

## AWS Ramp-Up Guide: DevOps Engineer

These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to pursuing the role of DevOps Engineer. This guide is not intended to be consumed entirely. Different sections tackle different objectives. Some resources will be less relevant to you today. The guide will help you decide where you want to start your learning journey, and which step should be your next.

Share your opinion of this Ramp-Up Guide with us!

Learn the Fundamentals of the AWS Cloud				
Learning Resource		Duration (hrs)	Type	
AWS Ramp-Up Guide: Cloud Essentials	Fundamental		Ramp-Up Guide	
Introduction to AWS Command Line Interface (CLI)	Fundamental	0.2	Digital Training	

.NE	T Development			
Lea	rning Resource		Duration (hrs)	Туре
	AWS Tools to Develop, Run, and Modernize .NET Workloads	Fundamental	1.0	<u>Digital Training</u>
	.NET Workloads on AWS App Runner	Intermediate	2.0	<u>Digital Training</u>
	.NET Workloads on AWS Lambda or	Intermediate	1.5	<u>Digital Training</u>
\$	.NET Workloads on AWS Lambda (Includes Labs)	Intermediate	3.0	<u>Digital Training + Labs</u>
	.NET Workloads on Amazon ECS and AWS Fargate or	Intermediate	3.0	<u>Digital Training</u>
\$	.NET Workloads on Amazon ECS and AWS Fargate (includes labs)	Intermediate	3.0	<u>Digital Training + Labs</u>

Cloud Design and Operations			
Learning Resource		Duration (hrs)	Туре
AWS Identity and Access Management - Architecture and Terminology	Fundmental	0.3	<u>Digital Training</u>
Subnets, Gateways, and Route Tables Explained	Fundmental	0.3	<u>Digital Training</u>
Introduction to AWS Auto Scaling	Fundmental	0.2	<u>Digital Training</u>
Introduction to AWS Command Line Interface (CLI)	Fundmental	0.2	<u>Digital Training</u>
Introduction to AWS Management Console	Fundamental	0.3	<u>Digital Training</u>
\$ Automating AWS Services with Scripting and the AWS CLI	Intermediate	1.3	Self-Paced Lab
\$ AWS Tools for Windows PowerShell: Getting Started	Fundmental	1.0	Self-Paced Lab

## Governance



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Learning Resource	Duration (hrs)	Туре
Basics of AWS Managed Services (AMS)	0.3	<u>Digital Training</u>
Getting Started with AWS Control Tower	1.0	<u>Digital Training</u>

Monitoring and Observability			
Learning Resource		Duration (hrs)	Туре
AWS Observability	Intermediate	5.0	<u>Digital Training</u>
Introduction to Amazon CloudWatch Logs	Fundamental	0.2	Digital Training
Introduction to Amazon CloudWatch Logs Insights	Fundamental	0.2	<u>Digital Training</u>
Getting Started with Amazon Managed Service for Prometheus	Fundamental	1.0	Digital Training
Introduction to AWS Trusted Advisor	Fundamental	0.2	Digital Training

Centralized Operations Management			
Learning Resource		Duration (hrs)	Type
Getting Started with AWS Systems Manager	Fundamental	1.0	<u>Digital Training</u>

Configuration, Compliance, and Auditing				
Learning Resource		Duration (hrs)	Туре	
Getting Started with AWS CloudTrail	Fundamental	1.0	Digital Training	
Getting Started with AWS Audit Manager	Fundamental	1.5	<u>Digital Training</u>	

Provisioning and Orchestration				
Learning Resource		Duration (hrs)	Туре	
Getting Started with AWS CloudFormation	Fundamental	0.3	<u>Digital Training</u>	
Troubleshooting: AWS CloudFormation Stacks	Fundamental	0.5	<u>Digital Training</u>	
\$ Introduction to AWS CloudFormation Designer	Fundamental	0.6	Self-Paced Lab	
\$ Creating an Amazon Virtual Private Cloud (VPC) with AWS CloudFormation	Fundamental	1.0	Self-Paced Lab	
\$ Introduction to AWS CloudFormation	Fundamental	0.8	Self-Paced Lab	
\$ Launching and Managing a Web Application with AWS CloudFormation	Intermediate	2.0	Self-Paced Lab	
Introduction to AWS Service Catalog	Fundamental	0.2	<u>Digital Training</u>	



## AWS Ramp-Up Guide: DevOps Engineer

Learn with Peers			
Learning Resource		Duration (hrs)	Туре
\$ Cloud Operations on AWS	Intermediate	18.0	Classroom Training
\$ Developing on AWS	Intermediate	18.0	Classroom Training
\$ DevOps Engineering on AWS	Intermediate	18.0	Classroom Training

Ado	ditional Labs			
Lea	rning Resource		Duration (hrs)	Туре
\$	Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.4	Self-Paced Lab
\$	Automating AWS Services with Scripting and the AWS CLI	Intermediate	1.3	Self-Paced Lab
\$	Launching and Managing a Web Application with AWS CloudFormation	Intermediate	0.9	Self-Paced Lab
\$	Automate Application testing Using AWS CodeBuild	Advanced	1.0	Self-Paced Lab

Additional Resources	
Learning Resource	Туре
AWS Power Hour: DevOps Engineer Associate (Exam Prep)	On-demand Broadcast
Tools to Build on AWS	<u>Webpage</u>
Learn how to migrate your ASP.NET app to AWS in minutes!	<u>Tutorial</u>
Best practices for CI/CD using AWS Fargate and Amazon ECS	<u>Video</u>
Build a Modern Web Application in your preferred language	Workshop
Modernization Workshops with 3rd Party Integration	Workshop
CI/CD for serverless applications	Workshop
AWS Certified DevOps Engineer - Professional Exam Guide	Exam Guide
AWS Certified DevOps Engineer - Professional	Webpage