

AWS Solutions Architect Certification - Associate

Overview

Students will attain a deep knowledge of AWS infrastructure and design patterns on developing applications on AWS and attain skills to clear the AWS Certification Exam.

Target Audience

This course is intended for:

- IT Professionals who want to learn to develop highly scalable, available, cost-efficient and failure tolerant system on AWS.
- IT Professionals who want to clear the AWS Certification exam.

Course Outline

1 - Day 1

- Fundamentals of Amazon Web Services (AWS)
- Amazon S3
- Hands-on: S3 Lab; Creating Buckets, objects, and managing access control
- Amazon EC2
- Hands-on: Hosting an Application on EC2

2 - Day 2

- Amazon Relational Database Services (RDS)
- Hands-on: Deploying and scaling an application using RDS
- Amazon Elastic Load Balancer (ELB)
- Hands-on: Scaling the Application using Amazon ELB
- Amazon CloudWatch
- Auto-Scaling
- Use Case Study and Lab: Deploying an auto-scaling app on the cloud using auto-scaling, EC2, RDS, ELB

3 - Day 3

- Amazon VPC
- Hands-on: Hosting secure applications using public and private subnets
- Identity & Access Management (IAM)
- Hands-on: Generating groups, users, access policies and control
- CloudFront
- Hands-on: Setup CloudFront CDN for an Application
- Route 53
- Hands-on: Moving an existing domain name to Route53 and configuring multi-location Routing

4 - Day 4

- Cloud Formation
 - Hands-on: Generating and Deploying Cloud Formation Templates
 - Dynamo DB
 - AWS Frequently Used Design Patterns Discussion about AWS Solutions Architect Associate Exam
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