AWS Ramp-Up Guide: Serverless

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.

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 (Second Edition)	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 (click on your preferred programming language, review the SDK, IDE options, and then the Getting Started documentation page)	30 minutes	Webpage »

Step 2: Learn Serverless fundamentals

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

Step 3: Learn all about serverless

LEARNING RESOURCE	DURATION	TYPE
Getting Started with AWS Lambda and Serverless Computing - AWS Online Tech Talks	1 hour	Video »
Serverless architectural patterns and best practices	1 hour	Video »

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Step 3: Learn all about serverless

LEARNING RESOURCE	DURATION	TYPE
Serverless Architectures with AWS Lambda	1 hour	Whitepaper »
Build and Deploy APIs with a Serverless CI/CD	45 minutes	Digital Training »
Serverless Design with AWS Lambda	4 hours	Hands-On Labs »
Lambda Getting Started	20 minutes	Tutorial »
AWS Serverless Wild Rydes Workshops: Web Application, Data Processing, DevOps, Image Processing, and Multi Region on GitHub	1 hour	Workshop »
Deep Dive on AWS Fargate: Building Serverless Containers at Scale	40 minutes	Digital Training »
Architecting Serverless Solutions	3 hours	Digital Training »
CI/CD for serverless applications	1 hour	Workshop »
Optimizing Enterprise Economics with Serverless Architectures	30 minutes	Whitepaper »
Build a Modern Web Application in your preferred language	2 hours	Workshop »
Modernization Workshops with 3rd Party Integration	2 hours	Workshop »
Serverless Application Lens	2 hours	Whitepaper »
Building microservices with AWS Lambda	1 hour	Video »
AWS Serverless Multi-Tier Architectures	30 minutes	Whitepaper »
Security Overview of AWS Lambda	1 hour	Whitepaper »
Serverless Streaming Architectures and Best Practices	1 hour	Whitepaper »
Best practices for organizing larger serverless applications	15 minutes	Blog »
Serverless Architectural patterns and best practices	1 hour	Video »
Moving to event-driven architectures	1 hour	Video »
Scalable serverless event-driven applications using Amazon SQS & Lambda	50 minutes	Video »

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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. Key events include AWS.	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**

Duration times are estimated.