Course Duration: 16 hours (2 Days)

Amazon QuickSight

In this course, you will build a data visualization solution using Amazon QuickSight. QuickSight allows everyone in your organization to understand your data by exploring through interactive dashboards, asking questions in natural language, or automatically looking for patterns and outliers powered by machine learning. This course focuses on connecting to data sources, building visuals, designing interactivity, and creating calculations. You will learn how to apply security best practices to your analyses.

Course objectives

By the end of this course, participants will be able to:
- Explain the benefits, use cases, and key features of Amazon QuickSight
- Design, create, and customize QuickSight dashboards to visualize data and extract business
- insights from it
- Select and configure appropriate visualization types to identify, explore, and drill down on business
- insights
- Describe how to use one-click embed to incorporate analytics into applications
- Connect, transform, and prepare data for dashboarding consumption
- Perform advanced data calculations on QuickSight analyses
- Describe the security mechanisms available for Amazon QuickSight
- Apply fine-grained access control to a dataset

Prerequisites

- Completed AWS Cloud Practitioner Essentials, or AWS Technical Essentials, and Architecting on AWS.
- Familiarity with Data Analytics concepts

Target Audience
- Data Analysts
- Business Analysts

Course outline

Module 1: Introduction and Overview of Amazon QuickSight

• Introducing Amazon QuickSight

• Why use Amazon QuickSight for data visualization

Module 2: Getting Started with Amazon QuickSight

• Interacting with Amazon QuickSight

• Loading data into Amazon QuickSight

• Visualizing data in Amazon QuickSight

• **Handson Lab:** Create your first dashboard

Module 3: Enhancing and Adding Interactivity to Your Dashboard

• Enhancing your dashboard

• Enhancing visualizations with interactivity

• **Handson Lab:** Enhancing your dashboard

Module 4: Preparing Datasets for Analysis

• Working with datasets

• **Handson Lab**: Preparing data for analysis

Module 5: Performing Advanced Data Calculations

• Transform data using advanced calculations

• **Handson Lab**: Performing advanced data calculations

Module 6: Overview of Amazon QuickSight Security and Access Control

• Overview of Amazon QuickSight security and access control

• Dataset access control in Amazon QuickSight

• **Handson Lab**: Implementing access control in Amazon QuickSight visualizations