

Introduction

The AWS Certified Database - Specialty (DBS-C01) examination is intended for individuals who perform in a database-focused role. This exam validates an examinee's comprehensive understanding of databases, including the concepts of design, migration, deployment, access, maintenance, automation, monitoring, security, and troubleshooting.

It validates an examinee's ability to:

- Understand and differentiate the key features of AWS database services.
- Analyze needs and requirements to design and recommend appropriate database solutions using AWS services.

Recommended AWS Knowledge

- A minimum of 5 years of experience with common database technologies
- At least 2 years of hands-on experience working on AWS
- Experience and expertise working with on-premises and AWS Cloud-based relational and NoSQL databases

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 Database - Specialty (DBS-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: Workload-Specific Database Design | 26% |
| Domain 2: Deployment and Migration | 20% |
| Domain 3: Management and Operations | 18% |
| Domain 4: Monitoring and Troubleshooting | 18% |
| Domain 5: Database Security | 18% |
| TOTAL | 100% |

Domain 1: Workload-Specific Database Design

- 1.1 Select appropriate database services for specific types of data and workloads
- 1.2 Determine strategies for disaster recovery and high availability
- 1.3 Design database solutions for performance, compliance, and scalability
- 1.4 Compare the costs of database solutions

Domain 2: Deployment and Migration

- 2.1 Automate database solution deployments
- 2.2 Determine data preparation and migration strategies
- 2.3 Execute and validate data migration

Domain 3: Management and Operations

- 3.1 Determine maintenance tasks and processes
- 3.2 Determine backup and restore strategies
- 3.3 Manage the operational environment of a database solution

Domain 4: Monitoring and Troubleshooting

- 4.1 Determine monitoring and alerting strategies
- 4.2 Troubleshoot and resolve common database issues
- 4.3 Optimize database performance

Domain 5: Database Security

- 5.1 Encrypt data at rest and in transit
- 5.2 Evaluate auditing solutions
- 5.3 Determine access control and authentication mechanisms
- 5.4 Recognize potential security vulnerabilities within database solutions