

Module One

Architecture Concepts

- Architecture Defined
 - What is Data Warehousing Architecture?
 - Terminology Check
- Architecture & Methodology Working Together
 - Compatibility and Dependency
- Data Architecture
 - Data Structure
 - Data Flow
 - Data Integration
- Project Architecture
 - Top-Down vs. Bottom-Up
 - Hybrid Approaches
 - Kinds of Deliverables & Frequency of Delivery
- Architecture & Methodology Selection Factors
 - Overview
 - Strategic vs. Tactical Decision Support
 - Integration of Data
 - Structure of Data
 - Consistency of Metadata and Business Rules
 - Scalability and Expanding Scope
 - Persistence of Data
 - Sustainability and Adaptability to Change
 - Technology Requirements
 - Staffing and Skills Requirements
 - Time to Delivery
 - Cost to Deploy
 - Cost to Operate
 - Using the Factors
- Common Architectures and Approaches
 - Enterprise-Oriented Approaches
 - Data Mart-Oriented Approaches
 - Federated & Hybrid Approaches
 - Hybrid Example – Business Intelligence Roadmap
 - Twelve Factors Assessment

Module Two

Enterprise-Oriented Approaches

- Corporate Information Factory
 - Architecture Overview-Variation A
 - Architecture Overview-Variation B
 - Methodology Overview
 - Twelve Factors Assessment
 - For More Information
- Step-by-Step Data Warehousing
 - Architecture Overview
 - Full Methodology Overview
 - Project Methodology Overview
 - Twelve Factors Assessment
 - For More Information
- The BI Pathway[®] Approach
 - Business Intelligence Architecture Overview
 - Data Integration Architecture Overview

- Methodology Overview
- Twelve Factors Assessment
- For More Information

Module Three

Data Mart-Oriented Approaches

- Data Warehouse Lifecycle
 - Architecture Overview
 - Methodology Overview
 - Twelve Factors Assessment
 - For More Information
- Rapid Data Marts
 - Architecture Overview
 - Methodology Overview
 - Twelve Factors Assessment
 - For More Information
- Collective Architecture Data Marts
 - Architecture Overview
 - Methodology Overview
 - Twelve Factors Assessment
 - For More Information

Module Four

Federation & Hybrid Approaches

- Federation
 - Architecture Overview
 - Methodology Overview
 - Twelve Factors Assessment
 - For More Information
- Hybrid Methods
 - Architecture Overview
 - Methodology Overview
- Hybrid Example – Business Intelligence Roadmap
 - Methodology Overview
 - Methodology Steps
 - Twelve Factors Assessment
 - For More Information

Module Five

Architecture and Methodology Decisions

- Methodology Selection
 - Evaluation Criteria
- Architecture Selection
 - Architecture and Methodology Assessment
 - Organizational & Environmental Factors
- Conclusions
 - Implications for Methodology, Technology, Project Mgmt., & ROI
 - Some Guidelines
 - Designing and Implementing a Unique Hybrid Approach

Appendices

Appendix A – Data Warehousing Methodology Articles

- Evaluating Data Warehousing Methodologies: Objectives and Criteria
- Evaluating Data Warehousing Methodologies: An Evaluation Process

- Implementing Data Warehousing Methodologies: Guidelines for Success

Appendix B – Twelve Factor Assessments

- Corporate Information Factory
 - Twelve Factors Assessment
- Step-by-Step Data Warehousing
 - Twelve Factors Assessment
- BI Pathway
 - Twelve Factors Assessment
- Data Warehouse Lifecycle
 - Twelve Factors Assessment
- Rapid Data Marts
 - Twelve Factors Assessment
- Collective Architecture Marts
 - Twelve Factors Assessment
- Federation
 - Twelve Factors Assessment
- Hybrid Methods
 - Twelve Factors Assessment

Appendix C - Bibliography and References