AWS Ramp-Up Guide: Serverless

For Developers, Engineers, and DevOps Engineers

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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**.

Learn the fundamentals of AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
AWS Ramp-Up Guide: Cloud Practitioner	10 minutes	Ramp-Up Guide »

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

LEARNING RESOURCE	DURATION	TYPE
AWS Well-Architected Framework	7 hours	Whitepaper »
AWS Technical Essentials	1 day	Classroom Training »
Introduction to AWS Billing and Cost Management	10 minutes	Digital Training »
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 »

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Step 2 continued: Learn Serverless fundamentals

LEARNING RESOURCE	DURATION	TYPE
Amazon DynamoDB for Serverless Architectures	2 hours	Digital Training »
Lambda Getting Started	4 hours	Documentation »
Introduction to AWS Lambda	45 minutes	Self-paced Lab »
Introduction to Amazon API Gateway	55 minutes	Self-paced Lab »

Step 3: Learn all about serverless

LEARNING RESOURCE	DURATION	TYPE
Developing Serverless Solutions on AWS	3 days	Classroom Training »
Build and Deploy APIs with a Serverless CI/CD	45 minutes	Digital Training »
Serverless Analytics	25 minutes	Digital Training »
Amazon DynamoDB for Serverless Architectures	2 hours	Digital Training »
Deep Dive: Lambda@Edge	35 minutes	Digital Training »
AWS Lambda Function Security & Defense in Depth	20 minutes	Digital Training »
Getting Started with AWS Lambda and Serverless Computing - AWS Online Tech Talks	1 hour	Video »
Serverless architectural patterns and best practices	1 hour	Video »
Serverless Architectures with AWS Lambda	1 hour	Whitepaper »
Getting started with Lambda	4 hours	Documentation »
Building Serverless Applications with an Event-Driven Architecture	90 minutes	Self-paced Lab »
AWS Serverless Wild Rydes Workshops: Web Application, Data Processing, DevOps, Image Processing, and Multi Region on GitHub	1 hour	Workshop »

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Step 3 continued: Learn all about serverless

LEARNING RESOURCE	DURATION	TYPE
Deep Dive on AWS Fargate: Building Serverless Containers at Scale	40 minutes	Digital Training »
Architecting Serverless Solutions	3 hours	Digital Training »
Troubleshooting Serverless Applications	1 hour 45 mins	Self-paced Lab »
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	5.5 hours	Whitepaper »
Building microservices with AWS Lambda	1 hour	Video »
AWS Serverless Multi-Tier Architectures	1.5 hours	Whitepaper »
Security Overview of AWS Lambda	2 hours	Whitepaper »
Serverless Streaming Architectures and Best Practices	4 hours	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 »

Duration times are estimated.

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Explore additional resources

LEARNING RESOURCE	DESCRIPTION	
Architecture Best Practices for Serverless	Learn how to build modern applications using serverless architectures.	Explore »
Learning Library	Continue to learn by exploring our extensive portfolio of free digital training and classroom training.	Explore »
AWS Whitepapers & Guides	Explore technical whitepapers, guides, reference material, and architecture diagrams 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 and Webinars	Connect, collaborate, 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	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 »

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

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

Contact us

Provide feedback