

# AWS Ramp-Up Guide: Architect

For AWS Cloud Architects, Solutions Architects, and Engineers

AWS Training and Certification has created this guide that progresses from AWS fundamentals to advanced architecting concepts to help you develop scalable, elastic, secure, and highly available applications. **Explore AWS Ramp-Up Guides**, free digital training, classroom courses, videos, whitepapers, certifications, and more resources to help you build your knowledge and skills. To enroll in training and certification exams, and track your progress, visit [aws.training](https://aws.training) and set up a free account.

## Learn the fundamentals of the AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
What is Cloud Computing?	10 minutes	<a href="#">Webpage »</a>
Overview of AWS	2 hours	<a href="#">Whitepaper »</a>
Cloud Computing with AWS	10 minutes	<a href="#">Webpage »</a>
AWS Global Infrastructure Tool*	15 minutes	<a href="#">Webpage »</a>
AWS Glossary	30 minutes	<a href="#">Webpage »</a>
<i>Job Roles in the Cloud</i>	30 minutes	<a href="#">Digital Training »</a>
<i>AWS Cloud Practitioner Essentials</i>	6 hours	<a href="#">Digital Training »</a>
		<a href="#">Classroom Training »</a>

## Step 1: Learn cloud architect fundamentals

LEARNING RESOURCE	DURATION	TYPE
AWS Pricing*	15 minutes	<a href="#">Webpage »</a>
How AWS Pricing Works	45 minutes	<a href="#">Whitepaper »</a>
AWS Well-Architected*	15 minutes	<a href="#">Webpage »</a>
AWS Well-Architected Framework*	2 hours	<a href="#">Whitepaper »</a>
<i>Introduction to AWS Billing and Cost Management*</i>	5 minutes	<a href="#">Digital Training »</a>
<i>AWS Shared Responsibility Model</i>	5 minutes	<a href="#">Digital Training »</a>

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## Step 1 continued: Learn cloud architect fundamentals

LEARNING RESOURCE	DURATION	TYPE
Shared Responsibility Model	10 minutes	<a href="#">Webpage »</a>
AWS Security Best Practices	2 hours	<a href="#">Webpage »</a>
AWS Security Best Practices*	30 minutes	<a href="#">Blog Post »</a>
<i>AWS Technical Essentials</i>	1 day	<a href="#">Classroom Training »</a>

## Step 2: Learn AWS Cloud Architecting concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
<i>Architecting on AWS</i>	3 days	<a href="#">Classroom Training »</a>
<b>OPTIONAL</b> <i>Architecting on AWS - Accelerator</i>	5 days	<a href="#">Classroom Training »</a>
<i>Exam Readiness Intensive Workshop: AWS Certified Solutions Architect - Associate</i>	5 days	<a href="#">Classroom Training »</a>
AWS Architecture Center*	15 minutes	<a href="#">Webpage »</a>
AWS CLI Introduction	48 minutes	<a href="#">Video »</a>
Well-Architected Labs	2 hours	<a href="#">Hands-on lab »</a>
Introduction to AWS Security by Design	30 minutes	<a href="#">Whitepaper »</a>
Right Sizing: Provisioning Instances to Match Workloads	1 hour	<a href="#">Whitepaper »</a>
Overview of Security Processes	2.5 hours	<a href="#">Whitepaper »</a>
<i>Architecting Serverless Solutions</i>	3 hours	<a href="#">Digital Training »</a>
Serverless Application Lens	2.5 hours	<a href="#">Whitepaper »</a>
Building a Scalable and Secure Multi-VPC AWS Network	2 hours	<a href="#">Whitepaper »</a>
ITIL Event Management in the Cloud	30 minutes	<a href="#">Whitepaper »</a>

