

## **AWS SysOps Training Syllabus**

### **Section 1: AWS SysOps Overview**

- Cloud Computing
- Cloud Services
- Amazon Web Services (AWS)
- AWS Global Infrastructure

### **Section 2: Computing on AWS**

- Introduction
- Amazon Machine Image(AMI)
- What is an Instance
- Types of Instances
- Creating Instances,
- Managing Instances
- Troubleshooting Instances
- Network Interfaces
- Different Categories of IP

### **Section 3: Storage and Archiving in AWS**

- Cloud Storage
- Types of AWS Cloud Storage
- Understanding AWS Storage
- Amazon Elastic Block Storage(EBS)
- Amazon S3
- Amazon Glacier
- Storage Security
- Storage Gateway
- Snowball
- Troubleshooting Storage in AWS

#### **Section 4: Networking in the Cloud**

- Amazon VPC
- VPC Subnets
- Route Tables
- Elastic IPs
- Internet Gateway
- Access Control Lists(ACLs)
- Security Groups
- Creating and Managing a VPC
- Route53
- Network Security
- Troubleshooting Networks in AWS

#### **Section 5: Database Services**

- Types of Database Instances
- Amazon RDS
- Amazon DynamoDB
- Amazon ElastiCache

#### **Section 6: Creating Scalable Deployments in AWS**

- Scaling in the Cloud
- Load Balancer
- Elastic Load Balancing(ELB)
- Auto Scaling

#### **Section 7: Monitoring in AWS**

- Logging Basics
- CloudWatch logs
- AWS CloudTrail
- Monitoring and Security
- IAM
- Troubleshooting

## **Section 8: Managing Resource Consumption and Configuration Management in AWS**

- Identifying Cost Reduction Opportunities in the cloud
- Tagging
- Monitoring and Expenditure Alerting with Amazon CloudWatch
- AWS Trusted Advisor
- Creating Amazon Machine Images(AMI)
- AWS OpsWorks
- AWS UserData
- AWS CloudFormation
- Amazon Elastic BeanStalk

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