AWS Ramp-Up Guide: Security

For AWS Cloud Security, Governance and Compliance Professionals

aws training and certification

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 training, classroom courses, videos, whitepapers, certifications, and other information you're looking for.

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	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: Learn the cloud security fundamentals

LEARNING RESOURCE	DURATION	TYPE
How Should We All Think About Security (from AWS re:Invent)	1 hour	Video »
AWS Fundamentals: Securing your AWS Cloud	50 minutes	Digital Training »
AWS Philosophy of Security (from AWS re:Invent)	1 hour	Video »
AWS Shared Responsibility Model	5 minutes	Digital Training »
Getting Started with AWS Security, Identity, & Compliance	3 hours	Digital Training »
AWS Security Fundamentals (Second Edition)	2 hours	Digital Training »
AWS Security Essentials	1 day	Classroom Training »

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Step 1 continued: Learn the cloud security fundamentals

LEARNING RESOURCE	DURATION	TYPE
Introduction to AWS Identity and Access Management (IAM)	30 minutes	Hands-on Lab »
Cloud Adoption Framework: Security Perspective	2 hours	Whitepaper »
Security Pillar AWS Well-Architected Framework	1 hour	Whitepaper »
AWS Fundamentals: Addressing Security Risk	5 hours	Digital Training »
Authentication and Authorization with AWS Identity and Access Management	15 minutes	Digital Training »
Amazon Web Services: Overview of Security Processes	2 hours	Whitepaper »
How to quickly find and update your access keys, password, MFA setting using the AWS Management Console	10 minutes	Blog Post »
Getting started with AWS identity (from AWS re:Invent)	1 hour	Video »
Protecting Your Instance with Security Groups	10 minutes	Digital Training »
Differences Between Security Groups and NACLs	10 minutes	Digital Training »
AWS Well-Architected Training	1 hour 30 minutes	Digital Training »
How to think about cloud security governance	15 minutes	Blog Post »
Well-Architected Security Labs (100 level)	4 hours	Hands-on Labs »
Architecting on AWS	3 days	Classroom Training »
Top 10 security items to improve in your AWS account	10 minutes	Blog Post »

Step 2: Learn cloud security concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
Introduction to AWS Security by Design	2 hours	Whitepaper »
AWS Security Hub Automated Response and Remediation	30 minutes	Webpage »

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Step 2 continued: Learn cloud security concepts and best practices

LEARNING RESOURCE	DURATION	TYPE
AWS Key Management Best Practices	1 hour	Whitepaper »
A Deep Dive into AWS Encryption Services (from AWS re:Invent)	1 hour	Video »
Best Practices for Choosing Identity Solutions for Applications (from AWS re:Inforce)	45 minutes	Video »
Well-Architected Security Labs (200 level)	8 hours	Hands-on Labs »
Security at Scale: Logging in AWS	1 hour	Whitepaper »
Security Engineering on AWS	3 days	Classroom Training »
Well-Architected Security Labs (300 level)	3 hours	Hands-on Labs »
Best Practices for Security, Identity, & Compliance	4 hours	Webpage »
How to use AWS Organizations to simplify security at enormous scale	15 minutes	Blog Post »
AWS Security Workshops	14 hours	Hands-on Lab »
AWS Cloud Compliance	30 minutes	Webpage »
Amazon Web Services: Risk and Compliance	2 hours	Whitepaper »
AWS WAF Workshop	2 hours	Hands-on Lab »
AWS Security Incident Response Guide	2 hours	Whitepaper »
Scaling threat detection and response in AWS	3 hours	Hands-on Lab »
Getting Hands on with Amazon GuardDuty	2 hours	Hands-on Lab »

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Step 3: Prepare for and take the AWS Certified Security – Specialty certification exam

LEARNING RESOURCE	DURATION	TYPE
Exam Readiness: AWS Certified Security - Specialty	4 hours 1 day	Digital Training » Classroom Training »
AWS Certified Security – Specialty Exam sample questions	2 hours	Sample Questions »
AWS Certified Security – Specialty Exam exam guide	2 hours	Guide »
AWS Certification prep including timed practice exams	2 hours	Exam »
AWS Certified Security - Specialty certification exam	2 hours	Exam »

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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.	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 »

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**.