

## **AWS SysOps Course Content**

### **Course Description:**

AWS Certified SysOps Administrator - Associate/ Professional/ Speciality level exam validates once technical skills and enhance industry-recognized credentials and have solid growth in your career. AWS is a widely used cloud platform because of its wide featured services. Millions of customers from small companies to large organizations using AWS to improve reliability, efficiency, and to lower cost issues. AWS SysOps Administrator needs to manage the virtual cloud resources and plays a key role throughout the lifecycle of project development - starting from infrastructure management to the cost optimization. Another side, SysOps admin need to configure AWS cloud management, monitor, and manage AWS services and also need to manage user access and security.

Hachion Online Training for the AWS SysOps Admin certification course is designed by trained professionals. One without having any previous knowledge of AWS can also learn the course easily. Hachion implements a blend of academic learning and practical sessions during the AWS training. The course curriculum aligns to prepare for the AWS SysOps Administrator certification exam. Get trained with Hachion AWS sysops admin online course to have a strong career path in the AWS cloud platform.

### **Course Content:**

#### **Introduction to AWS SysOps Administrator**

- Introduction to the Course
- Getting started what all you need
- The exam blueprint discussion

#### **Monitoring, Metrics, and Analysis**

- CloudWatch Introduction
- EC2 Status Troubleshooting
- Create ACloudWatch Role
- Monitoring EC2 With Custom Metrics
- Monitoring EBS
- Monitoring RDS
- Monitoring ELB
- Monitoring ElastiCache
- Centralizing Monitoring Servers
- Consolidated Billing
- AWS Organizations Lab
- Billing and Alerts
- Cost Optimization

#### **High Availability**

- Elasticity And Scalability 101

- Scale Up or Scale-Out?
- RDS and Multi-AZ Failover
- RDS and Using Read Replicas
- RDS Multi-AZ and Read Replicas Lab
- Using Bastion Hosts and High Availability
- Troubleshooting and Potential Autoscaling Issues
- High Availability Quiz

### **Deployment & Provisioning**

- Root Access to AWS Services
- Elastic Load Balancer Configurations
- Pre-warming - Elastic Load Balancers
- Deployment and Provisioning Quiz

### **Data Management**

- Disaster Recovery, Backup & AWS
- AWS Services and Automated Backups
- EC2 Types - EBS vs Instance Store
- Upgrading EBS Volume Types
- Storing Log Files and Other Backups
- Data Management Quiz

### **Opsworks**

- Opsworks Overview
- Setting Up Opsworks - Lab
- AWS Sample Stack - Lab

### **Security**

- Building IAM Policies - Lab
- Using IAM Roles With EC2 (recap) - Lab
- S3 CLI & Regions
- Multifactor Authentication on AWS - Lab
- Security Token Service
- Security On AWS
- AWS & IT Audits
- Security Quiz

### **Networking**

- Network Bottlenecks
- DNS 101
- Register A Domain Name Lab
- Setup Our EC2 Instances Lab

- Simple Routing Policy Lab
- Weighted Routing Policy Lab
- Latency Routing Policy Lab
- Failover Routing Policy Lab
- Geolocation Routing Policy Lab
- DNS Exam Tips
- AWS Direct Connect
- VPC Overview
- Build a Custom VPC Part 1
- Build Your Own Custom VPC Part 2
- Creating a NAT Instance
- Network ACLs
- Custom VPC's and ELB's
- NAT's vs Bastions
- VPC Flow Logs
- VPC Clean Up
- VPC Summary