

## AMAZON WEB SERIES:

This hands-on course will assist you find out how the components of Amazon EC2 interact, and teach you ways to deploy a Linux or Windows instance. This course is meant for those that have already got experience working with a Linux or Windows server.

You will start by learning the way to deploy an EC2 Linux instance, including the way to create a key pair and a basic instance, allow network access, add a replacement disk, and move files. From there, Steve will teach you ways to use Windows in EC2. This video tutorial also covers topics like monitoring and reporting, security, using Amazon Linux, and creating AMIs. Finally, you'll find out how to figure with RDS and EC2, also as create applications on EC2 instances.

## COURSE CONTENT:

### Module 1 – Exam Preparation and Study Techniques

Objectives – At the end of this Module, you should be able to:

- Exam Preparation and Study Techniques
- Preparation for the AWS exam
- Resources and Study Aids
- Passing the Exam, the First Time

## Module 2 - Cloud Computing Concepts

Objectives – At the end of this Module, you should be able to:

- Cloud History
- Cloud Computing Concepts
- Cloud Deployment Models
- Cloud Delivery Models
- Cloud Computing Benefits

## Module 3 - AWS Overview

Objectives – At the end of this Module, you should be able to:

- AWS History
- Brief Overview of AWS
- AWS as a Market Leader
- AWS's Globally-Distributed Infrastructure
- Discuss AWS 70+ Products and Services

## Module 4 - AWS Compute

Objectives – At the end of this Module, you should be able to:

- AWS Account setup

- Amazon Elastic Compute Cloud (EC2) Concepts
- Working on EC2 Instances
- Working with Amazon Machine Images (AMI)

## Module 5 - Storage Operations

Objectives – At the end of this Module, you should be able to:

- Elastic Block Storage Operations - EBS
- Elastic File System Operations -EFS
- Simple Storage Service Operations – S3
- S3 Standard
- S3 Standard IA
- Reduced Redundancy Storage
- Glacier
- Managing S3 storage operations with third-party tools
- Managing AWS Export and export data using
- Snowball
- Snowball Edge
- Snowmobile
- Storage Cost and Best Practices

## Module 6 - AWS Security

Objectives – At the end of this Module, you should be able to:

- Identity Access Management – IAM
- Amazon Directory Service
- Amazon Inspector

## Module 7 - AWS Networking

Objectives – At the end of this Module, you should be able to:

- Amazon Virtual Private Cloud – VPC
- Direct Connect
- Virtual Private Networks

## Module 8 - Advanced Networking

Objectives – At the end of this Module, you should be able to:

- Working with Elastic Load Balancer (ELB)
- Auto Scaling in AWS

## Module 9 - Managing Amazon DNS Route 53

## Module 10 - Content Delivery using Cloud Front

## Module 11 - Managing Databases in AWS

Objectives – At the end of this Module, you should be able to:

- RDS
- Dynamo DB
- Redshift
- Elastic ache
- AWS Database Best Practices
- AWS Databases Costs

## Module 12 - Database Migrations using Amazon DMS:

- Heterogeneous Migrations
- homogeneous Migrations

## Module 13 -AWS Management and Monitoring Tools

Objectives – At the end of this Module, you should be able to:

- Cloud Watch
- Cloud Trail
- Trusted Advisor

## Module 14 - AWS Application services

Objectives – At the end of this Module, you should be able to:

- Simple Queue Service (SQS)
- Simple Notification Service (SNS)

## Module 15 - Disaster Recovery Scenarios

## Module 16 - Server Migration Strategies

## Module 17 - Troubleshooting AWS Services

## Module 18 - Best Security practices for cloud deployments

## Module 19: Using AWS Command Line Interface (CLI)

## Module 20: How to integrate AWS Lambda functions with other AWS Services



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## Module 21: Case Studies

### Bonus Module – UNIX Basics and Administration

Objectives – At the end of this Module, you should be able to:

- Introduction to Linux and UNIX
- Installation of Linux
- Linux System Structure
- Software Package Administration
- User and Group Administration
- Advanced File Permissions
- Disk Partitioning and Mounting File System

Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
- Logistical convenience and interactive classroom experience of Online Training
- Flexible pacing and instructor-guided support of Mentored Learning
- Self-paced convenience of Online ANYTIME



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### In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places

### Reach us:

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