

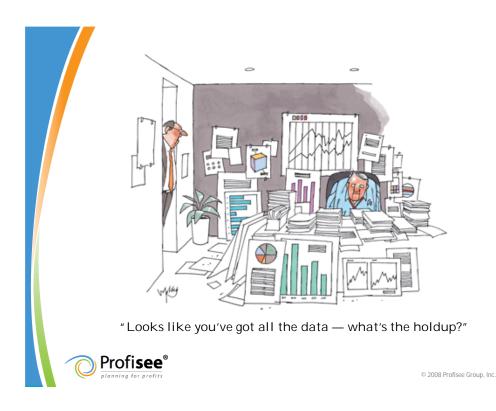


#### Master Data Management

Adam Hanson Principal, Profisee Group

March 10, 2008

//atlanta.mdf
 © 2008 Profisee Group, Inc.

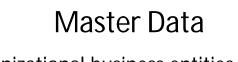


### **Presentation Agenda**

- MDM Overview
- Microsoft MDM Overview & Concepts
- Product Demonstration
- Microsoft MDM Roadmap & Resources
- Questions

Profisee<sup>®</sup>

© 2008 Profisee Group, Inc.



- Key organizational business entities and relationships shared across an enterprise
  - Products
  - Customers
  - Employees
  - Accounts
- Data that helps define a business
- Slowly changing





Organizational Rules and Policies

- Enterprise data that had been:
  - Cleansed
  - Verified
  - Integrated
  - "Rationalized"
- Referenceable (shared reference data)
- Agreed upon view across the organization (system-of-record)

Profi**see**®

© 2008 Profisee Group, Inc.

### Example, Sales Transaction



<u>Transaction Data</u> Records the value associated with the transaction (sales amount)

Master (Reference) Data Business entities associated with the transaction (employee, customer, product)

Transactional vs. Reference Data

Profisee®

### Master Data Management

- The people, processes, and systems that enable the effective management of master data
- Business and technology collaboration
  - Governance
  - Stewardship
  - Cross-functional coordination



© 2008 Profisee Group, Inc.

### Why Now?

- Governance and compliance concerns
- System and data proliferation
- Mergers, acquisitions, restructurings
- Data and businesses processes not truly defined and integrated; partner demands
- Desire to become more cost-effective, efficient, competitive, and agile

### Governance & Compliance

- International and domestic standards and legislation are demanding more visibility, transparency and auditability of systems
  - Can you track master data and hierarchy changes?
  - Do you know who made the changes?
  - Do you know when changes occurred?
  - Can you produce a snapshot from Q2 last year?



© 2008 Profisee Group, Inc.

### Key Benefits

- Make, sell, and analyze products faster
- Connect more effectively with suppliers and customers
- Improve business process efficiency
- Improve data quality and consistency
- Develop applications more efficiently
- Eliminate costs related to poorly managed data



### **Customer Scenarios**

- Documented case studies
- Duplicate data across systems (e.g., same telephone number for different individuals)
- Inconsistent hierarchies across analytical applications → dubious reporting
- Desire to associate, or link, common data across ERP systems after an acquisition



© 2008 Profisee Group, Inc.

### **Complementary Framework**

- · Complements existing systems
- However, MDM is not:
  - a data warehouse
  - an operational or transactional data store
  - a CRM, ERP, or SCM system
  - a metadata repository
- MDM "specializations": CDI, PIM



## Key MDM Requirements

- Data stewardship support
- Data browsing and editing
- Hierarchy management
- Change management
- Data rules engine
- Security

Profisee<sup>®</sup>

© 2008 Profisee Group, Inc.

### MDM Requirements, cont.

- Synchronization
- Merge/match
- Support analytical and operational systems
- Integration federation, SOA, third parties (e.g., D&B, GS1)
- "Data as a Service"

