

A person is sitting at a desk, using a laptop. The laptop screen displays the AWS logo on an orange background with a network diagram. The person's hands are on the keyboard. The background is blurred, showing a person standing in a room.

AWS SOLUTION ARCHITECT TRAINING

SYLLABUS

40- 50 hours
(including Exam Preparation and Lab)

SECTION 1:

Fundamentals of Cloud Computing

- » Introduction to Cloud Computing
- » Cloud Environment Architecture
- » Cloud Computing Models

SECTION 3:

Storage

- » Introduction to Block & Object storage mechanism
- » Introduction to Elastic Block Store - EBS
- » EBS Snapshots
- » EBS Volume Types
- » Instance Store Volumes
- » Introduction to Simple Storage Service (S3)
- » Features of S3

SECTION 4:

Elastic Load Balancers

- » Understanding High Availability Configuration
- » ELB Configuration

Elasticity

- » Auto Scaling

SECTION 7:

Domain Name System

- » Introduction to DNS
- » Understanding DNS Records
- » Introduction to Route53

SECTION 9:

Building Scalable Applications

- » Introduction to Message Brokers
- » Understanding SQS
- » Understanding Simple Notification Service (SNS)

SECTION 2:

Infrastructure & Networking

- » Introduction to Amazon Web Services
- » AWS Global Infrastructure
- » Introduction to Network Switches & Virtual Private Cloud
- » VPC & Subnets
- » Internet Gateways, VPC Peering & NAT Gateways
- » IP Addressing in AWS
- » Understanding AWS Security Groups
- » Launching our first EC2 instance
- » EC2 instance types & Pricing Models

SECTION 5:

Identity & Access Management

- » Understanding the IAM Policies
- » IAM User, IAM Policy and IAM Role

SECTION 6:

Relational Databases

- » Introduction to Relational Databases
- » Creating our first database structure in MySQL
- » Getting started with DynamoDB

SECTION 8:

Aws Lambda and API

- » Getting started with AWS Lambda
- » Introduction to API
- » Understanding working of API
- » Building our API with API Gateway

SECTION 10:

The DevOps Section

SECTION 11:

Monitoring

- » Understanding CloudWatch
- » Auditing AWS environment with CloudTrail

EXAM PREPARATION GUIDE



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