



AWS Ramp-Up Guide: Security, Identity and Compliance

For AWS Cloud security, identity, and compliance professionals

These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to Cloud Security domain. This guide is not intended to be consumed entirely. Different sections tackle different objectives. Some resources will be less relevant to you today. The guide will help you decide where you want to start your learning journey, and which step should be your next.

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Learn the Fundamentals of the Cloud			
Learning Resource		Duration (hrs)	Type
AWS Cloud Practitioner Essentials <i>or...</i>	Fundamental	6.0	Digital Training
AWS Technical Essentials	Fundamental	4.0	Digital Training
AWS Compute Services Overview	Fundamental	0.7	Digital Training
\$ Building Your First Amazon Virtual Private Cloud (VPC)	Fundamental	1.5	Self-paced Lab
\$ Introduction to AWS Lambda	Fundamental	0.8	Self-paced Lab
\$ Introduction to Amazon Simple Storage Service (S3)	Fundamental	1.5	Self-paced Lab
AWS Cloud Security Fundamentals			
Learning Resource		Duration (hrs)	Type
\$ AWS Security Essentials	Fundamental	8.0	Classroom Training
\$ AWS Security Essentials (Digital)	Fundamental	8.0	Digital Classroom Training
AWS Security Fundamentals (Second Edition)	Intermediate	2.0	Digital Training
Identity and Access Management			
Learning Resource		Duration (hrs)	Type
Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.1	Digital Training
AWS Identity and Access Management - Architecture and Terminology	Fundamental	0.2	Digital Training
Getting Started with AWS Control Tower	Fundamental	1.0	Digital Training
Introduction to AWS Security Token Services (STS)	Fundamental	0.3	Digital Training
Troubleshooting: AWS Identity and Access Management	Intermediate	1.0	Digital Training
\$ Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.8	Self-paced Lab
\$ Lab - Troubleshooting - IAM Access Issues	Intermediate	1.0	Self-paced Lab



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Threat Detection and Incident Response			
Learning Resource		Duration (hrs)	Type
Amazon Security Lake Getting Started	Fundamental	1.0	Digital Training
Getting Started with AWS Security Hub	Fundamental	1.0	Digital Training
Getting Started with Amazon GuardDuty	Fundamental	1.0	Digital Training
Getting Started with AWS CloudTrail	Fundamental	1.0	Digital Training
Getting Started with Amazon Detective	Fundamental	1.0	Digital Training
Threat Modeling the Right Way for Builders Workshop	Intermediate	3.0	Digital Training
AWS Security Best Practices: Monitoring and Alerting	Intermediate	2.0	Digital Training
\$ Scale Your Security Vulnerability Testing with Amazon Inspector	Intermediate	2.5	Self-paced Lab
AWS Security Incident Response Overview	Fundamental	1.7	Digital Training
AWS Security Incident Response - Compromised IAM Credentials Use Case	Intermediate	0.7	Digital Training
AWS Security Incident Response - Ransomware Use Case	Intermediate	0.8	Digital Training
AWS Security Incident Response - Cryptomining Use Case	Advanced	0.8	Digital Training

Data Protection			
Learning Resource		Duration (hrs)	Type
\$ Introduction to AWS Key Management Service	Fundamental	1.0	Self-paced Lab
Amazon Macie - Getting Started	Fundamental	1.0	Digital Training

Infrastructure Security			
Learning Resource		Duration (hrs)	Type
Protecting Your Instance with Security Groups	Fundamental	0.1	Digital Training
Differences Between Security Groups and NACLs	Fundamental	0.1	Digital Training
Getting Started with AWS Systems Manager	Fundamental	1.0	Digital Training
AWS Networking Basics	Fundamental	2.0	Digital Training
AWS Security Best Practices: Network Infrastructure	Intermediate	1.5	Digital Training
AWS Security Best Practices: Computing	Intermediate	2.0	Digital Training
Protect Your Web-facing Workloads with AWS Security Services	Intermediate	0.7	Digital Training
Deep Dive on Container Security	Advanced	0.5	Digital Training



