

AWS SysOps Administrator

Course Overview

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This is a 4-day class

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

Who Should Attend

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. More info about the certification here- <https://blog.cloudthat.com/preparing-for-amazon-web-services-certified-solution-architect-certification-aws-architect-certification/>

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

2 Day 2

Amazon Relational Database Services (RDS)
Hands-on: Deploying and scaling and 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

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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