AWS Ramp-Up Guide: Serverless

aws training and certification

Learn to design and build serverless applications using AWS Lambda, API Gateway for Serverless, and integration with other serverless for event-driven application development. You'll also learn how to secure, scale, and maintain serverless applications. If you're specifically interested in digital courses and labs to help you develop these skills, explore the Serverless Learning Plan at **explore.skillbuilder.aws**. 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		[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 Decoupled	20 minutes	[Digital Training »](#)
Introduction to Serverless Development	25 minutes	[Digital Training »](#)
Amazon API Gateway for Serverless Applications	75 minutes	[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
Buid 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 »
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	51 minutes	Video

Explore additional resources		
Learning Resource	**Description**	**Type**
Architecture Best Practices for Serverless	Learn how to build modern applications with increased agility and lower total cost of ownership using serverless architectures.	Explore »
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. 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 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 »

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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**

For those learners who have existing Qwiklabs credits or those that want to use Qwiklabs instead of a subscription, you can search for the AWS labs in the Ramp Up Guide **here** and access from Qwiklabs.

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