

AWS Ramp-Up Guide: Architect

For AWS Cloud architects, Solutions architects, and 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.

Learn the fundamentals of AWS Cloud

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

Step 1: Learn cloud architect fundamentals

LEARNING RESOURCE	DURATION	TYPE
AWS Pricing	15 minutes	Webpage »
How AWS Pricing Works	45 minutes	Whitepaper »
AWS Well-Architected	15 minutes	Webpage »
AWS Well-Architected Framework	2 hours	Whitepaper »
<i>AWS Well Architected Tool</i>	10 minutes	Digital Training »
<i>The Well Architected Review</i>	15 minutes	Digital Training »
<i>Introduction to AWS Billing and Cost Management</i>	10 minutes	Digital Training »
<i>AWS Shared Responsibility Model</i>	5 minutes	Digital Training »
Shared Responsibility Model	10 minutes	Webpage »
Best Practices for Security, Identity, & Compliance	2 hours	Webpage »
AWS Security Best Practices	30 minutes	Blog »
<i>AWS Technical Essentials</i>	1 day	Classroom Training »

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Step 2: Learn AWS Cloud Architecting concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
<i>AWS Well Architected</i>	1.5 hours	Digital Training »
<i>The Operational Excellence Pillar</i>	10 minutes	Digital Training »
<i>The Performance Efficiency Pillar</i>	15 minutes	Digital Training »
<i>The Security Pillar</i>	10 minutes	Digital Training »
<i>The Reliability Pillar</i>	10 minutes	Digital Training »
<i>The Cost Optimization Pillar</i>	10 minutes	Digital Training »
<i>Architecting on AWS</i>	3 days	Classroom Training »
OPTIONAL <i>Architecting on AWS - Accelerator</i>	5 days	Classroom Training »
<i>Exam Readiness Intensive Workshop: AWS Certified Solutions Architect - Associate</i>	5 days	Classroom Training »
AWS Architecture Center	15 minutes	Webpage »
AWS CLI Introduction	48 minutes	Video »
Well-Architected Labs	60 hours	Self-Paced Lab »
Introduction to AWS Security by Design	30 minutes	Whitepaper »
Right Sizing: Provisioning Instances to Match Workloads	1 hour	Whitepaper »
<i>Architecting Serverless Solutions</i>	3 hours	Digital Training »
Serverless Application Lens	2.5 hours	Whitepaper »
Building a Scalable and Secure Multi-VPC AWS Network	2 hours	Whitepaper »
Backup and Recovery Approaches Using AWS	30 minutes	Whitepaper »
Amazon Virtual Private Cloud Connectivity Options	45 minutes	Whitepaper »
Modern Application Development on AWS	1 hour	Whitepaper »

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

LEARNING RESOURCE	DURATION	TYPE
Web Application Hosting in the AWS Cloud	30 minutes	Whitepaper »
Overview of Deployment Options on AWS	2 hours	Whitepaper »
Guidelines for Implementing AWS Well-Architected Framework	2 hours	Whitepaper »
AWS Certified Solutions Architect - Associate	15 minutes	Webpage »

Step 3: Build Knowledge with Self-Paced Labs

LEARNING RESOURCE	DURATION	TYPE
Building Your First Amazon Virtual Private Cloud (VPC)	85 minutes	Self-Paced Lab »
Introduction to Amazon Simple Storage Service (S3)	60 minutes	Self-Paced Lab »
Introduction to Elastic Load Balancing	50 minutes	Self-Paced Lab »
Introduction to AWS Key Management Service	50 minutes	Self-Paced Lab »
Implementing Multi-Region Backup with Amazon S3 Cross-Region Replication	90 minutes	Self-Paced Lab »
Working with Amazon CloudFront for Dynamic Content Acceleration	80 minutes	Self-Paced Lab »
Auditing Your Security with AWS Trusted Advisor	85 minutes	Self-Paced Lab »
Monitoring Security Groups with AWS Config	60 minutes	Self-Paced Lab »
Monitoring Security Groups with Amazon CloudWatch Events	60 minutes	Self-Paced Lab »
Update Security Groups Automatically Using AWS Lambda	60 minutes	Self-Paced Lab »
Launching and Managing a Web Application with AWS CloudFormation	50 minutes	Self-Paced Lab »
AWS Federated Authentication with AD FS	2 hours	Self-Paced Lab »
Policy Creation Challenge	2 hours	Self-Paced Lab »

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Step 4: Take the *AWS Certified Solutions Architect – Associate* certification exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Solutions Architect – Associate</i>	2 hours	Digital Training »
<i>AWS Certified Solutions Architect – Associate exam guide</i>	10 minutes	Exam Guide »
<i>AWS Certified Solutions Architect – Associate sample questions</i>	30 minutes	Sample Questions »
<i>AWS Certified Solutions Architect – Associate certification exam</i>	130 minutes	Exam »

Step 5: Learn advanced AWS Cloud Architecting concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
<i>Advanced Architecting on AWS</i>	3 days	Classroom Training »
Sample CloudFormation Templates	10 minutes	Webpage »
Best Practices for Building Amazon Machine Images (AMIs)	10 minutes	Webpage »
CloudEndure Disaster Recovery	5 minutes	Webpage »
Serverless Architectural Patterns and Best Practices (from AWS re:Invent)	1 hour	Video »
Migrating AWS Resources to a New Region	1 hour	Whitepaper »

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Step 6: Take the *AWS Certified Solutions Architect – Professional* certification exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Solutions Architect – Professional</i>	4 hours	Digital Training »
<i>AWS Certified Solutions Architect - Professional exam guide</i>	10 minutes	Exam Guide »
<i>AWS Certified Solutions Architect - Professional sample questions</i>	30 minutes	Sample Questions »
<i>AWS Certified Solutions Architect - Professional certification exam</i>	3 hours	Exam »

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Explore additional resources

LEARNING RESOURCE	DESCRIPTION	
AWS Architecture Center	Explore reference architecture diagrams and solutions, best practices, patterns, icons, and more.	Explore »
Learning Library	Continue to learn by exploring our extensive portfolio of free digital training and classroom training.	Explore »
AWS Whitepapers & Guides	Explore AWS technical whitepapers, guides, reference material, and 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, 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.	Webpage »
The Amazon 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 Live Video	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

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Provide feedback