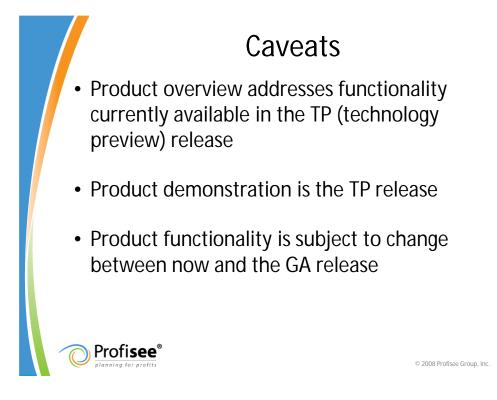


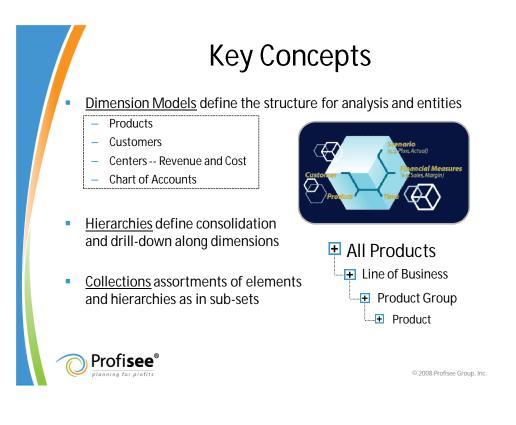
### **Presentation Agenda**

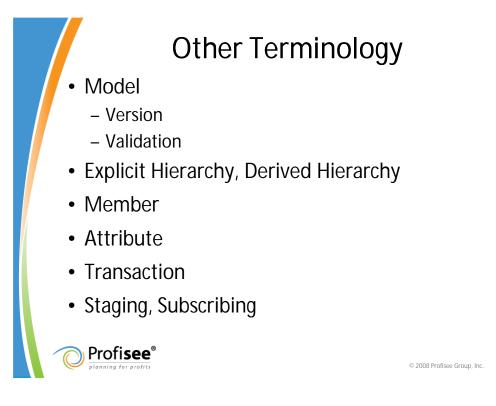
✓ MDM Overview

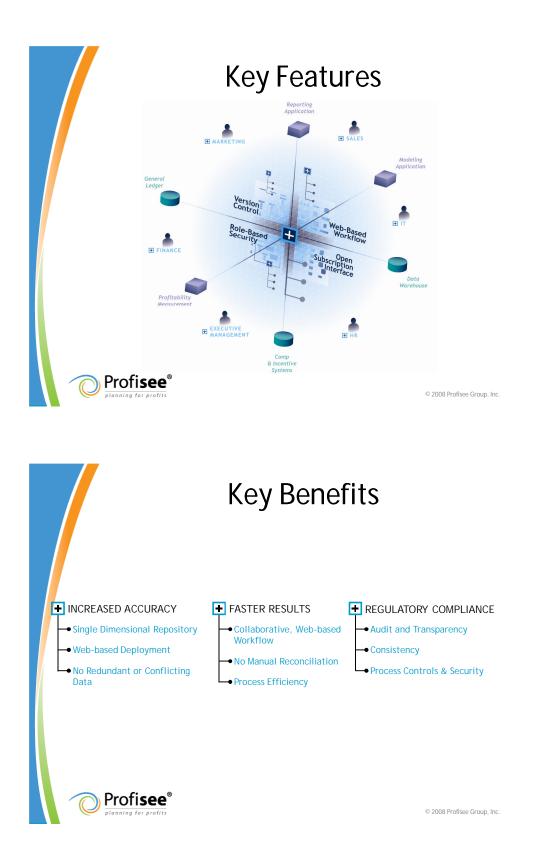
- Product Overview & Concepts
- Product Demonstration
- Microsoft MDM Roadmap & Resources
- Questions

