



EduConnHub

Data Vault Mastery

Modernizing Data Warehousing for Advanced Analytics

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Agenda

I. DWH INTRODUCTION

- 1) THE ENTERPRISE DATA WAREHOUSE ENVIRONMENT
- 2) INTRODUCTION TO DATA VAULT
- 3) DATA WAREHOUSE ARCHITECTURE

II. SCALABLE DATA WAREHOUSE ARCHITECTURE

- 1) Data Vault 2 ARCHITECTURE
- 2) EXTENSION OF Data Vault 2 ARCHITECTURE

III. THE Data Vault 2 METHODOLOGY

- 1) PROJECT PLANING
- 2) PROJECT EXECUTION
- 3) REVIEW AND IMPROVEMENT

IV. THE DATA VAULT MODELLING

- 1) Data Vault 1
- 2) Data Vault 2 MODELLING
- 3) Data Vault 2 APPLICATION
- 4) Data Vault 2 FLEXIBILITY

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V. THE DATA VAULT IMPLEMENTATION

- 1) Data Vault 2 MODELLING EXAMPLE
- 2) Data Vault 2 LOAD PATTERNS
- 3) Data Vault 2 PHYSICAL ETL LOAD
- 4) Data Vault 2 HASH KEY & PARALLEL LOADING

VI. DIMENSIONAL MODELING

- 1) STAR SCHEMAS
- 2) MULTI STAR SCHEMAS
- 3) DIMENSION DESIGN

VII. MASTER DATA MANAGEMENT

- 1) MASTER DATA MANAGEMENT ARCHITECTURE
- 2) MASTER DATA MANAGEMENT DEVELOPMENT STEP

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VIII. META DATA MANAGEMENT

1) META DATA TYPE

1) META DATA CAPTURING

IX. MULTIDIMENSIONAL DATABASE

X. DATA WAREHOUSE PLATFORM

1) Data Vault 2™ TECHNOLOGY LANDSCAPE

2) IBM DATA & ANALYTICS PRODUCT OVERVIEW

3) AWS DATA & ANALYTICS PRODUCT OVERVIEW

XI. PRACTICES

1) LOAD SOURCE TO DATAVAULT1

2) LOAD SOURCE TO DATAVAULT2

3) LOAD DATAVAULT TO DATAMART

4) INTEGRATION WITH SSIS

5) CREATE MOLAP DATA CUBE WITH SSAS