

AWS Ramp-Up Guide: Developer

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** and set up a free account. To provide suggestions on Ramp-Up Guides, please contact **rampupguides@amazon.com**.

Step 1: Learn AWS developer fundamentals

LEARNING RESOURCE	DURATION	TYPE
Tools to Build on AWS	30 minutes	Webpage »
<i>Introduction to AWS Elastic Beanstalk</i>	10 minutes	Digital Training »
<i>Getting Started with .NET on AWS</i>	90 minutes	Digital Training »
Getting Started with .NET on AWS (Lab)	2 hours	Self-Paced Lab »
Learn how to migrate your ASP.NET app to AWS in minutes!	30 minutes	Tutorial »
Learn the basics of Python on AWS	90 minutes	Workshop »
<i>Developing on AWS</i>	3 days	Classroom Training »

Step 2: Learn to build modern applications

LEARNING RESOURCE	DURATION	TYPE
Implementing Microservices on AWS	1 hours	Whitepaper »
Building Modern Applications at AWS	25 minutes	Video »
<i>Building Modern Java Applications on AWS</i>	18 hours	Coursera Digital Training » edX Digital Training »
<i>Building Modern Node.js Applications on AWS</i>	18 hours	Coursera Digital Training » edX Digital Training »

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Step 2 continued: Learn to build modern applications

LEARNING RESOURCE	DURATION	TYPE
<i>Building Modern Python Applications on AWS</i>	18 hours	Coursera Digital Training » edX Digital Training »
<i>Accelerating Messaging Modernization with Amazon MQ</i>	30 minutes	Digital Training »
Modern Application Development on AWS	1 hour	Whitepaper »

Step 3: Learn all about containers

LEARNING RESOURCE	DURATION	TYPE
<i>Introduction to Containers</i>	15 minutes	Digital Training »
<i>Introduction to AWS Fargate</i>	10 minutes	Digital Training »
<i>Building Containerized Applications on AWS</i>	10 hours	Coursera Digital Training »
AWS App2Container – A New Containerizing Tool for Java and .NET Applications	30 minutes	Blog Post »
<i>Deep Dive on AWS Fargate: Building Serverless Containers at Scale</i>	40 minutes	Digital Training »
<i>Deep Dive on Container Security</i>	30 minutes	Digital Training »

Step 3.1: Learn about Amazon Elastic Container Service (Amazon ECS)

LEARNING RESOURCE	DURATION	TYPE
<i>Amazon Elastic Container Service (ECS) Primer</i>	30 minutes	Digital Training »
ECS Workshop	2 hours	Workshop »
Best practices for CI/CD using AWS Fargate and Amazon ECS	60 minutes	Video »

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Step 3.1 continued: Learn about Amazon Elastic Container Service (Amazon ECS)

LEARNING RESOURCE	DURATION	TYPE
Introduction to Amazon Elastic Container Service	50 mins	Self-Paced Lab »
Introduction to Amazon Elastic Container Registry	57 mins	Self-Paced Lab »
Working with Amazon Elastic Container Service	55 mins	Self-Paced Lab »

Step 3.2: Learn about Amazon Elastic Kubernetes Service (Amazon EKS)

LEARNING RESOURCE	DURATION	TYPE
<i>Amazon Elastic Kubernetes Service (EKS) Primer</i>	1 hour	Digital Training »
<i>Running Containers on Amazon Elastic Kubernetes Service (Amazon EKS)</i>	3 days	Classroom Training »
EKS Workshop	2 hours	Workshop »
De-mystifying cluster networking for Amazon EKS Worker nodes	30 minutes	Blog Post »

Step 4: Learn all about serverless fundamentals

LEARNING RESOURCE	DURATION	TYPE
<i>Introduction to Serverless Development</i>	25 minutes	Digital Training »
<i>Getting into a Serverless Mindset</i>	30 minutes	Digital Training »
<i>AWS Lambda Foundations</i>	1 hour	Digital Training »
<i>Amazon API Gateway for Serverless Applications</i>	75 minutes	Digital Training »
<i>Amazon DynamoDB for Serverless Architectures</i>	2 hours	Digital Training »
Getting Started with Lambda Tutorial	20 minutes	Tutorial »

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Step 4.1: Dive deeper with serverless

LEARNING RESOURCE	DURATION	TYPE
<i>Developing Serverless Solutions on AWS</i>	3 days	Classroom Training »
Introduction to AWS Lambda	45 minutes	Self-Paced Lab »
Introduction to Amazon API Gateway	55 minutes	Self-Paced Lab »
<i>Architecting Serverless Solutions</i>	3 hours	Digital Training »
Innovator Island serverless workshop	2 hours	Workshop »
	5 hours	Video »
Build a Modern Web Application in your preferred language	2 hours	Workshop »
Modernization Workshops with 3 rd Party Integration	2 hours	Workshop »
Security Overview of AWS Lambda	1 hour	Whitepaper »
Create a near real-time multiplayer game built on AWS	2 hours	Workshop »
AWS Ramp-Up Guide: Serverless		Ramp-Up Guide »

Step 5: Get started with DevOps on AWS

LEARNING RESOURCE	DURATION	TYPE
<i>Getting Started with DevOps on AWS</i>	60 minutes	Digital Training »
Getting Started with DevOps on AWS (Lab)	2 hours	Self-Paced Lab »
CI/CD for serverless applications	1 hour	Workshop »
<i>Build and Deploy APIs with a Serverless CI/CD</i>	45 minutes	Digital Training »
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Step 6: Prepare for and take the *AWS Certified Developer - Associate* certification exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Developer – Associate</i>	2 hours	Digital Training »
<i>AWS Certified Developer – Associate</i> certification exam	2 hours	Exam »

Step 7: Learn how to quickly and easily build secure and scalable full stack applications

LEARNING RESOURCE	DURATION	TYPE
Build web and mobile apps with AWS Amplify	30 minutes	Tutorial »
Build a React Application using AWS Amplify	50 minutes	Tutorial »
Build a Full-Stack iOS App using AWS Amplify	45 minutes	Tutorial »
Mobile applications how to blog directory	30 minutes	Blog »

Step 8: Continue your learning with advanced topics

LEARNING RESOURCE	DURATION	TYPE
<i>Advanced Developing on AWS</i>	3 days	Classroom Training »
Instrumenting distributed systems for operational visibility	60 minutes	Webpage »

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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	Authored by AWS and the AWS community, explore technical whitepapers, technical guides, reference material, and reference architecture diagrams.	Explore »
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	Explore »
AWS Events and 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 common Product and Technical 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	Explore reference architecture diagrams, solutions, best practices, patterns, icons, and more.	Explore »
Amazon’s Builders’ Library	Learn how Amazon builds and operates software.	Explore »
AWS Twitch Channel	Learn how millions of customers are currently leveraging AWS cloud products and solutions.	Explore »
AWS Twitch for Developers	Join the developer education and community with AWS Live Video.	Explore »
AWS Security Documentation	Configure AWS services to meet your security and compliance objectives.	Explore »
For a training plan customized for your requirements, contact your AWS Account Manager or contact us.		Contact us
We would love to hear from you. Provide your feedback on this AWS Ramp-Up Guide.		Provide feedback