

**AWS CERTIFIED
SOLUTIONS ARCHITECT**



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About Mazenet

Mazenet is widely recognized as a provider of state of art, IT training services and solution to business enterprises, institutions and individuals. With day-to-day rising competition our service management plays a major role and strong best practices. We provide various professional needs to help customers to reach their goals. Our training programs are more valuable to individuals, professionals, and corporate.

To undergo the AWS Certified Solutions Architect training it is required that the participants should be aware of AWS Technical Essentials else the participants should also attend the training on AWS Technical Essentials for which the duration will be 2 days.

AWS Technical Essentials

1. Introduction to AWS - Recognize terminology and concepts as they relate to the AWS platform and navigation of AWS Management Console.

2. AWS Infrastructure - Compute, Storage, and Networking - Understand the foundation infrastructure services, including Amazon Virtual Private Cloud (VPC), Amazon Elastic Compute Cloud (EC2), Amazon Elastic Block Store (EBS), Amazon Simple Storage Service (S3), Auto Scaling, and Elastic Load Balancing (ELB).

- EC2- Different instance types and families. EC2 Pricing - different models and when to choose what? Introduction to AWS Monthly Calculator, Launching EC2 - user-data, meta-data.
- EBS - Types and usage. How to do backups and move data between regions. Snapshots - how to manage these.
- Virtual Private Cloud (VPC) – Public, private and VPN only subnet. CIDR notation, VPC security - Security group, NACL, Route Tables.
- Simple Storage Service (S3) - Different storage classes in S3, Lifecycle policies, Versioning, S3 Website hosting, Basic CLI commands.

3. AWS Security, Identity, and Access Management - Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM). Users, groups, roles, policies and permissions.

4. AWS Databases - Understand AWS database services, including Amazon Dynamo DB and Amazon Relational Database Service (RDS).

- RDS - Single AZ and Multi-AZ deployment, automated backups, scaling. DB snapshots, DB subnet group. Read replica
- Dynamo DB - Tables, partition and sort key, Read and write throughput calculation, advantages

5. AWS Management Tools - Understand AWS management tools, including Amazon CloudWatch and AWS Trusted Advisor.

AWS Architecting

1. Designing Your Environment

- Explanation of critical decisions to make about how your application environment should be designed

2. Making Your Environment Highly Available

- What is high availability and what are its key concepts?
- What design patterns are recommended?

3. Decoupling Your Infrastructure

- Managed services, micro services and server less architectures
- Amazon SQS, Amazon SNS, Dynamo DB, Amazon Lambda

4. Designing Web-Scale Storage

- Media and data hosting strategies that will scale quickly and cost-effectively
- S3 usage for Static Assets, Usage of Cloud Front to serve Static and Dynamic Assets

5. AWS Well-Architected Framework Pillars

- Security, Reliability, Performance Efficiency and Cost Optimization

Certification Details

Certification: AWS Certified Solutions Architect - Associate

Exam Duration: 80 Minutes

Exam Registration Fee: \$ 150