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.

Recommended AWS Knowledge

- 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

Exam Content

Response Types
There are two types of questions on the examination:

- **Multiple choice:** Has one correct response and three incorrect responses (distractors).
- **Multiple response:** Has two or more correct responses out of five or more options.

Select one or more responses that best complete the statement or answer the question. Distractors, or incorrect answers, are response options that an examinee with incomplete knowledge or skill would likely choose. However, they are generally plausible responses that fit in the content area defined by the test objective.

Unanswered questions are scored as incorrect; there is no penalty for guessing.

Unscored Content
Your examination may include unscored items that are placed on the test to gather statistical information. These items are not identified on the form and do not affect your score.

Exam Results
The AWS Certified Data Analytic - Specialty (DAS-C01) examination is a pass or fail exam. The examination is scored against a minimum standard established by AWS professionals who are guided by certification industry best practices and guidelines.

Your results for the examination are reported as a score from 100–1,000, with a minimum passing score of 750. Your score shows how you performed on the examination as a whole and whether or not you passed. Scaled scoring models are used to equate scores across multiple exam forms that may have slightly different difficulty levels.

Your score report contains a table of classifications of your performance at each section level. This information is designed to provide general feedback concerning your examination performance. The examination uses a compensatory scoring model, which means that you do not need to "pass" the individual sections, only the overall examination. Each section of the examination has a specific weighting, so some sections have more questions than others. The table contains general information, highlighting your strengths and weaknesses. Exercise caution when interpreting section-level feedback.

Content Outline
This exam guide includes weightings, test domains, and objectives only. It is not a comprehensive listing of the content on this examination. The table below lists the main content domains and their weightings.

Domain	% of Examination
Domain 1: Collection	18%
Domain 2: Storage and Data Management	22%
Domain 3: Processing	24%
Domain 4: Analysis and Visualization	18%
Domain 5: Security	18%
TOTAL	**100%**

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