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.

Learn the fundamentals of AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
What is Cloud Computing?	10 minutes	Webpage »
Overview of AWS	2 hours	Whitepaper »
AWS Cloud Practitioner Essentials	6 hours	Digital Training » Classroom Training »
Cloud Computing with AWS	10 minutes	Webpage »
AWS Glossary	30 minutes	Whitepaper »
Job Roles in the Cloud	30 minutes	Digital Training »

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

LEARNING RESOURCE	DURATION	TYPE
How AWS Pricing Works	45 minutes	Whitepaper »
AWS Well-Architected Framework	2 hours	Whitepaper »
AWS Technical Essentials	1 day	Classroom Training »
Introduction to AWS Billing and Cost Management	5 minutes	Digital Training »

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

LEARNING RESOURCE	DURATION	TYPE
AWS Shared Responsibility Model	5 minutes	Digital Training »
Shared Responsibility Model	10 minutes	Webpage »
Tools to Build on AWS (select your preferred programming language, then review the SDK, IDE options, and Getting Started documentation page)	30 minutes	Webpage »

Step 2: Learn containers fundamentals

LEARNING RESOURCE	DURATION	TYPE
Getting started with Docker on AWS	45 minutes	Video »
Microservices on AWS	1 hours	Whitepaper »
Introduction to Containers	15 minutes	Digital Training »
Introduction to AWS Fargate	10 minutes	Digital Training »
Introduction to Amazon Elastic Container Registry	10 minutes	Digital Training »
Running Containerized Microservices on AWS	1 hour	Whitepaper »
Amazon Elastic Container Service (ECS) Primer	30 minutes	Digital Training »
Amazon Elastic Container Service for Kubernetes (EKS) Primer	1 hour	Digital Training »
Building Containerized Applications on AWS (AWS on Coursera)	10 hours	Digital Training »

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Step 3: Learn all about containers

LEARNING RESOURCE	DURATION	TYPE
Running Containers on Amazon Kubernetes Service (Amazon EKS)	3 days	Classroom Training »
Building and Deploying Containers Using Amazon Elastic Container Service	1.5 hours	Hands-On Lab »
ECS Workshop	2 hours	Workshop »
EKS Workshop	2 hours	Workshop »
Deep Dive on Container Security	30 minutes	Digital Training »
AWS Fargate under the hood	40 minutes	Video »
Best practices for CI/CD using AWS Fargate and Amazon ECS	60 minutes	Video »
CI/CD with AWS Fargate	60 minutes	Workshop »
Docker on Amazon ECS Fargate Using CloudFormation	36 minutes	Video »
Deep Dive Into Container Networking - AWS Online Tech Talks	48 minutes	Video »
Building CI/CD Pipelines with Jenkins on Amazon ECS	60 minutes	Workshop »
AWS Developer: Deploying on AWS (on edX)	18 hours	Digital Training »
Blue/green and Canary deployments for Amazon EKS and Amazon ECS	90 minutes	Workshop »
AWS App2Container – A New Containerizing Tool for Java and .NET Applications	30 minutes	Blog Post »
De-mystifying cluster networking for Amazon EKS Worker nodes	30 minutes	Blog Post »

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Explore additional resources

LEARNING RESOURCE	DESCRIPTION	
Learning Library	Continue to learn by exploring our extensive portfolio of free digital training and classroom training. Filter according to your preferences, or find a specific course using the "Search" box.	Explore »
AWS Whitepapers & Guides	Explore technical whitepapers, technical guides, reference material, and reference architecture diagrams, all authored by AWS and the AWS community.	Explore »
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	Explore »
AWS Events & Webinars	Connect with, collaborate with, and learn from AWS experts.	Explore »
AWS Podcast	Listen and learn about AWS.	Explore »
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	Explore »
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	Explore »
AWS Knowledge Center	Review AWS Support's responses to AWS customers' most frequently asked questions.	Explore »
AWS FAQs	Find answers to product- and technical-related frequently asked questions.	Explore »
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	Explore »
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	Explore »
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	Explore »
AWS Architecture Center	Reference architecture diagrams, vetted architecture solutions, Well-Architected best practices, patterns, icons, and more.	Explore »

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

We would love to hear from you.
Provide your feedback on this AWS Ramp-Up Guide **here**