KOENIG SOLUTIONS · COURSE OUTLINE

Data Vault: Link Modeling & Satellite Design

Learn to design Data Vault links and satellites for events, context, big data and privacy requirements in an enterprise data warehouse.

13
MODULES

12
TOPICS

COURSE OVERVIEW

This course covers modeling events and context arrays with links and satellites, and extends this to big data, cloud and streaming deployments. It addresses unit-of-work modeling for both event-based and keyed-instance scenarios, along with address modeling and business key handling in an EDW, including Anchor and Focal alternatives. It also covers the shuttle for fuzzy integration, satellite business object key design, and modeling for personally identifiable information and privacy. The course closes with RAW and Business Data Vault architecture, Ensemble Logical Form with virtualisation, and a play book for modeling automation.

WHO THIS COURSE IS FOR

- **Data Modelers**
- **Data Architects**
- **Data Warehouse Developers**
- **ETL Developers**
- **Data Engineers**

LEARNING OBJECTIVES

- Explain the role of links in modeling events
- Describe the impact of context arrays on satellite design
- Apply modeling approaches for big data, cloud and streaming platforms
- Compare event-based and keyed-instance unit-of-work modeling
- Analyse business key placement when an enterprise key is lacking
- Design the shuttle structure for fuzzy integration scenarios
- Apply satellite business object key techniques such as degenerate keys
- Plan an architecture for RAW and Business Data Vault deployment

COURSE SYLLABUS

13 Modules, 12 Topics

01

Modeling Events

TOPICS

The role of links

02

Modeling Context Arrays

TOPICS

Impact on satellite design

03

Modeling for Big Data, Cloud & Streaming Deployments

TOPICS

Leveraging new platforms

04

Modeling UOW - Event Based UOW

TOPICS

Advanced link design

05

Modeling UOW - Keyed Instance UOW

TOPICS

Hubs vs links

06

Modeling Address

TOPICS

Context close to key

07

Modeling the BK in an EDW

TOPICS

- Dealing with lack of Enterprise Key - also include Anchor/Focal alternatives

08

Modeling the Shuttle for Fuzzy Integration

TOPICS

Dealing with realistic integration

09

Modeling the SAT BOK

TOPICS

Alternate, degenerate keys, etc.

10

Modeling for Personally Identifiable Information and Privacy (PID)

11

Architecture - Defining and Deploying the RAW and BDV

TOPICS

Establish approach

12

Ensemble Logical Form (ELF) and Virtualization

TOPICS

In memory

13

Modeling Automation - the Play Book

TOPICS

How and when to automate

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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