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

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

Module 4 – Data Warehouse Automation in Action

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

Module 5 – Getting Started with Data Warehouse Automation

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

Appendix A - Bibliography and References

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With Intelligence™**