



AWS Essentials for System Administrators

Duration: 30 - 40 Hours

Introduction:

This course is recommended for those who are already in the System Administration field or those who are planning to become a System Administrator through Red Hat Enterprise Linux - System Administration training. The syllabus is designed by extracting the essential modules from the AWS Certified Solutions Architect - Associate training, and covers the fundamentals and essential topics of AWS, which are required for System Administration professionals

Syllabus

Section 1:

Fundamentals of Cloud Computing

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



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 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 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 7:

Domain Name System

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



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 9:

Building Scalable Applications

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

Section 10:

The DevOps Section

- Lambda
- Elastic Beanstalk
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Section 11:

Monitoring -

- Understanding CloudWatch
- Auditing AWS environment with CloudTrail



Contact Us

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