

MDM-04 MDM Architecture and Implementation

MDM-04-00 About the Course (7 min)

MDM-04-01 Introduction (30 min)

- MDM Overview
- What is MDM?
- Typical MDM Subject Areas
- Modes of MDM Operation
- The MDM Journey
- Challenges to Implementing MDM
- Tangible Deliverables of MDM
- Example
- MDM ... uh ... CDI is Getting Mainstream Recognition
- Types of Vendors
- CDI Hub Software Revenue

MDM-04-02 MDM Architecture (79 min)

- Architecture Approaches
 - Information Architecture
 - Master Data Landscape
 - Data Warehouse as Master (Default)
 - Separate MDM Hub
 - Synchronization
 - Pros and Cons of the Approaches
 - Hybrid Architecture
 - Architectural Guidelines
 - Wither the Data Warehouse?
- Conforming Dimensions for the Enterprise
 - Conformed Dimensions in the Data Warehouse
 - Elements of a Master File
 - Model Development: Common Semantics
 - Working with Pre-Built Data Models
- Business Process Workflows
 - Workflow Components
 - Sample Workflow
- Data Quality
 - MDM and Data Quality
 - Consider these Business Imperatives
 - Investments in Data Quality
 - Iterate Data Quality Improvement
 - Data Quality Scoring
- Data Quality Case Example
 - Data Quality Investment
 - Data Quality Improvement
 - Costs and Benefits
 - Outcome
 - Steps to Data Quality Success

- Syndicated Data
 - Why Do We Need Syndicated Data?
 - What is Syndicated Data?
 - Reverse Append
 - Matching and Consolidation
 - Syndicators
 - Data Available from Syndicators
- Architecting Syndicated Data
 - Syndicated Data Sources
 - Syndicated Data is Still Data
 - Syndicated Data Best Practices
 - Architecture Best Practices
 - Derivation and Quality
 - Syndicated Sourcing
 - Questions for Syndicators
 - Score the Match

MDM-04-03 MDM Tool Selection (49 min)

- Request for Information and Request for Proposal
 - To Shortlist
 - Vendor Profiles
 - Relevant Dimensions of Requirements
 - Shop Considerations
 - Less Important
 - Best Practice Recommendations
 - Ground Rules for Success
 - Categories
 - Costing Category
 - Next Steps after Shortlist
- Proof of Concept and Final Selection
 - Best Practice Recommendations
 - Sample Scoring
 - Customer Scenarios
 - Product Scenarios
 - Other Scenarios
 - MDM Software Pricing

MDM-04-04 Planning for Success (77 min)

- MDM Project Management
 - Planning Phase
 - Design Phase
 - Test Strategy
 - Data Migration Plan
 - Non-Functional Requirements
 - Functional Design
 - Development Phase
 - Integration Phase
- MDM Project Roles and Responsibilities
 - Project Sponsor
 - Program Manager

- Business Analyst
- Lead Architect
- MDM Architect
- MDM Developer
- MDM Database Administrator
- MDM QA Analyst
- Data Governance
- Organizing and Planning for MDM Success
 - Organizational MDM Program Components
 - Roles & Responsibilities of the Data Steward
 - Common Tasks of the Data Steward
 - Business Participation
 - MDM Maturity
- Case Study
 - Company Environment
 - Reference Data
 - Project Objectives
 - Project Justification
 - Project Timeline
 - Project Challenges
 - MDM Environment
 - Lessons Learned
 - To Be Done