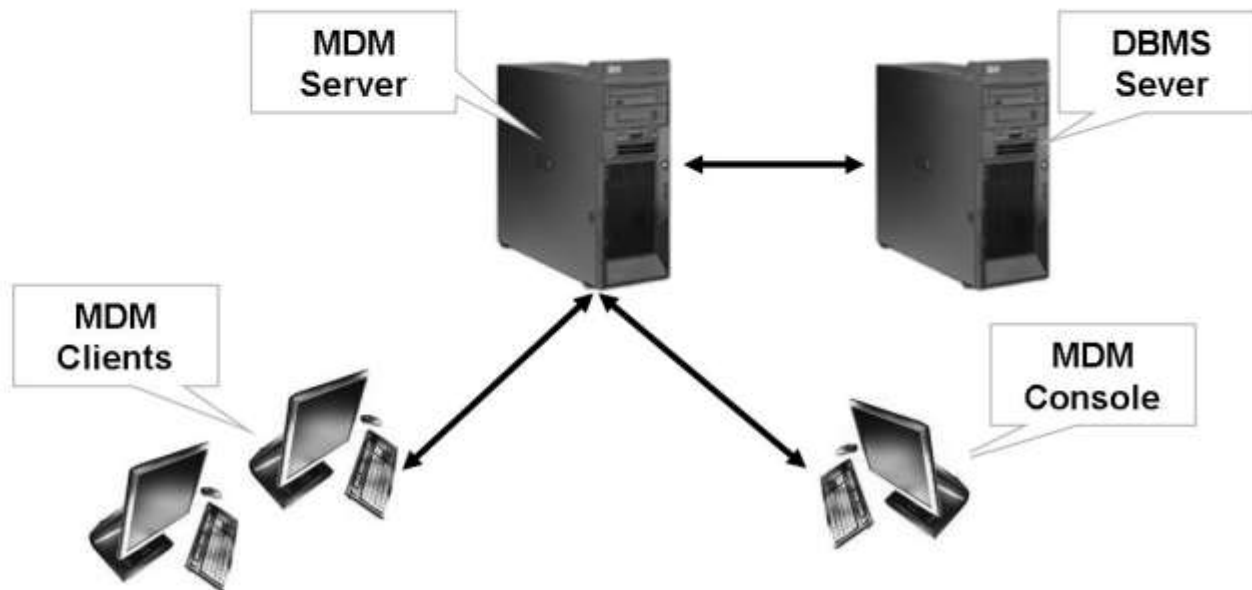


Global Data Synchronization Architecture



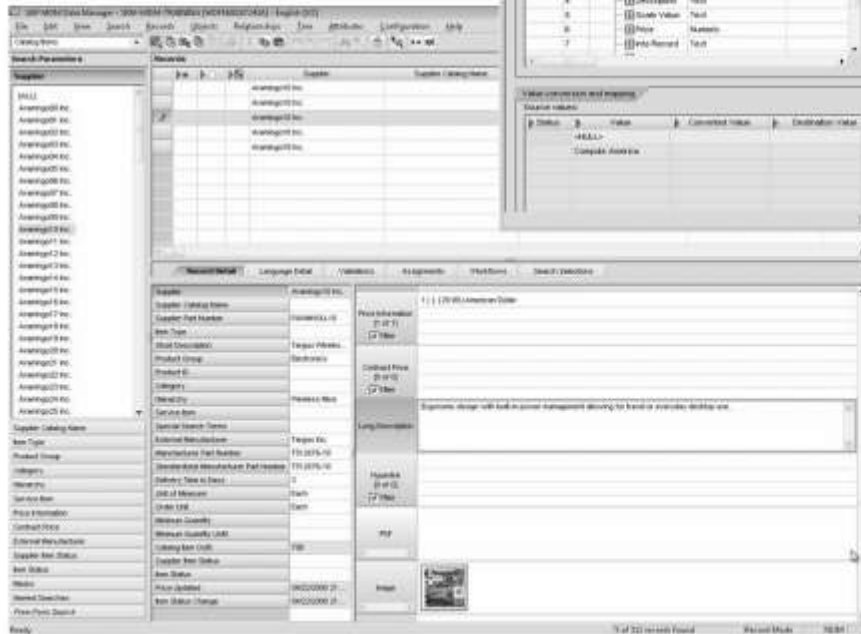
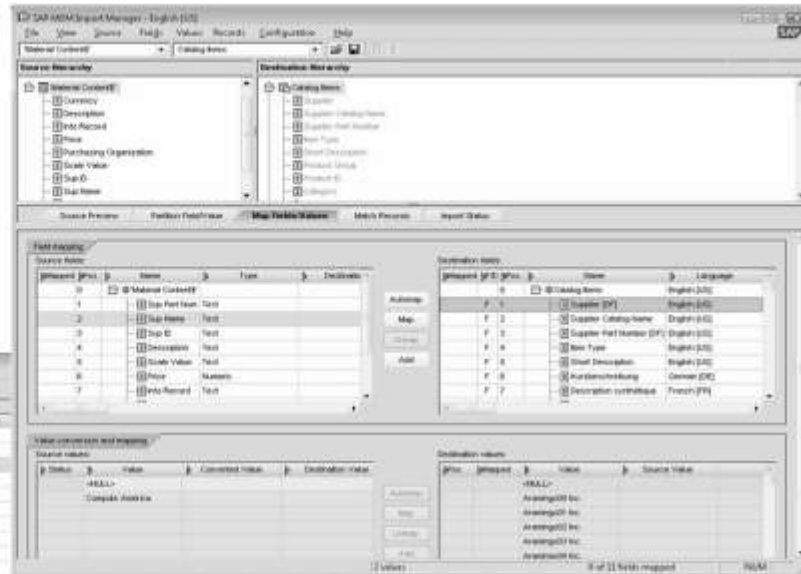
MDM System Topology

- All components can be installed on one machine, but a 3 Tier landscape is recommended.
- MDM Server, SAP MDM Clients and DBMS Server should be installed on different systems
- MDM Console is a lightweight application and can be installed at any workstation or server per your choice



Import Manager and Data Manger

**Import Manager:
Load and map files**



**Data Manager:
Search, approve,
and edit items**



תודה

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