

AWS SysOps Administrator Certification - Associate

Overview

Students will attain a deep knowledge of AWS infrastructure and deployment on AWS, and attain skills to pass the AWS Certification Exam.

Prerequisite Comments

Some IT industry work experience or a degree in the IT field.
Some experience with Linux system administration advisable but not required.
Basic understanding of databases.

Target Audience

IT Professionals who want to learn to manage existing AWS infrastructure and to identify performance bottlenecks.
IT Professionals who want to clear the AWS Certification exam.

Course Objectives

To attain a deep knowledge of AWS infrastructure and deployment on AWS.
To attain skills to clear the AWS Certification Exam.

Course Outline

1 - Day 1

Fundamentals of Amazon Web Services (AWS)
Amazon S3
Hands-on: S3 Lab; Creating Buckets, objects, and managing access control
CloudTrail
Hands-on: Enabling CloudTrail
Amazon EC2
Hands-on: Hosting an Application on EC2
Amazon CloudWatch
SNS
Hands on: Setting up CloudWatch Alarm for the hosted Application and get notified via SNS
Amazon Lambda

[Register Online](#)

Schedule

Class Length: 4 Days

G2R = "Guaranteed to Run" OLL = "Online LIVE" ILT = "Instructor-Led-Training"					
12/08/20	G2R	9:00AM - 5:00PM	Online LIVE	OLL	\$2,796.00
02/16/21		9:00AM - 5:00PM	Online LIVE	OLL	\$2,796.00
04/27/21		11:00AM - 7:00PM	Online LIVE	OLL	\$2,796.00
06/29/21		9:00AM - 5:00PM	Online LIVE	OLL	\$2,796.00

2 - Day 2

Amazon Relational Database Services (RDS)

Hands-on: Deploying and scaling an application using RDS

Amazon Elastic Load Balancer (ELB)

Hands-on: Scaling the Application using Amazon ELB

Amazon Certificate Manager (ACM)

Auto-Scaling

Hands-on: Deploying an auto-scaling app on the cloud using auto-scaling,

EC2, RDS, ELB

Additional Hands-on: Setting Up Notification Based Scaling

3 - Day 3

Amazon VPC

Hands-on: Hosting secure applications using public and private subnets

Additional Hands-on: Enabling VPC Flow Logs that Streams to CloudWatch

Identity & Access Management (IAM)

Hands-on: Generating groups, users, access policies and control

CloudFront

Hands-on: Setup CloudFront CDN for an Application

Route 53

Hands-on: Moving an existing domain name to Route53 and configuring multi-location Routing

4 - Day 4

Cloud Formation

Hands-on: Generating and Deploying Cloud Formation Templates

AWS Frequently Used Design Patterns

System operations on AWS

Hands-on: Setting up Custom CloudWatch Metric