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## Step 2 continued: Learn AWS Cloud Architecting concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
Backup and Recovery Approaches Using AWS	30 minutes	<a href="#">Whitepaper »</a>
Amazon Virtual Private Cloud Connectivity Options	45 minutes	<a href="#">Whitepaper »</a>
Modern Application Development on AWS	1 hour	<a href="#">Whitepaper »</a>
Web Application Hosting in the AWS Cloud	30 minutes	<a href="#">Whitepaper »</a>
Overview of Deployment Options on AWS	2 hours	<a href="#">Whitepaper »</a>
Guidelines for Implementing AWS Well-Architected Framework*	2 hours	<a href="#">Whitepaper »</a>
AWS Certified Solutions Architect – Associate	15 minutes	<a href="#">Webpage »</a>

## Step 3: Take the AWS Certified Solutions Architect - Associate exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Solutions Architect – Associate</i>	2 hours	<a href="#">Digital Training »</a>
	4 hours	<a href="#">Classroom Training »</a>
AWS Certified Solutions Architect – Associate exam guide and sample questions	10 minutes	<a href="#">Exam Guide »</a>
	30 minutes	<a href="#">Sample Questions »</a>
AWS Certified Solutions Architect – Associate exam	130 minutes	<a href="#">Exam »</a>

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## Step 4: Learn advanced AWS Cloud Architecting concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
<i>Advanced Architecting on AWS</i>	3 days	<a href="#">Classroom Training »</a>
Sample CloudFormation Templates	10 minutes	<a href="#">Webpage »</a>
Best Practices for Building Amazon Machine Images (AMIs)	10 minutes	<a href="#">Webpage »</a>
AWS Database Migration Service Best Practices	30 minutes	<a href="#">Whitepaper »</a>
Using AWS for Disaster Recovery	5 minutes	<a href="#">Webpage »</a>
Managing Your AWS Infrastructure at Scale	1 hour	<a href="#">Whitepaper »</a>
Serverless Architectural Patterns and Best Practices (from AWS re:Invent)	1 hour	<a href="#">Video »</a>
Migrating AWS Resources to a New Region	1 hour	<a href="#">Whitepaper »</a>

## Step 5: Take the AWS Certified Solutions Architect – Professional exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Solutions Architect – Professional</i>	4 hours	<a href="#">Digital Training »</a>
	1 day	<a href="#">Classroom Training »</a>
AWS Certified Solutions Architect - Professional exam guide	10 minutes	<a href="#">Exam Guide »</a>
AWS Certified Solutions Architect - Professional sample questions	30 minutes	<a href="#">Sample Questions »</a>
AWS Certified Solutions Architect - Professional exam	3 hours	<a href="#">Exam »</a>

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Explore additional resources		
LEARNING RESOURCE	DESCRIPTION	
AWS Architecture Center	Reference architecture diagrams, vetted solutions, Well-Architected best practices, and more.	<a href="#">Explore »</a>
Learning Library	Continue to learn by exploring our extensive portfolio of free digital and classroom training.	<a href="#">Explore »</a>
AWS Whitepapers & Guides	Explore technical whitepapers, guides, and reference material, all authored by the AWS community.	<a href="#">Explore »</a>
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	<a href="#">Explore »</a>
AWS Events & Webinars	Connect with, collaborate with, and learn from AWS experts.	<a href="#">Explore »</a>
AWS Podcast	Listen and learn about AWS.	<a href="#">Explore »</a>
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	<a href="#">Explore »</a>
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	<a href="#">Explore »</a>
AWS Knowledge Center	Review AWS Support's responses to AWS customers' most frequently asked questions.	<a href="#">Explore »</a>
AWS FAQs	Find answers to product- and technical-related frequently asked questions.	<a href="#">Explore »</a>
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	<a href="#">Explore »</a>
AWS Solutions Library	Use vetted, technical reference implementations to help you solve problems and build faster.	<a href="#">Explore »</a>
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	<a href="#">Explore »</a>
Amazon Builders' Library	Learn how Amazon builds and operates software.	<a href="#">Explore »</a>
AWS Twitch Channel	Learn how millions of customers are currently leveraging AWS cloud products and solutions.	<a href="#">Explore »</a>
AWS Twitch for Developers	Join the developer education and community with AWS Live Video.	<a href="#">Explore »</a>
AWS Security Documentation	Configure AWS services to meet your security and compliance objectives.	<a href="#">Explore »</a>

**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](#).