CWM Standards

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Standards Drive Stability

- 1996: Dozens of A&D notations, few tools, little training, little uptake
- 1998: One notation (UML), many tools, lots of training, widespread use

OMG’s open, neutral standards process created a single, worldwide modeling standard, leading to market stability and widespread use.
Standards Drive Integration

- UML is not standalone, but delivered with relevant layered standards:
  - Meta Object Facility (MOF)
  - XML Metadata Interchange (XMI)
  - CWM: The Data Warehousing Standard

A natural companion to OMG infrastructure standards (e.g., CORBA), a building block for application standards.
Standards Drive Best Practice

- The CWM standard allows
  - Best-of-breed integration, managing data enterprise-wide
  - Lower training costs and risks
  - Tool reuse, better amortization of development costs
The Metadata problem

CWM addresses a problem facing every enterprise

- Many databases
- Many repositories
- Many schemas describing "same" data
- Moving data requires manual schema transformation
CWM: integrating the enterprise

- CWM provides the standard
  - integrates existing data models
  - maps to existing schemas
  - supports automated schema generation
  - supports automated database loading
  - the basis for data mining and OLAP across the enterprise