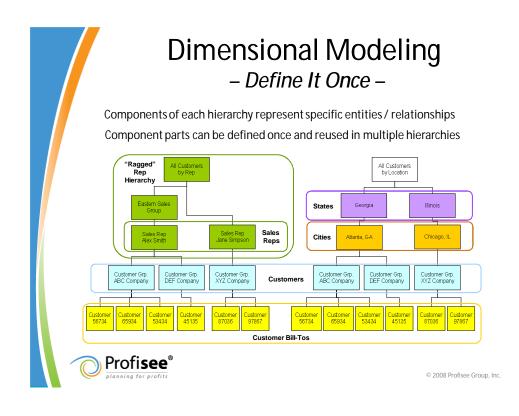
Profisee<sup>®</sup>

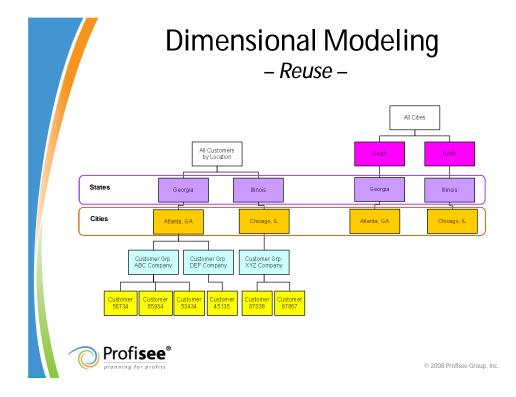




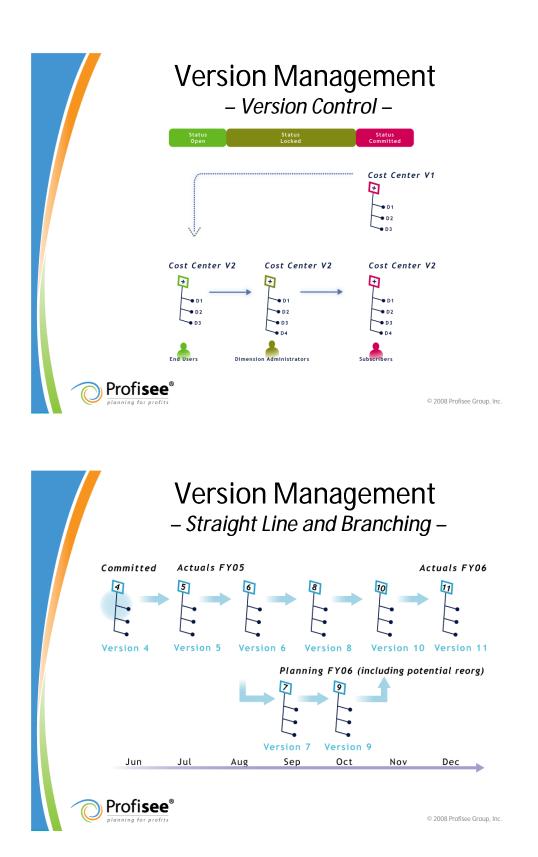




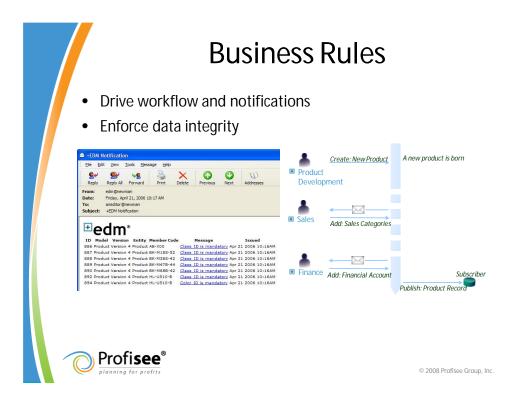




11



| Business Rules <ul> <li>Proactive data quality</li> <li>Serve requirements of subscribing systems</li> </ul>   |  |  |
|--|--|--|
| IF<br>*© Conditions<br>THEN<br>■ ■ Actions<br>■ must be between<br>■ Code<br>must be between<br>● Attribute value<br>and<br>● Attribute value<br>Attribute | ween          10000         -* select attribute         19999         -* select attribute         Image: Im | <ul> <li>Restrict ranges</li> <li>Generate and default values</li> <li>Concatenate or decompose fields</li> <li>Conditional logic</li> <li>Automatic mapping</li> <li>Drive attributes for rules</li> <li>Drive hierarchies automatically</li> </ul> |
| Profisee®  |  | © 2008 Profisee Group, Inc.  |



### **Presentation Agenda**

✓ MDM Overview

✓ Product Overview & Concepts

Product Demonstration

- Microsoft MDM Roadmap & Resources
- Questions

Profisee<sup>®</sup>

© 2008 Profisee Group, Inc

# Presentation Agenda

✓ MDM Overview

✓ Product Overview & Concepts

✓ Product Demonstration

Microsoft MDM Roadmap & Resources

• Questions



#### Resources

<u>http://www.microsoft.com/mdm</u>

- Product roadmap
- Articles
- Case studies
- <u>mdmvibe@microsoft.com</u>
  - TP signup
- <u>MSDN Forums</u> » <u>Master Data Management</u>

Profisee<sup>®</sup>

© 2008 Profisee Group, Inc.



- Schedule ("Bulldog")
  - TP Review (November, 2007)
  - TAP (projected first half of 2008)
  - CTP releases (first projected late 2008)
  - GA to coincide with the next version of Office
- Delivery Vehicle
  - Microsoft Office SharePoint Server



### **MDM Foundation**

- Built upon solid foundations of:
  - SQL Server,
  - Microsoft Office SharePoint Server,
  - Windows Communication Foundation,
  - ADO.Net Entity Data Model (EDM),
  - Integration Services,
  - BizTalk Server, and
  - other prominent Microsoft technologies

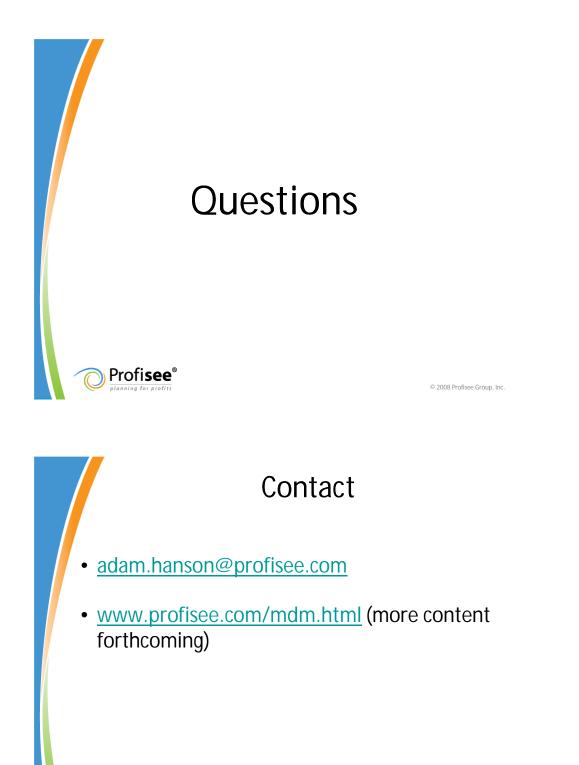


© 2008 Profisee Group, Inc.

# MDM Integration

- Integrated with core Microsoft Office Business
   Platform
  - PerformancePoint,
  - Dynamics,
  - Microsoft Office Excel, and
  - Microsoft Office SharePoint Server
- Plus key third party applications





Profisee<sup>®</sup>