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\$ Controlling the Network	Intermediate	1.0	Self-paced Lab
\$ Amazon Inspector - Getting Started	Fundamental	1.0	Self-paced Lab

Compliance

Learning Resource		Duration (hrs)	Type
\$ AWS Security Governance at Scale ...or...	Intermediate	8.0	Classroom Training
\$ AWS Security Governance at Scale (Digital)	Intermediate	8.0	Digital Classroom Training
Cloud Audit Academy - Cloud Agnostic	Fundamental	3.0	Digital Training
Getting Started with AWS Config	Fundamental	1.5	Digital Training
Getting Started with AWS Audit Manager	Fundamental	1.5	Digital Training
Security Governance at Scale – Technical	Intermediate	4.0	Digital Training
Auditing Amazon Simple Storage Service (Amazon S3) Security	Intermediate	1.0	Digital Training
Security Governance at Scale – Technical (Digital)	Intermediate	4.0	Digital Training
Cloud Audit Academy FDW Interactive Modules	Advanced	2.0	Digital Training
\$ Performing a Basic Audit of your AWS Environment	Fundamental	1.0	Self-paced Lab
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Game-based Learning

Learning Resource		Duration (hrs)	Type
\$ Build Up AWS Security Skills		6+	Game-based Learning
\$ AWS Cloud Quest: Security		12.0	Game-based Learning

Putting It All Together

Learning Resource		Duration (hrs)	Type
\$ AWS Security Best Practices ...or...	Intermediate	8.0	Classroom Training
\$ AWS Security Best Practices (Digital)	Intermediate	8.0	Digital Classroom Training
\$ AWS Security Engineering on AWS	Intermediate	18.0	Classroom Training
\$ AWS Cloud Quest: Security			Game-Based Learning
Exam Readiness: AWS Certified Security - Specialty		2.0	Digital Training
AWS Certified Security - Specialty Official Practice Question Set (SCS-C02 - English)		1.0	Digital Training



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Additional Resources	
Learning Resource	Type
Threat Detection and Incident Response	
AWS Security Incident Response Guide	Technical Guide
Logging strategies for security incident response	Blog
Introducing Amazon Security Lake	Video
Threat Detection and Response with Amazon GuardDuty and Amazon Detective	Workshop
Security Hub Workshop	Workshop
Unauthorized IAM Credential Use - Security Event Simulation and Detection	Workshop
Identity and Access Management (IAM)	
Become an IAM Policy Master in 60 Minutes or Less	Video
Simplify your existing workforce access with IAM Identity Center	Video
Using IAM Identity Center (successor to AWS Single Sign-On) to achieve strong identity management	Workshop
How and when to use different IAM policy types	Workshop
Data Protection	
Encryption On AWS - Tutorial	Workshop
Scaling your encryption at rest capabilities with AWS KMS	Workshop
AWS Secrets Manager Workshop	Workshop
Using Amazon Macie for data protection and governance	Video
Data Discovery and Classification with Amazon Macie	Workshop
AWS cryptographic services and tools	Documentation
Scaling your encryption at rest capabilities with AWS KMS	Workshop
Infrastructure Security	
AWS WAF Workshop	Workshop
Compliance	
Compliance Resources	Website



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AWS Compliance Solutions Guide

[Website](#)

Amazon Web Services: Risk and compliance

[Whitepaper](#)

Management and Governance Cloud Environment Guide

[Website](#)

How to protect sensitive data for its entire lifecycle in AWS

[Blog](#)

Prepare for an Audit in AWS – AWS Audit Manager, AWS Config, and AWS Artifact

[Blog](#)

Additional Resources

Top 10 security items to improve in your AWS account

[Blog](#)

AWS Security Website

[Website](#)