

# AWS Ramp-Up Guide: Containers

For developers, engineers, and DevOps engineers



AWS Training and Certification has created this and other **AWS Ramp-Up Guides** to help build your knowledge of the AWS Cloud. Each expertly curated guide features free digital training, classroom courses, videos, whitepapers, certifications, and other information you're looking for. To enroll in training and certification exams, and track your progress, visit [aws.training](https://aws.training) and set up a free account. To provide suggestions on Ramp-Up Guides, please contact [rampupguides@amazon.com](mailto:rampupguides@amazon.com).

## Learn the fundamentals of the AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
AWS Ramp-Up Guide: Cloud Practitioner	10 minutes	<a href="#">Ramp-Up Guide »</a>

## Step 1: Dive deeper into AWS Cloud fundamentals, including AWS pricing and cost management

LEARNING RESOURCE	DURATION	TYPE
How AWS Pricing Works	3.5 hours	<a href="#">Whitepaper »</a>
AWS Well-Architected Framework	6 hours	<a href="#">Whitepaper »</a>
<i>AWS Technical Essentials</i>	1 day	<a href="#">Classroom Training »</a>
<i>Introduction to AWS Billing and Cost Management</i>	10 minutes	<a href="#">Digital Training »</a>
<i>AWS Shared Responsibility Model</i>	5 minutes	<a href="#">Digital Training »</a>
Shared Responsibility Model	10 minutes	<a href="#">Webpage »</a>
Tools to Build on AWS (select your preferred programming language, then review the SDK, IDE options, and Getting Started documentation page)	30 minutes	<a href="#">Webpage »</a>

## Step 2: Learn containers fundamentals

LEARNING RESOURCE	DURATION	TYPE
Getting started with Docker on AWS	45 minutes	<a href="#">Video »</a>
Implementing Microservices on AWS	1 hours	<a href="#">Whitepaper »</a>

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## Step 2 continued: Learn containers fundamentals

LEARNING RESOURCE	DURATION	TYPE
<i>Introduction to Containers</i>	15 minutes	<a href="#">Digital Training »</a>
<i>Introduction to AWS Fargate</i>	10 minutes	<a href="#">Digital Training »</a>
<i>Introduction to Amazon Elastic Container Registry</i>	10 minutes	<a href="#">Digital Training »</a>
<i>Introduction to Amazon Elastic Container Service</i>	10 minutes	<a href="#">Digital Training »</a>
Running Containerized Microservices on AWS	1 hour	<a href="#">Whitepaper »</a>
<i>Amazon Elastic Container Service (ECS) Primer</i>	30 minutes	<a href="#">Digital Training »</a>
<i>Amazon Elastic Container Service for Kubernetes (EKS) Primer</i>	1 hour	<a href="#">Digital Training »</a>
<i>Building Containerized Applications on AWS</i>	10 hours	<a href="#">Coursera Digital Training »</a>

## Step 3: Learn all about containers

LEARNING RESOURCE	DURATION	TYPE
<i>Running Containers on Amazon Kubernetes Service (Amazon EKS)</i>	3 days	<a href="#">Classroom Training »</a>
ECS Workshop	2 hours	<a href="#">Workshop »</a>
EKS Workshop	2 hours	<a href="#">Workshop »</a>
Working with Amazon Elastic Container Service	55 minutes	<a href="#">Self-Paced Lab »</a>
Introduction to Amazon Elastic Container Service	50 minutes	<a href="#">Self-Paced Lab »</a>
Introduction to Amazon Elastic Container Registry	57 minutes	<a href="#">Self-Paced Lab »</a>
<i>Deep Dive on Container Security</i>	30 minutes	<a href="#">Digital Training »</a>
AWS Fargate under the hood	40 minutes	<a href="#">Video »</a>

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Step 3 continued: Learn all about containers

LEARNING RESOURCE	DURATION	TYPE
Best practices for CI/CD using AWS Fargate and Amazon ECS	60 minutes	<a href="#">Video »</a>
CI/CD with AWS Fargate	60 minutes	<a href="#">Workshop »</a>
Docker on Amazon ECS Fargate Using CloudFormation	36 minutes	<a href="#">Video »</a>
Deep Dive Into Container Networking - AWS Online Tech Talks	48 minutes	<a href="#">Video »</a>
Building CI/CD Pipelines with Jenkins on Amazon ECS	60 minutes	<a href="#">Workshop »</a>
<i>AWS Developer: Deploying on AWS</i>	18 hours	<a href="#">edX Digital Training »</a>
Blue/green and Canary deployments for Amazon EKS and Amazon ECS	90 minutes	<a href="#">Workshop »</a>
AWS App2Container – A New Containerizing Tool for Java and .NET Applications	30 minutes	<a href="#">Blog Post »</a>
De-mystifying cluster networking for Amazon EKS Worker nodes	30 minutes	<a href="#">Blog Post »</a>

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Explore additional resources		
LEARNING RESOURCE	DESCRIPTION	
Architecture Best Practices for Containers	Learn how to manage your containers and their deployments on AWS.	<a href="#">Explore »</a>
Learning Library	Continue to learn by exploring our extensive portfolio of free digital training and classroom training.	<a href="#">Explore »</a>
AWS Whitepapers & Guides	Explore technical whitepapers, guides, reference material, and architecture diagrams.	<a href="#">Explore »</a>
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	<a href="#">Explore »</a>
AWS Events and Webinars	Connect with, collaborate with, and learn from AWS experts.	<a href="#">Explore »</a>
AWS Podcast	Listen and learn about AWS.	<a href="#">Explore »</a>
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	<a href="#">Explore »</a>
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	<a href="#">Explore »</a>
AWS Knowledge Center	Review AWS Support's responses to AWS customers' most frequently asked questions.	<a href="#">Explore »</a>
AWS FAQs	Find answers to common Product and Technical frequently asked questions.	<a href="#">Explore »</a>
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	<a href="#">Explore »</a>
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	<a href="#">Explore »</a>
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	<a href="#">Explore »</a>

For a training plan customized for your requirements, contact your AWS Account Manager or contact us.

Contact us

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