



AMAZON WEB SERVICES (AWS)

AWS Overview

- AWS Overview
- History and Evolution of AWS
- Knowledge Check
- Overview of AWS Products and Services
- Quiz
- Key Takeaways

Designing Highly Available, Cost-efficient, Fault-tolerant, and Scalable Systems

- Designing Highly Available, Cost-efficient, Fault-tolerant, and Scalable Systems
- How to design Cloud Services
- Planning and Designing
- Monitoring and Logging
- Hybrid IT architectures
- Practice Assignment Designing Hybrid Storage
- Quiz

Identity Access Management (IAM)

- Identity and Access Management (IAM)
- IAM Overview and Policies
- IAM Users, Groups, and Roles
- IAM Best Practices
- IAM Users, Groups, and Roles
- IAM Best Practices
- Practice Assignment Configuring IAM Access
- Quiz
- Key Takeaways

Amazon Virtual Private Cloud (VPC)

- Amazon Virtual Private Cloud (VPC)
- Amazon VPC and Subnets
- Networking
- Using Security Groups and Network ACLs
- Amazon VPC Best Practices and Costs
- Practice Assignment Designing a Custom VPC
- Quiz
- Knowledge Check

Elastic Compute Cloud (EC2)

- Cloud Compute with AWS
- Amazon EC2 Overview
- Amazon Machine Images (AMI)
- Launch and connect to an EC2 Linux instance Demo 1
- Launch and connect to an EC2 Windows instance Demo 2
- Create an AMI Demo 3
- Introduction to EC2 Instance Types
- Overview of Amazon EBS
- EC2 Pricing
- Elastic Load Balancing (ELB)
- Auto Scaling
- AWS Services
- AWS Lambda Demo
- Amazon Elastic Container Service
- EC2 Best Practices and Costs
- Practice Assignment Configure ELB
- Quiz
- Key Takeaways





Amazon Simple Storage Service (S3)

- Amazon Simple Storage Service (S3)
- S3 Overview and Buckets
- Version Control and Lifecycle Management
- Cloud Front and CDNs
- Security and Encryption
- Amazon Import - Export Snowball
- S3 Best Practices and Costs
- Practice Assignment Create an Amazon S3 bucket
- Quiz
- Knowledge Check

Amazon Route 53

- Amazon Route 53
- Amazon Route 53 Concepts
- Amazon Route 53 Best Practices and Costs
- Practice Assignment Amazon Route 53 Hosted Zone 0
- Quiz
- Key Takeaways

Databases

- Databases
- Databases Overview
- Amazon Relational Database Service (RDS)
- AMI Databases
- Amazon DynamoDB
- Amazon Redshift
- Amazon ElastiCache
- Amazon Aurora
- AWS Database Migration Services (DMS)
- Database Best Practices and Costs
- Practice Assignment Amazon RDS
- Quiz
- Key Takeaways

Application Services

- Application Services
- AWS Application Services
- Amazon Elastic Transcoder
- Amazon Workspaces
- Application Services Best Practices and Costs
- Practice Assignment Amazon SNS
- Quiz
- Key Takeaways

Security Practices for optimum Cloud Deployment

- Security Practices for Optimum Cloud Deployment
- AWS Responsibilities and Security Attributes
- AWS CloudFormation and Design patterns
- Practice Assignment AWS CloudWatch
- Quiz
- Key Takeaways

Disaster Recovery

- Disaster Recovery
- Overview and Products for Disaster Recovery
- Practice Assignment Disaster Recovery
- Quiz
- Key Takeaways

Troubleshooting

- Troubleshooting
- Troubleshooting and Support
- Quiz
- Key Takeaways

AWS Solutions Architect Exam

- AWS Solutions Architect Exam
- Exam Overview and Study Tips
- Key Takeaways