

AWS Devops Professional

ABOUT COURSE

Amazon Web Services - (AWS) Certification is becoming the most demanded certificate for any IT professional on Cloud Computing. This course is designed to help you pass the AWS Certified DevOps Engineer - Professional exam. Doing our Associate course is a must, this course will take you to the next level of AWS high skilled learning. With this certification under your belt you will be one of certified professionals who are in high demand by employers worldwide.

In this course we will cover all of the major areas of AWS that you'll need to know to obtain the Professional certification including:

- Continuous Integration, Continuous Deployment, and Automation
- Monitoring, Metrics, and Logging
- Security, Governance, and Validation
- High Availability and Elasticity
- Operations

AWS are constantly evolving their platform and our post engagement learning helps you getting in touch with any changes.

Rulepaper Academy excels in providing an Enterprise Level of training with a zero theory learning approach provided by enterprise cloud and SME veterans. Thousands of students have taken their journey with us and excelled high in their dream careers, either in job or pursuing a new career. We believe in giving the learner a learning experience which becomes the foundation stone for the success of both trainee and Rulepaper.

REQUIREMENT

AWS Certified Developer - Associate or AWS Certified SysOps Administrator - Associate certification

Every Student Will Need An AWS Account

A Windows, Linux or Mac PC/Laptop

YOU WILL GET

Prepare for the AWS Certified Solutions Architect - DevOps Engineer Professional Exam

Become Familiar With The AWS Platform

Become Rulepaper Certified

TARGET AUDIENCE

Developers

System Administrators

Solutions Architects

COURSE OUTLINE

➤ INTRODUCTION

- Introduction

➤ CORE CONCEPTS

- Intro
- Continuous Integration & Deployment
- Deployment Types Explained
- AB Testing
- Bootstrapping
- Immutable Architecture
- Containers/Docker Primer
- JSON Primer

➤ CI/CD/AUTOMATION

- Intro
- CloudFormation Primer
- CloudFormation Structure
- Intrinsic Functions & Conditionals
- Stack Creation & DependsOn
- CloudFormation Resource Deletion Policies
- CloudFormation Stack Updates
- CloudFormation Nesting
- CloudFormation Wait Conditions & Wait Condition Handlers
- CloudFormation Custom Resources
- OpsWorks Primer
- OpsWorks Stacks & Layers
- OpsWorks Lifecycle Events
- OpsWorks Instances
- OpsWorks Applications
- OpsWorks Create Deployment Cmd
- OpsWorks Databags & berkshelf
- OpsWorks Auto-Healing
- EB Primer
- Extending Beanstalk using ebextensions
- Docker in elastic beanstalk

➤ MONITORING/METRICS/LOGGING

- Intro
- CloudWatch Basics
- CloudWatch Custom Metrics
- CloudWatch Alarms
- CloudWatch Logs

- CloudWatch Log Filters
- Real-Time Log Processing
- CloudTrail
- CloudWatch Events

➤ SECURITY/GOVERNANCE/VALIDATION

- Intro
- Delegation & Federation
- Console Multi-account Access (with demo)
- Corporate Identity Federation
- Web Identity Federation

➤ HIGH AVAILABILITY AND ELASTICITY

- Intro
- Auto Scaling
- Auto Scaling Lifecycle
- Auto Scaling Lifecycle Hooks
- Launch Configuration Deep Dive
- Auto Scaling Group Deep Dive
- Auto Scaling Groups Self Healing
- Exercise - ASG/LC/Healing
- Amazon RDS
- Amazon Aurora
- Dynamo DB Primer
- Partitions
- GSI/LSI
- Streams & Replication

- DynamoDB Performance Deep Dive Part 1
- DynamoDB Performance Deep Drive Part 2
- SQS
- Kinesis
- High Availability and Elasticity Quiz

➤ OPERATIONS

- Intro
- Instance Types Deep Dives
- EBS Performance Deep Dive
- API/CLI Cheat Sheet
- Creating snapshots, Prune, and Orphans

➤ WRAP UP

- Further Reading
- References

DURATION

32 Hours.