



**AWS SOLUTIONS
ARCHITECT
PROFESSIONAL**

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Program Overview

AWS is one of the fastest growing cloud service platforms offered today. It is used worldwide by millions of users!

Being able to achieve the Certified Solutions Architect Professional level certification is one of the top achievements for any cloud engineer. With that being understood, it is also one of the most challenging exams offered by any cloud vendor today.

AWS

01 Data Stores

- Introduction to Data Stores
- S3
- Glacier
- Glacier
- Elastic Block Storage
- Elastic File System
- Storage Gateway
- WorkDocs
- EC2 Databases
- RDS
- DynamoDB
- Redshift
- Neptune
- ElastiCache
- Other Datastore Options
- Comparing DB Options

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02 Networking

- Networking Concepts
- Network to VPC Connectivity
- VPC to VPC Connectivity
- Internet Gateways
- Routing
- Enhanced Networking
- Route 53
- CloudFront
- Elastic Load Balancers

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03 Security

- Security Concepts
- Multi-Account Management
- Network Controls and Security Groups
- AWS Directory Services
- Credentials and Access Management
- Encryption
- Distributed Denial of Service Attacks
- IDS and IPS
- Service Catalog

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04 Migration

- Introduction to Migration
- Migration Strategies
- Cloud Adoption Framework
- Hybrid Architecture
- Migration Tools
- Network Migrations and Cutovers
- Snow Family

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05 Architecting to Scale

- Introduction to Scaling
- Auto-Scaling
- Kinesis
- DynamoDB Scaling
- CloudFront Part 2
- SNS
- SQS
- Lambda, Serverless Application Model and EventBridge
- Simple Workflow Service
- Step Functions and Batch
- Elastic MapReduce

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06 Business Continuity

- Concepts of Business Continuity
- AWS Continuum of HA
- Storage HA Options
- Compute HA Options
- Database HA Options
- Network HA Options

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07 Deployment & Operations Management

- Types of Deployments
- Continuous Integration and Deployment
- Elastic Beanstalk
- CloudFormation
- Elastic Container Service
- API Gateway
- Management Tools
- AWS System Manager
- Enterprise Apps

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08 Cost Management

- Concepts
- Cost Optimization Strategies
- Tagging and Resource Groups
- Spot and Reserved Instances
- Cost Management Tools

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