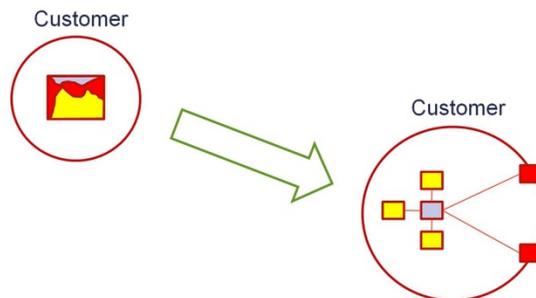


Course Description

DATA VAULT INTRODUCTION

Data Vault Modeling Introduction



GENESEE ACADEMY, LLC

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DATA VAULT INTRODUCTION

Data Vault Modeling Introduction

Overview

Data Vault modeling is quickly becoming the standard approach for modeling the data warehouse. Compared to other popular approaches, data vault modeling represents a paradigm shift – a new way of thinking. Realizing the full benefits of this approach means embracing this new paradigm in its entirety.

This course is intended to cover an initial introduction into the data vault modeling approach. During this half day course we cover the topics of what is data vault, how does it look, how does it work, what are the parts that make up data vault, what are the benefits of using this approach and how do we apply data vault to our own data warehouse program.

Course Description

This is an introduction course on data vault modeling. It covers an overview of data vault with the goal of achieving an understanding of the modeling approach and how it can be applied in the data warehouse program.

Topics covered include understanding of what is data vault? How does a data vault model look? How does it work? Next this course covers the modeling components of the data vault – the Hub, Link and Satellite. Then also a discussion on the benefits of using this approach and some guidelines as to how we can apply data vault modeling to our own data warehouse program. In addition this course covers data warehousing business intelligence considerations that support these techniques as well as some practical modeling topics.

This course consists of two (2) components: The one half day classroom course and the course materials.

Classroom course half day

Lectures

Lab

Course materials

Class presentation deck

Lab book

All components are designed to work together by communicating a consistent and clear message concerning the fundamentals of data vault modeling.

Classroom Course Half Day

The classroom day is scheduled in a location that includes table space for each student to work, white board or flip charts, and a presentation projector used during the lectures. The classroom half day is engaging and interactive with the students. The course includes lectures and a case lab.

The classroom course runs 09:00 to 12:30. Students arrive for coffee and introductions beginning at 08:30. Class starts promptly at 09:00. The classroom course schedule:

08:30	Arrive, Coffee and Introductions
09:00	Lecture: Introduction to Data Vault <i>What is Data Vault? When to use it, how it differs from other approaches (pros and cons), why we need it, the benefits.</i>
09:30	Data Vault and the Hubs, Links and Satellites <i>The foundation of Data Vault, Colors analysis, Forming the Backbone, The EDW and Tracking History.</i>
10:10	BREAK
10:20	Hub Topics <i>Understanding the Hub and modeling the business key, core business concept, planning for and dealing with key integration.</i>
10:40	Link Topics <i>Natural Business Relationship, Business versus Source driven, Understanding Transactions, Meet Peter, Link design considerations.</i>
11:00	Satellite Topics <i>Context for the Key, Designing Satellites, Tracking History and design considerations.</i>
11:20	Case: Lab Exercise <i>Students complete Lab Exercise, Present, Discuss, Q&A.</i>
12:20	Recap, Closing Discussions, Q&A
12:30	Class is Completed.

Course Materials

This course includes detailed course materials to help support the learning process. Beyond the classroom, several of the items are intended to be used as references and guides to support your ongoing data vault efforts. Materials for this course include:

Class Presentation Deck	Printed and bound 30 pages.
Lab	Printed packet 6 pages.

Target Audience

This course is intended for business intelligence and data warehousing professionals. The class is intended for those seeking a strong introduction to data vault modeling. In addition, the course is well suited for those who have heard about data vault and who are interested in learning what it means.

Data Modelers, Information Modelers, Data Architects, Information Architects, Business Analysts, Business Intelligence and Data Warehousing managers, designers, project leads and project owners, DW DBAs, Data Mart designers, Integration Experts, ETL Developers, and Functional Area Representatives.

Because the data vault concepts are closely aligned to the business, those working DWBI from both business and technical perspectives will benefit equally from this course.

Logistics and Fees

All students should be enrolled at least one (1) week before the classroom course half day. Please plan for this lead time in your schedule when you register for the course.

Plan to arrive to the training location by 08:30 for the classroom course day. For planning purposes the end of class is 12:30 however it is typical that students have questions after the end of class. The instructor is available until 13:30 to discuss questions.

Location specific logistics and course fees for your class can be found here:

www.GeneseeAcademy.com/course-schedule