

XBRL in Compliance Processes



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Abstract

- XBRL **Taxonomies** embedded within a **Service Oriented Architecture** (SOA) are effective across a wide range of **compliance processes** both within the enterprise and within the related supply chain. This talk will focus on XBRL Taxonomies and their impact on **applications** within the enterprise's compliance processes, both those mandated by law and those resulting from a disciplined approach to an enterprise's own business needs.

Definitions

- Taxonomies
 - Schemas plus other relationships among data
- Service Oriented Architecture
 - Registries of methods on web servers (at least)
- Compliance Processes
 - Establish that applicable rules were not broken
 - Mandated by law (e.g. report income tax)
 - Other discipline (e.g. monitor T&E variance)
- Applications
 - Everything from Spreadsheets to SAP

Compliance

- US: Sarbanes-Oxley Act
- CA: Bill 198
- UK: Combined Code
- UK: Turnbull report
- UK: Companies Bill
- FR: Loi de Securite Financiere
- DE: KonTraG
- DE: Code of Corporate Governance
- EU: Proposed Directive on Statutory Audit

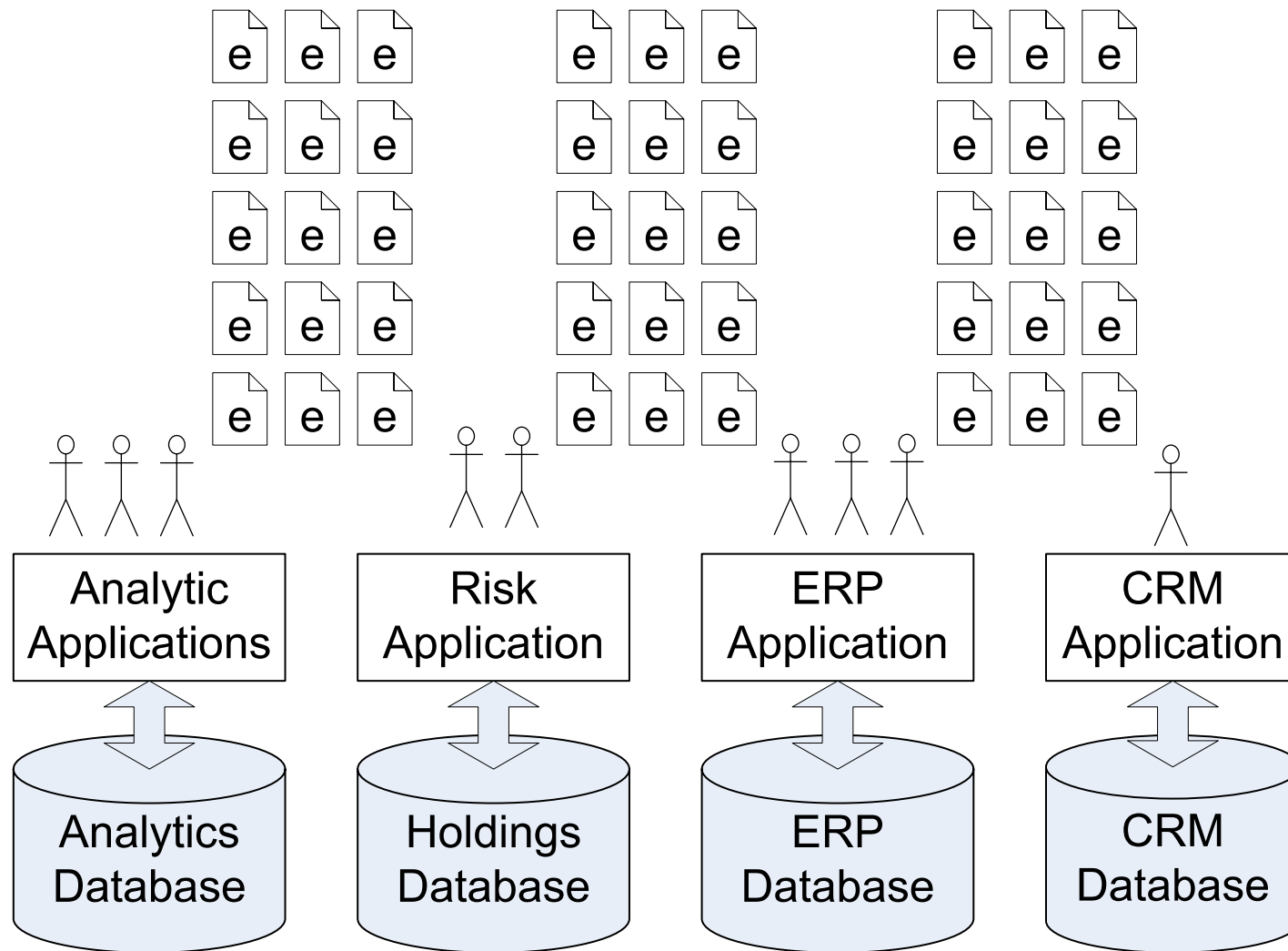
Compliance in the USA

- Adverse Events
- Advertising & Labeling
- Anti-boycott
- Anti-Kick back/Illegal Remuneration
- Anti-Money Laundering
- Anti-Trust
- Business Code of Conduct
- Code of Conduct
- Confidential Information
- Conflict of Interest
- Co-Promotion & Joint Ventures
- Corporate Integrity Agreement
- Credit Reporting
- Data Integrity & Privacy
- Drug Life Cycle Process
- EEOC
- Environmental Affairs
- False Claims
- Foreign Corrupt Practices
- Fraud & Abuse
- Government Contracting/Pricing
- HIPPA
- Medicaid Best Price
- Medical Affairs
- Medical Conferences
- Off-Label Promotion
- Product Quality Complaints
- Quality of Care
- Record Retention
- Safety / OSHA
- Sample Accountability
- Sarbanes - Oxley
- SEC Stock Transactions
- Sexual Harassment
- State Government Affairs
- Vendor Compliance Certification
- Workplace Diversity

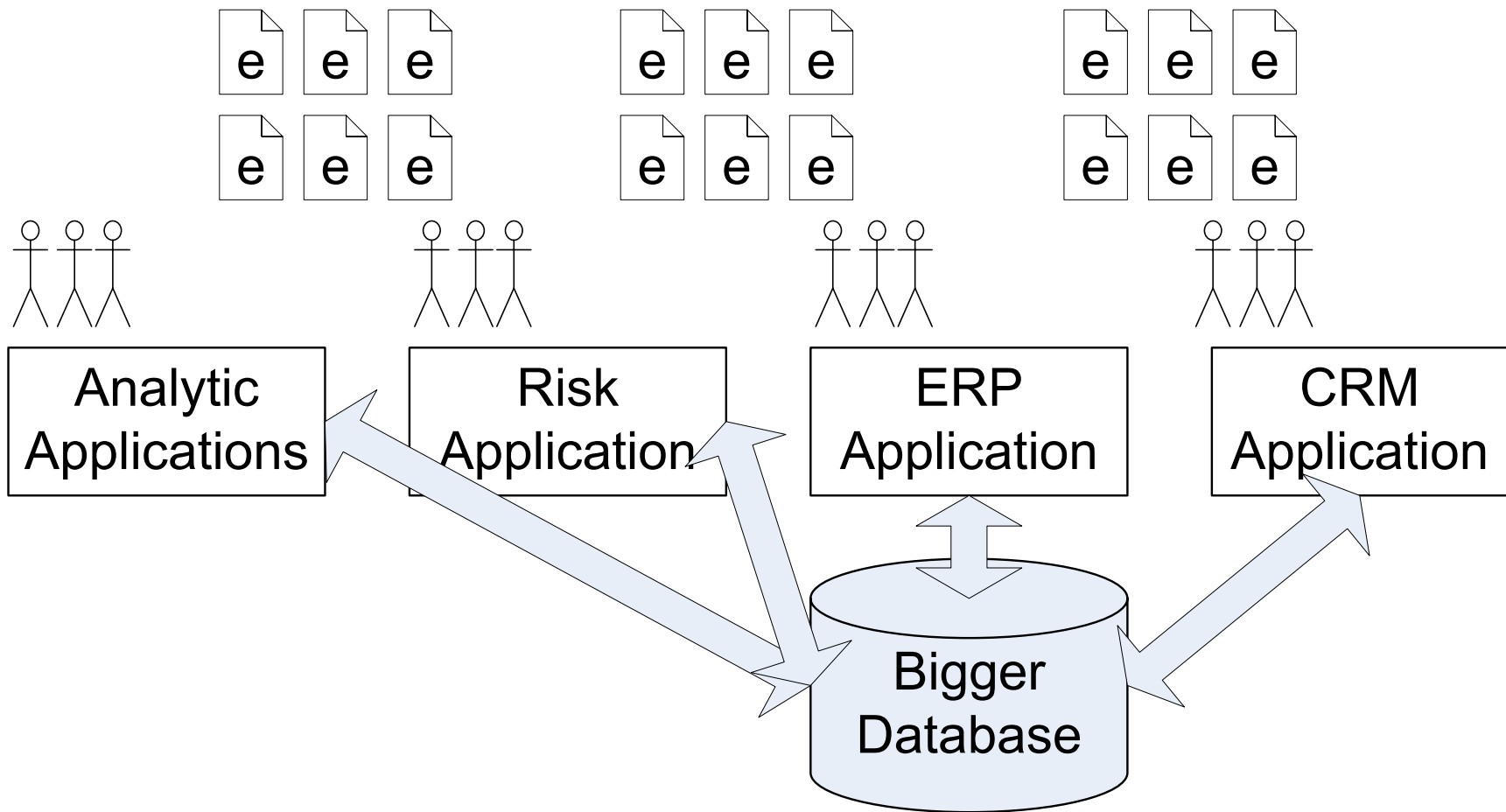
The Goal of Compliance and its logical process consequences

