



# 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	Type
AWS Ramp-Up Guide: Cloud Essentials	<a href="#">Ramp-Up Guide</a>

## Services for Developers

Learning Resource	Duration (hrs)	Type
Introduction to AWS CodeBuild	0.2	<a href="#">Digital Training</a>
Introduction to AWS CodeCommit	0.3	<a href="#">Digital Training</a>
Introduction to AWS CodePipeline	1.2	<a href="#">Digital Training</a>
Introduction to AWS CodeStar	1.2	<a href="#">Digital Training</a>
Introduction to AWS CodeDeploy	1.5	<a href="#">Self-Paced Lab</a>
Introduction to AWS Command Line Interface (CLI)	0.2	<a href="#">Digital Training</a>
Introduction to AWS OpsWorks Stacks	0.2	<a href="#">Digital Training</a>
Introduction to AWS OpsWorks for Chef Automate	0.2	<a href="#">Digital Training</a>
Introduction to AWS X-Ray	0.1	<a href="#">Digital Training</a>

## .NET Development

Learning Resource	Duration (hrs)	Type
AWS Tools to Develop, Run, and Modernize .NET Workloads	1.0	<a href="#">Digital Training</a>
Getting Started with .NET on AWS	1.5	<a href="#">Digital Training</a>
\$ Getting Started with .NET on AWS	2.0	<a href="#">Self-Paced Lab</a>
.NET Workloads on AWS App Runner	2.0	<a href="#">Digital Training</a>
.NET Workloads on AWS Lambda or...	1.5	<a href="#">Digital Training</a>
\$ .NET Workloads on AWS Lambda (Includes Labs)	3.0	<a href="#">Digital Training + Labs</a>



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.NET Workloads on Amazon ECS and AWS Fargate <b>or...</b>	3.0	<a href="#">Digital Training</a>
\$ .NET Workloads on Amazon ECS and AWS Fargate (includes labs)	3.0	<a href="#">Digital Training + Labs</a>
Modernize .NET Applications – Infrastructure as Code and CI/CD	1.5	<a href="#">Digital Training</a>

## Cloud Design and Operations

Learning Resource	Duration (hrs)	Type
AWS Identity and Access Management - Architecture and Terminology	0.3	<a href="#">Digital Training</a>
Introduction to Amazon Virtual Private Cloud (VPC)	0.2	<a href="#">Digital Training</a>
Subnets, Gateways, and Route Tables Explained	0.3	<a href="#">Digital Training</a>
Amazon Route 53 - Amazon Route 53 – Basics	0.3	<a href="#">Digital Training</a>
Introduction to AWS Auto Scaling	0.2	<a href="#">Digital Training</a>
Introduction to AWS Command Line Interface (CLI)	0.2	<a href="#">Digital Training</a>
Introduction to AWS Management Console	0.3	<a href="#">Digital Training</a>
\$ Automating AWS Services with Scripting and the AWS CLI	1.3	<a href="#">Self-Paced Lab</a>
\$ AWS Tools for Windows PowerShell: Getting Started	1.0	<a href="#">Self-Paced Lab</a>

## Governance

Learning Resource	Duration (hrs)	Type
Introduction to AWS Organizations	0.2	<a href="#">Digital Training</a>
AWS Managed Services Console Walkthrough	0.3	<a href="#">Digital Training</a>
AWS Managed Services (AMS): Provisioning	0.5	<a href="#">Digital Training</a>
Basics of AWS Managed Services (AMS)	0.3	<a href="#">Digital Training</a>
Getting Started with AWS Control Tower	1.0	<a href="#">Digital Training</a>

## Monitoring and Observability

Learning Resource	Duration (hrs)	Type
AWS Observability	5.0	<a href="#">Digital Training</a>
Introduction to Amazon CloudWatch	0.2	<a href="#">Digital Training</a>
Introduction to Amazon CloudWatch Logs	0.2	<a href="#">Digital Training</a>
Introduction to Amazon CloudWatch Logs Insights	0.2	<a href="#">Digital Training</a>



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Getting Started with Amazon Managed Service for Prometheus	1.0	<a href="#">Digital Training</a>
Troubleshooting: AWS CloudFormation	1.0	<a href="#">Digital Training</a>
Amazon EventBridge Overview and Integration with SaaS Applications	0.5	<a href="#">Digital Training</a>
Introduction to AWS Trusted Advisor	0.2	<a href="#">Digital Training</a>
<b>Centralized Operations Management</b>		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
Getting Started with AWS Systems Manager	1.0	<a href="#">Digital Training</a>
Introduction to AWS OpsWorks Stacks	1.0	<a href="#">Digital Training</a>
<b>Configuration, Compliance, and Auditing</b>		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
Getting Started with AWS CloudTrail	1.0	<a href="#">Digital Training</a>
Getting Started with AWS Audit Manager	1.5	<a href="#">Digital Training</a>
<b>Provisioning and Orchestration</b>		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
Getting Started with AWS CloudFormation	0.3	<a href="#">Digital Training</a>
Troubleshooting: AWS CloudFormation Stacks	0.5	<a href="#">Digital Training</a>
\$ Introduction to AWS CloudFormation Designer	0.6	<a href="#">Self-Paced Lab</a>
\$ Creating an Amazon Virtual Private Cloud (VPC) with AWS CloudFormation	1.0	<a href="#">Self-Paced Lab</a>
\$ Introduction to AWS CloudFormation	0.8	<a href="#">Self-Paced Lab</a>
\$ Launching and Managing a Web Application with AWS CloudFormation	2.0	<a href="#">Self-Paced Lab</a>
Introduction to AWS Marketplace	0.2	<a href="#">Digital Training</a>
Introduction to AWS Service Catalog	0.2	<a href="#">Digital Training</a>
<b>Learn with Peers</b>		
<b>Learning Resource</b>	<b>Duration (hrs)</b>	<b>Type</b>
\$ Cloud Operations on AWS	18.0	<a href="#">Classroom Training</a>
\$ Developing on AWS	18.0	<a href="#">Classroom Training</a>



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\$ DevOps Engineering on AWS	18.0	<a href="#">Classroom Training</a>
\$ DevOps Engineering on AWS	18.0	<a href="#">Classroom Training</a>

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## Additional Labs

Learning Resource	Duration (hrs)	Type
\$ Introduction to AWS Identity and Access Management (IAM)	0.4	<a href="#">Self-Paced Lab</a>
\$ Automating AWS Services with Scripting and the AWS CLI	1.3	<a href="#">Self-Paced Lab</a>
\$ Launching and Managing a Web Application with AWS CloudFormation	0.9	<a href="#">Self-Paced Lab</a>
\$ Automate Application testing Using AWS CodeBuild	1.0	<a href="#">Self-Paced Lab</a>

## Additional Resources

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