Exam Readiness: AWS Certified Database – Specialty

AWS Classroom Training

Course description

This course prepares you to take the AWS Certified Database – Specialty exam, which validates your ability to design, implement, deploy, and maintain database solutions.

In this course, you'll learn about the logistics of the exam and the mechanics of exam questions, and you'll explore the exam's technical domains. You'll review core AWS services and key concepts for the exam domains:

1. Domain 1 – Workload-Specific Database Design
2. Domain 2 – Deployment and Migration
3. Domain 3 – Management and Operations
4. Domain 4 – Monitoring and Troubleshooting
5. Domain 5 – Database Security

You'll also learn key test-taking strategies and will put them into action while working through multiple study questions. Once you've honed your skills, you'll have the chance to take a quiz that will help you assess your areas of strength and weakness so that you'll know what to emphasize in your pre-exam studies.

- Course level: Advanced
- Duration: 1 day

Activities

This course includes presentations, interactive quiz reviews, and sample exam questions.

Course objectives

In this course, you will learn to:

- Identify your strengths and weaknesses in each exam domain so that you know what to focus on when studying for the exam
- Describe the technical topics and concepts that make up each of the exam domains
- Summarize the logistics and mechanics of the exam and its questions
- Use effective strategies for studying and taking the exam

Intended audience

This course is intended for:

- DB admin or ops/admin – database.
- Data platform engineers
- Database developers
- Solutions architects

Prerequisites

We recommend that attendees of this course have the following knowledge and experience:

- AWS Certified Cloud Practitioner or an Associate-level AWS Certification
- 5 or more years of hands-on experience working with complex database solutions on AWS

Course outline

Module 0: Course introduction

Module 1: Domain 1 – Workload-Specific Database Design

- 1.1 Select the 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
- Multiple question interactive domain review

Module 2: 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
- Multiple question interactive domain review

Module 3: 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
- Multiple question interactive domain review

Module 4: 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
- Multiple question interactive domain review

Module 5: 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
- Multiple question interactive domain review

Module 6: AWS Exam Preparation

- 20 sample exam questions

Module 7: Course Review and Wrap-Up