- **Compliance** → Built in Controls →
 - Less manual intervention
 - More programming
 - More privacy, authentication, access control, availability, integrity, nonrepudiation (PAAAIN)
 - More live data, fewer ad hoc data stores
 - More use of managed data, fewer files
 - Less end-user programming
 - More formal system development life cycle
 - Better engineered software
 - Less hard coding, more indirection
 - More queries to live data

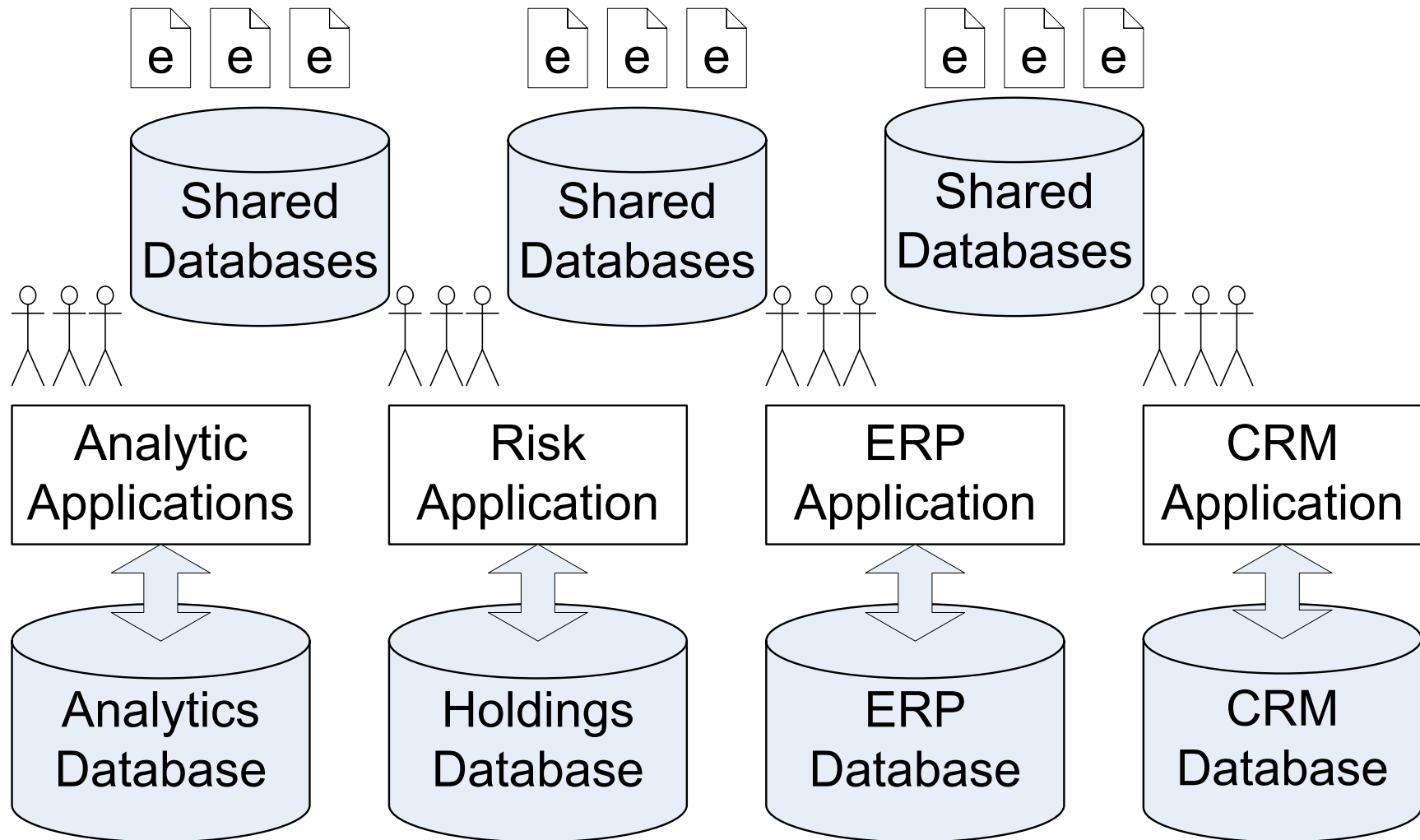
Typical Enterprise



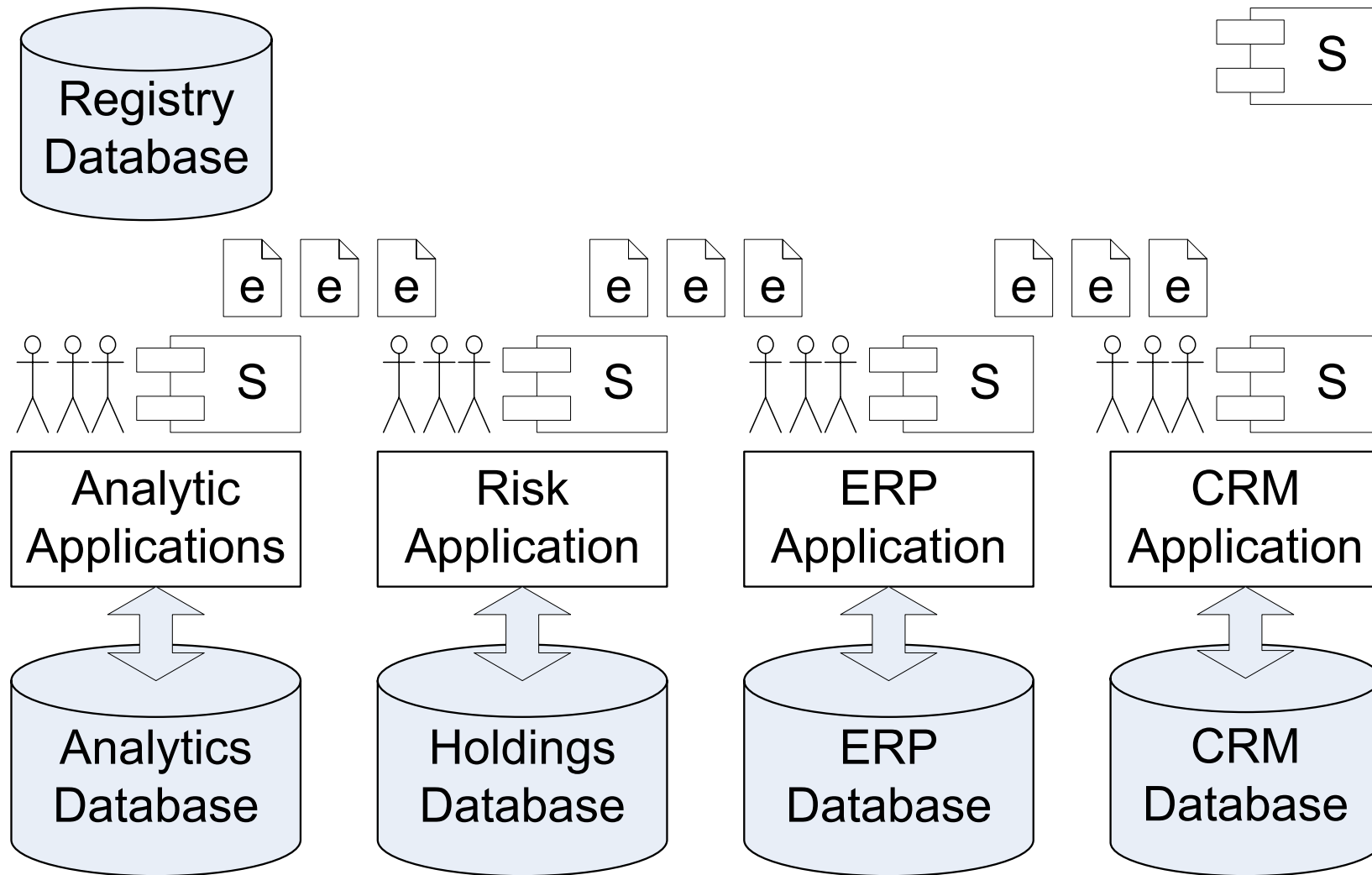
Solution #1



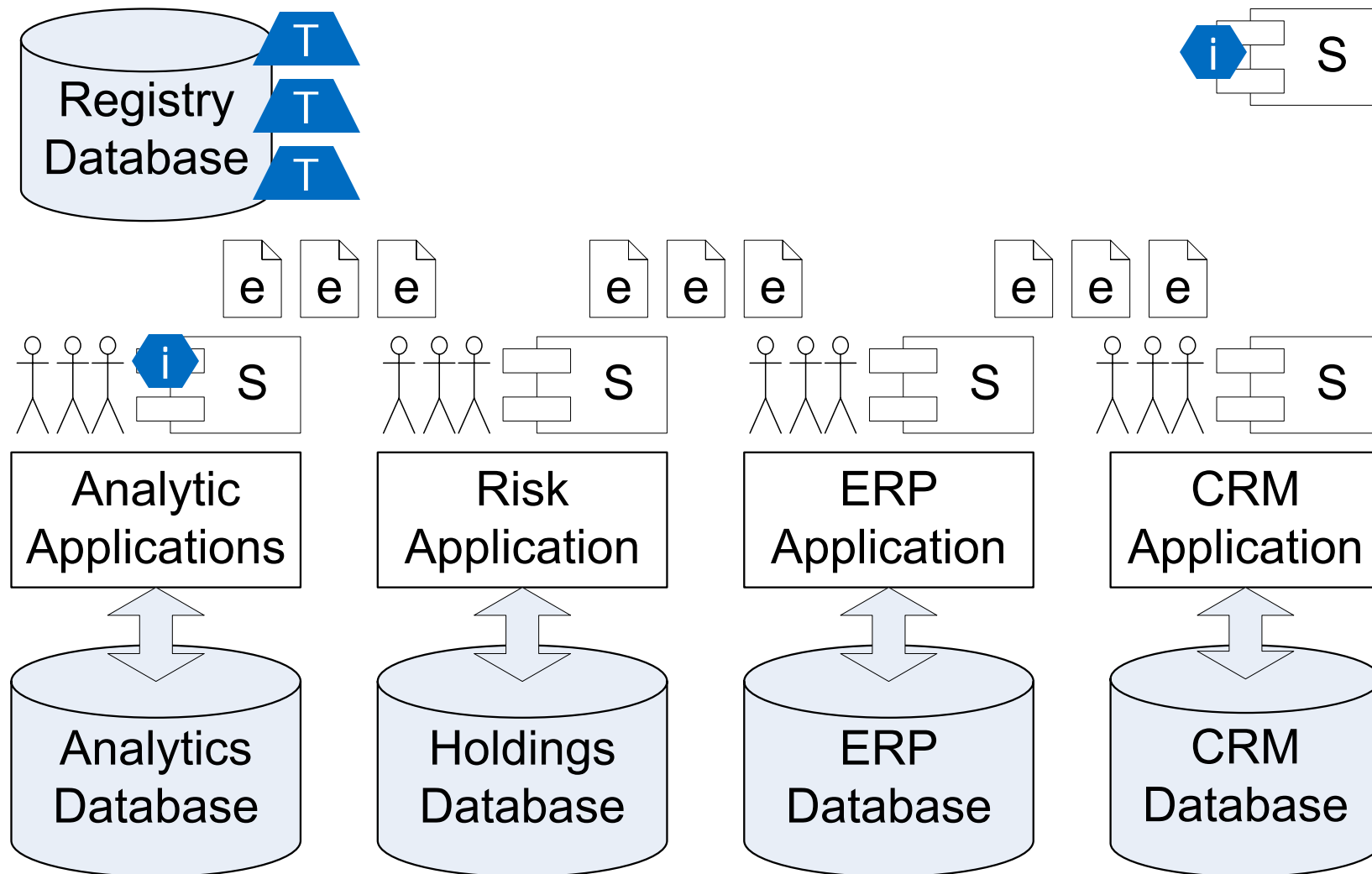
Solution #2



Solution #3



Role of XBRL in Solution #3



Taxonomies in an end-user ETL scenario

- Assume
 - A server where taxonomies (or simply schemas) are easy to read, and kept under change control
 - Taxonomies representing the main dimensions of data currently being shared via spreadsheets
 - Servers that respond to queries using taxonomy names by accessing native data stores
 - Spreadsheet plug-ins (modules define functions to use in formulas) to read taxonomies and get data from data sources by name

Example

