

DevOps Engineering on AWS

Code:	AWS-DEV-OPS
Length:	3 days
URL:	View Online

Prerequisite Courses

Developer - Developing on AWS

[View Details](#)

Operations - Systems Operations on AWS

[View Details](#)

DevOps Engineering on AWS demonstrates how to use the most common DevOps patterns to develop, deploy, and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small and medium-sized business, and enterprise development scenarios.

Skills Gained

This course is designed to teach you how to:

- Use the principal concepts and practices behind the DevOps methodology
- Design and implement an infrastructure on AWS that supports one or more DevOps development projects
- Use AWS CloudFormation and AWS OpsWorks to deploy the infrastructure necessary to create development, test, and production environments for a software development project
- Use AWS CodeCommit and understand the array of options for enabling a Continuous Integration environment on AWS
- Use AWS CodePipeline to design and implement a Continuous Integration and Delivery pipeline on AWS
- Implement several common Continuous Deployment use cases using AWS technologies, including blue/green deployment and A/B testing
- Distinguish between the array of application deployment technologies available on AWS (including AWS CodeDeploy, AWS Opsworks, AWS Elastic Beanstalk, Amazon EC2 Container Service, and Amazon EC2 Container Registry), and decide which technology best fits a given scenario
- Fine tune the applications you deliver on AWS for high performance and use AWS tools and technologies to monitor your

application and environment for potential issues

Who Can Benefit

This course is intended for:

- System Administrators
- Software Developers
- Anyone looking to become a DevOps practitioner

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Working knowledge of one or more high-level programming languages (C#, Java, PHP, Ruby, Python, etc.)
- Intermediate knowledge of administering Linux or Windows systems at the command-line level
- Working experience with AWS using both the AWS Management Console and the AWS Command Line Interface (AWS CLI)
- Attended Developing on AWS or System Operations on AWS course

Course Details

Day 1

- Introduction to DevOps
- AWS Command Line Interface
- Introduction to DevSecOps
- Deployment Strategies and Developer Tools

Day 2

- Infrastructure as Code
- Deep Dive into Developer Tools
- Automated Testing on AWS

Day 3

- Configuration Management
- AMI Building and Amazon EC2 Systems Manager
- Containers: Docker and ECS
- Customer Case Studies

Related Certifications

Authorized training from ExitCertified is created and maintained by the vendor who also creates the certification exams. While it may not be a requirement of certification to attend a vendor-authorized training class, doing so will put you in the best position to successfully complete the related exams. Start training and begin working towards one of the following certifications today.

Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

DevOps - Running Container-Enabled Microservices on AWS

[View Details](#)

Cloud Native - Docker Containerization Essentials

[View Details](#)

Cloud Native - Kubernetes Application Essentials

[View Details](#)

Business Analysis - DevOps Foundations

[View Details](#)

Schedule (as of 3)

Date	Location		
Sep 23, 2020 – Sep 25, 2020	iMVP	GTR	Enroll
Nov 3, 2020 – Nov 5, 2020	iMVP	GTR	Enroll
Nov 17, 2020 – Nov 19, 2020	iMVP	GTR	Enroll
Dec 1, 2020 – Dec 3, 2020	iMVP	GTR	Enroll
Oct 13, 2020 – Oct 15, 2020	iMVP		Enroll
Dec 15, 2020 – Dec 17, 2020	iMVP		Enroll