AWS System Administration

(Amazon Web Services Cloud)

30 Hours

Programming & Development

Cloud hosted web sites and applications are the future of Information Technology. Amazon Web Services (AWS) is a secure cloud services platform, offering compute power, database storage, content delivery, highly reliable, scalable, low-cost pay-for-what-you-use infrastructure platform on the cloud. AWS powers hundreds of thousands of businesses around the world and offers other functionality to help businesses scale and grow.

As Cloud Computing has become very popular, there is a great demand for System and Cloud Administrators with AWS skills.

This course is taught by industry experts from TOP MNC.

Amazon Web Services Course (AWS System Administrators)

1. Introduction to Cloud Computing
2. Fundamentals of Cloud Computing.
3. Introduction to Amazon Web Services (AWS)
4. AWS Compute Services (EC2, AMI Etc.)
5. Infrastructure & Networking
6. AWS Storage
7. AWS Elastic Load Balancers
8. AWS Identity & Access Management
9. Relational Databases in AWS

Course Content

Introduction to Cloud Computing

➢ What is Cloud
➢ Why Cloud?
➢ Types of Cloud Deployment Models
➢ Types of Cloud Services
➢ Future of Cloud Technologies
➢ Advantages and Disadvantages of Cloud

Fundamentals of Cloud Computing

➢ Introduction to Cloud Computing

➢ Cloud Environment Architecture

➢ Cloud Computing Models Section

Introduction to Amazon Web Services (AWS)

➢ What is AWS?
➢ How to Subscribe for AWS account
➢ What is the AWS Free Usage Tier
➢ AWS Certification

- ➢ Introduction to the AWS management Console
- ➢ List of services given by AWS

Infrastructure & Networking

- ➢ Introduction to Amazon Web Services

- ➢ VPC & Subnets

- ➢ IP Addressing in AWS

- ➢ Understanding AWS Security Groups

- ➢ Launching our first EC2 instance

- ➢ EC2 instance types & Pricing Models

Storage

- ➢ Introduction to Elastic Block Store - EBS

- ➢ EBS Snapshots

- ➢ EBS Volume Types

- ➢ Introduction to Simple Storage Service

- ➢ S3 Storage

Elastic Load Balancers

- ➢ Understanding High Availability Configuration

- ➢ ELB Configuration

- ➢ Auto Scaling Section

Identity & Access Management

- ➢ Understanding the IAM Policies

- ➢ IAM User, IAM Policy and IAM Role Section

Relational Databases

- ➢ Introduction to Relational Databases

- ➢ Creating our first database structure in MySQL