

AWS Certified Database Specialty (DBS-C01)

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.

Course Objective

This course teaches you about core aspects such as:

- Understanding and differentiating the key features of AWS database services.
- Analyzing the needs and requirements to recommend and design appropriate database solutions using AWS services.

Course Outline

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

Prerequisites

- 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

Target Audience

This training course is for Data platform engineers, Database administrators, Solutions architects, IT professionals.

Duration

- 24 Hours Training Course