

SAMBODHI

CLOUD
COMPUTING



AWS SysOps

Project Based Immersive Learning Course

Course Overview?

The Education Nest AWS SysOps Certification Training has been developed by industry experts with the objective of helping you pass the AWS Certified SysOps Administrator Associate Exam (SOA-C02). The program is designed to teach you how to handle, maintain, and operate workloads on AWS while implementing security measures and ensuring compliance requirements are met. The curriculum has been structured in a way that enables you to master various AWS services like ELB, Route53, EC2, S3, Glacier, Cloudwatch, Cloudtrail, IAM, and VPC, as well as their configurations. Completing this AWS SysOps training is a prerequisite for obtaining the DevOps Engineer Certification. By enrolling in this program, you can get certified and become a critical part of the global cloud revolution.

Benefits of AWS SysOps Course :

If you enroll in Education Nest's AWS SysOps certification course, you can get ready for a good-paying job as an AWS SysOps Administrator. AWS has been dominating the overall

cloud infrastructure market for years now, with more than 30 percent share. AWS SysOps training can open up new career opportunities, such as becoming a Cloud Operations Engineer or Cloud Infrastructure Engineer, with a higher earning potential. AWS constantly updates its services and features, and AWS SysOps training ensures that you stay up-to-date with the latest technologies and trends. According to Fortune Business Insights, the global cloud computing market size could rise from USD 480.04 billion in 2022 to USD 1712.44 billion by 2029.

Who should learn:

- Student from IT Background
- Software Developers
- System Administrators
- Operations Personnel
- Cloud Professionals
- DevOps professionals

Why do you need AWS SysOps Training Course?

Average Salary Growth:

According to PayScale, the average salary for an AWS SysOps Administrator in the United States is around \$86,000 per year, while Glassdoor reports the average salary to be \$106,000 per year. As AWS SysOps professionals gain experience and advance in their careers, they can expect to earn higher salaries. For instance, a Cloud Operations Engineer can earn an average salary of \$120,000 per year, while a Cloud Infrastructure Engineer can earn around \$140,000 per year.

Industries:

According to Gartner Magic Quadrant for Cloud Infrastructure and Platform Services AWS was once again named a leader, along with Microsoft Azure and Google Cloud Platform. AWS's focus on innovation and agility, as well as its investment in machine learning and artificial intelligence, were also noted as strengths. Here are some examples of industries that use AWS SysOps are Healthcare, Technology, Retail, Education and Finance. These are

just a few examples of the many industries that use AWS SysOps. AWS SysOps skills are highly valued in these industries, making AWS SysOps a valuable asset to any organization.

Position in Market:

According to data from the job search website such as Indeed, Glassdoor, and LinkedIn are great resources for finding current job listings for AWS SysOps. According to a report from Global Knowledge, AWS SysOps is one of the top-paying certifications in the IT industry. Report from Burning Glass Technologies indicates that there is a growing demand for cloud computing skills in general, with job postings for cloud-related roles increasing by over 60% between 2015 and 2020. This growth is due to the increasing demand for data analysis in various industries.

Designations:

- Cloud Systems Administrator
- Cloud Support Engineer
- AWS DevOps Engineer
- AWS Solutions Architect
- AWS SysOps Administrator
- AWS Cloud Engineer
- AWS Technical Account Manage
- Cloud Security Engineer

Why AWS SysOps Course from Education Nest

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**

- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

Key Skills Covered:

- Amazon Web Services (AWS)
- Cloud Computing Security
- Software Deployment
- AWS Cloud
- Analyze CloudWatch metrics
- AWS usage costs
- Data integrity and security
- Analysis and Cost Effectiveness

AWS SysOps Course Syllabus

Introduction to AWS SysOps :

- Introduction to Cloud Computing
- Introduction to Cloud Services
- Amazon Web Services
- Amazon Global Infrastructure

Computing on AWS SysOps :

- Introduction to Computing on AWS
- Amazon Machine Image (AMI)
- Instance
- Types of Instances
- Creating and Managing Instance
- Network Interfaces
- Different Categories of IP

Networking in AWS SysOps

- Configuring VPN Connections
- VPC Subnets
- Route Tables
- Elastic IPs
- Internet Gateway
- NAT Gateway
- Access Control Lists (ACLs)
- Security Groups
- Creating and Managing a VPC
- Understanding Route53
- Route 53 Configuration
- Network Security
- Troubleshooting Networks in AWS

Storage and Archiving in AWS SysOps

- Cloud Storage
- Types of AWS Cloud Storage
- Understanding AWS Storage
- Amazon Elastic Block Storage (EBS)
- Understanding the Properties of S3
- Amazon Glacier
- Securing S3 Buckets
- Storage Gateway
- Snowball
- Troubleshooting Storage in AWS
- Pricing in AWS

Database Services :

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

Scalable Deployments in AWS

- Scaling in the Cloud
- Load Balancer
- ELB: Elastic Load Balancer Concepts
- Elastic Load Balancer Implementation
- Auto Scaling

Monitoring in AWS

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

Resource Utilization and Configuration 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

Career Support

Profile Building :

Experienced professionals are available to offer tailored assistance in crafting your CV and online profiles, taking into account your unique educational and experiential background.

Interview Preparation :

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.

Job Referrals :

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

Continuous Support :

We offer continuous support for as much time as you need it, and a considerable number of our learners receive multiple interviews offers and promising employment opportunities as a result of the abilities they gain during the program.