

AWS Certified Data Analytics Specialty (DAS-C01)

Introduction

The AWS Certified Data Analytics - Specialty (DAS-C01) examination is intended for individuals who perform in a data analytics-focused role. This exam validates an examinee's comprehensive understanding of using AWS services to design, build, secure, and maintain analytics solutions that provide insight from data.

It validates an examinee's ability to:

- Define AWS data analytics services and understand how they integrate with each other.
- Explain how AWS data analytics services fit in the data lifecycle of collection, storage, processing, and visualization.

Course Objective

This course teaches you about core aspects such as:

- Understanding AWS data analytics services
- Integration of AWS with other services
- Understanding how AWS data analytics services fit in the data life cycle of collection, storage, processing, and visualization
- Understanding VPC and its purpose

Course Outline

Domain 1: Collection

- 1.1 Determine the operational characteristics of the collection system
- 1.2 Select a collection system that handles the frequency, volume, and source of data
- 1.3 Select a collection system that addresses the key properties of data, such as order, format, and compression

Domain 2: Storage and Data Management

- 2.1 Determine the operational characteristics of a storage solution for analytics
- 2.2 Determine data access and retrieval patterns
- 2.3 Select an appropriate data layout, schema, structure, and format
- 2.4 Define a data lifecycle based on usage patterns and business requirements
- 2.5 Determine an appropriate system for cataloging data and managing metadata

Domain 3: Processing

- 3.1 Determine appropriate data processing solution requirements
- 3.2 Design a solution for transforming and preparing data for analysis
- 3.3 Automate and operationalize a data processing solution

Domain 4: Analysis and Visualization

- 4.1 Determine the operational characteristics of an analysis and visualization solution
- 4.2 Select the appropriate data analysis solution for a given scenario
- 4.3 Select the appropriate data visualization solution for a given scenario

Domain 5: Security

- 5.1 Select appropriate authentication and authorization mechanisms
- 5.2 Apply data protection and encryption techniques
- 5.3 Apply data governance and compliance controls

Prerequisites

- A minimum of 5 years of experience with common data analytics technologies
- At least 2 years of hands-on experience working on AWS
- Experience and expertise working with AWS services to design, build, secure, and maintain analytics solutions

Target Audience

Although this certification exam can be taken by anyone who desires to upskill their knowledge and skills, however, some of the titles which must have this certification are given below:

- Professionals working around data analytics
- Professionals willing to dig deep into Big data analytics
- Business analysts
- Project managers
- Professionals with Research & Development roles

Duration

- 24 Hours Training Course