

TDWI Data Warehouse Automation: Better, Faster, Cheaper ... You Can Have It All

Course Outline

Module 1 – Data Warehouse Automation Concepts and Principles

- Data Warehouse Automation Basics
 - Data Warehouse Automation Defined
 - Automated vs. Handcrafted
 - Automation vs. Customization
 - Data Warehouse Automation vs. CASE
- Why Data Warehouse Automation?
 - Business Benefits
 - Technical Benefits
 - Barriers and Resistance
- The Foundation
 - Components of Data Warehousing
 - Data Warehousing Projects
 - Design Patterns
- Activities and Deliverables
 - Data Warehousing Processes
 - What Can You Automate?
- The Technology Landscape
 - Automation Tools and Vendors

Module 2 – Building and Managing the Data Warehouse

- The Data Warehousing Lifecycle
 - A Closed Loop
 - Architecture and Planning
 - Implementation
 - Deployment and Operations
- Building the Data Warehouse
 - Requirements Driven Development
 - Modeling and Metadata Driven Development
 - Discovery Driven Development
 - Data Driven Development
- Managing the Data Warehouse
 - Operations
 - Monitoring and Tuning
 - Maintenance and Change
 - Evolution and Change
 - Support

Module 3 – Using Data Warehouse Automation

- Automation Use Cases
 - Building an New Data Warehouse

- Building Dependent Data Marts
- Building Dimensional Data Marts
- Conforming Independent Data Marts
- Data Warehouse Prototyping
- Agile Data Warehousing
- Data Warehouse Migration
- Re-Architecting the Data Warehouse
- Warehouse Management Use Cases
- Case Studies
 - ABInBev
 - Direct Relief
 - Kaiser Permanente/Group Health
 - Hall Hunter Partnership
 - Intelsat
 - Nedap N.V.
 - Poly-Wood, LLC

Module 4 – Data Warehouse Automation in Action

- Attunity Compose in Action
 - Product Overview
- Magnitude Software Kalido in Action
 - Product Overview
- TimeXtender in Action
 - Product Overview
- WhereScape in Action
 - Products Overview

Module 5 – Getting Started with Data Warehouse Automation

- Step by Step
 - A Process for Automation
- Human Factors
 - People and Automation
- New Horizons
 - Automation and Data Warehousing Trends
- Next Steps
 - Making Your Plans

Appendix A - Bibliography and References