

CLOUD

ADVANCED

3 DAYS

AWS Certified Database Specialty

Build a strong foundation in AWS database services to design, operate, and optimize scalable and highly available data architectures. Learn how to manage performance, security, and compliance while selecting the right storage and database solutions for enterprise workloads.

Why AWS Database Specialty?

Expertise in AWS Database Services

Certified professionals have demonstrated their proficiency in designing, deploying, and managing AWS database services.

Cost Optimization

Certified professionals can design and implement efficient database architectures, leverage storage and instance options, and utilize cost management tools to minimize expenses.

Efficient Database Management

Certified professionals can efficiently configure, monitor, and troubleshoot databases, ensuring optimal performance, high availability, and data integrity.

What you'll be able to do

- ✓ Gain a comprehensive understanding of the various AWS database services.
- ✓ Develop expertise in designing scalable, high-performance, and highly available database architectures on AWS.
- ✓ Acquire the skills to manage and operate AWS database services efficiently.
- ✓ Understand the different storage options provided by AWS for databases, such as Amazon S3, Amazon EBS, and Amazon EFS.
- ✓ Master the concepts of data security and compliance in AWS database services.
- ✓ Learn how to design and implement highly available database solutions on AWS.
- ✓ Gain expertise in optimizing the performance of AWS database services.

Who this is for

- Database Administrators Database Architects Solutions Architects DevOps Engineers Data Engineers
- IT Professionals and Cloud Practitioners

Curriculum

01 Workload-Specific Database Design

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

02 Deployment and Migration

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

03 Management and Operations

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

04 Monitoring and Troubleshooting

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

05 Database Security

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