Data Warehousing on AWS

Duration: *3 Day(s)*

Course Overview

In this course, you will learn new concepts, strategies, and best practices for designing a cloud-based data warehousing solution using Amazon Redshift, the petabyte-scale data warehouse in AWS. You will learn how to collect, store, and prepare data for the data warehouse by using other AWS services such as Amazon DynamoDB, Amazon EMR, Amazon Kinesis Firehose, and Amazon S3. Additionally, this course demonstrates how to use business intelligence tools to perform analysis on your data.

Review this course online at https://www.alta3.com/courses/AWS-DBDWOA

Objectives

- Design a scalable data warehousing solution using AWS Redshift.
- Implement data collection, storage, and preparation using AWS services.
- Analyze data with business intelligence tools for informed decision-making.
- Understand best practices and strategies for data warehousing on AWS.

Who Should Attend

- Database architects
- Database administrators
- Database developers
- Data analysts and scientists

Prerequisites

AWS Technical Essentials, familiarity with relational databases and database design concepts

Course Outline

Lesson 1: Course Introduction

Lesson 2: Introduction to Data Warehousing

Lesson 3: Introduction to Amazon Redshift

Lesson 4: Understanding Amazon Redshift Components and Resources

Lesson 5: Launching an Amazon Redshift Cluster

Lesson 6: Reviewing Data Warehousing Approaches

Lesson 7: Identifying Data Sources and Requirements

Lesson 8: Designing the Data Warehouse

Lesson 9: Loading Data into the Data Warehouse

Lesson 10: Writing Queries and Tuning Performance

Lesson 11: Maintaining the Data Warehouse

Lesson 12: Analyzing and Visualizing Data

Lesson 13: Course Summary