

**One Enterprise:**  
How Semantics Supports Integrated Information & Processes

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ONE Enterprise™  
#1 in Enterprise Architecture  
& Metadata Management




**Goals of Presentation**

- Vision of ONE Enterprise
- Role of metadata, enterprise architecture
- Tying ONE Enterprise to business drivers
- Role of semantics in holding it all together
- Platform, tools and active services to support effective roll-out




**Business Goals**

- Transparency
  - Enterprise-wide business intelligence
  - Compliance with regulations and audit readiness
- Integration
  - Channel integration for inexpensive reliable channel sales
  - Internal process integration for efficiency and productivity
- Agility
  - Quicker IT response to changing business needs...
  - New products, new channels, new regulations, new processes
- Efficiency
  - Eliminate redundancy
  - Increase productivity




**Vision: ONE Enterprise**

Allow large organizations to compete as  
“ONE Enterprise”  
supporting enterprise-wide  
transparency, integration, agility & efficiency  
by managing IT resources and  
overlaying a common business architecture




**Why Now? Immediate Business Drivers**

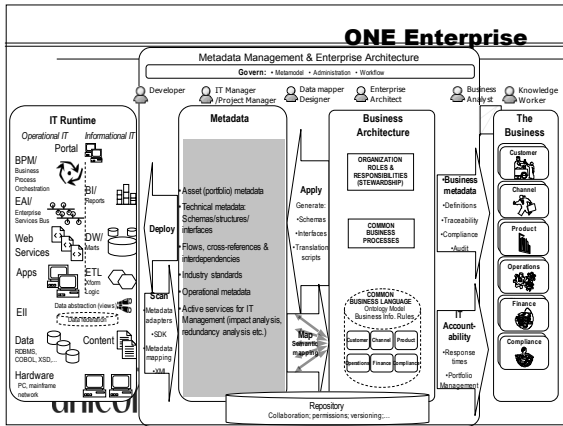
- Revenue growth – leverage channels & customers
  - Integration of channels – adoption of standards
  - Internal process integration
- Compliance
  - Compliant reports with traceability & auditability
  - SOX, Basel II,...
- Manage IT as a business
  - Business expects cost efficiency, accountability & responsiveness from IT



**Overlapping Categories**

- The enterprise *runtime* has been solved and commoditized
  - RDBMS, EAI/SOA, ETL, BI, EII,...
- Today's competitive differentiator is *architecture & management-time*:
  - ✓ **Metadata**
    - Know where data resources & other IT assets are
    - Track internal structures, flows and interdependencies
  - ✓ **Enterprise architecture (EA)**
    - Freedom to design enterprise information, processes
    - Adopt industry standards
  - ✓ **Semantic Enterprise Information Management (EIM)**
    - Find, query, transform, classify, reuse data based on business meaning
  - ✓ **Active IT management services**
    - Automate discovery, redundancy analysis, impact analysis
  - ✓ **Active design services**
    - Automate schema generation, transformation generation,...
    - Encourage designers to comply with enterprise standards





### ONE Enterprise – Lessons Learned

- Start with business pain points
  - E.g. integration, compliance, IT cost reduction
  - Build over time to enterprise-wide
- Tie to run-time technology adoption
  - SOA, EII
- Leverage industry standards
  - Already have industry consensus (e.g. ACORD)
- Must create cooperation between architecture and development teams
  - Emphasis on publishing metadata to developers
  - Active features to help developers

