



# 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.

[Leave feedback](#)

Learn the Fundamentals of the Cloud			
Learning Resource		Duration (hrs)	Type
AWS Cloud Practitioner Essentials <i>or...</i>	Fundamental	6.0	<a href="#">Digital Training</a>
AWS Technical Essentials	Fundamental	4.0	<a href="#">Digital Training</a>
AWS Compute Services Overview	Fundamental	0.7	<a href="#">Digital Training</a>
\$ Building Your First Amazon Virtual Private Cloud (VPC)	Fundamental	1.5	<a href="#">Self-paced Lab</a>
\$ Introduction to AWS Lambda	Fundamental	0.8	<a href="#">Self-paced Lab</a>
\$ Introduction to Amazon Simple Storage Service (S3)	Fundamental	1.5	<a href="#">Self-paced Lab</a>

  

AWS Cloud Security Fundamentals			
Learning Resource		Duration (hrs)	Type
\$ AWS Security Essentials	Fundamental	8.0	<a href="#">Classroom Training</a>
\$ AWS Security Essentials (Digital)	Fundamental	8.0	<a href="#">Digital Classroom Training</a>
AWS Security Fundamentals (Second Edition)	Intermediate	2.0	<a href="#">Digital Training</a>

  

Identity and Access Management			
Learning Resource		Duration (hrs)	Type
Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.1	<a href="#">Digital Training</a>
AWS Identity and Access Management - Architecture and Terminology	Fundamental	0.2	<a href="#">Digital Training</a>
Getting Started with AWS Control Tower	Fundamental	1.0	<a href="#">Digital Training</a>
Introduction to AWS Security Token Services (STS)	Fundamental	0.3	<a href="#">Digital Training</a>
Troubleshooting: AWS Identity and Access Management	Intermediate	1.0	<a href="#">Digital Training</a>
\$ Introduction to AWS Identity and Access Management (IAM)	Fundamental	0.8	<a href="#">Self-paced Lab</a>
\$ Lab - Troubleshooting - IAM Access Issues	Intermediate	1.0	<a href="#">Self-paced Lab</a>



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

Data Protection			
Learning Resource		Duration (hrs)	Type
\$ Introduction to AWS Key Management Service	Fundamental	1.0	<a href="#">Self-paced Lab</a>
Amazon Macie - Getting Started	Fundamental	1.0	<a href="#">Digital Training</a>

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



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\$ Controlling the Network	Intermediate	1.0	<a href="#">Self-paced Lab</a>
\$ Amazon Inspector - Getting Started	Fundamental	1.0	<a href="#">Self-paced Lab</a>
<b>Compliance</b>			
Learning Resource		Duration (hrs)	Type
\$ AWS Security Governance at Scale ... <i>or...</i>	Intermediate	8.0	<a href="#">Classroom Training</a>
\$ AWS Security Governance at Scale (Digital)	Intermediate	8.0	<a href="#">Digital Classroom Training</a>
Cloud Audit Academy - Cloud Agnostic	Fundamental	3.0	<a href="#">Digital Training</a>
Getting Started with AWS Config	Fundamental	1.5	<a href="#">Digital Training</a>
Getting Started with AWS Audit Manager	Fundamental	1.5	<a href="#">Digital Training</a>
Security Governance at Scale – Technical	Intermediate	4.0	<a href="#">Digital Training</a>
Auditing Amazon Simple Storage Service (Amazon S3) Security	Intermediate	1.0	<a href="#">Digital Training</a>
Security Governance at Scale – Technical (Digital)	Intermediate	4.0	<a href="#">Digital Training</a>
Cloud Audit Academy FDW Interactive Modules	Advanced	2.0	<a href="#">Digital Training</a>
\$ Performing a Basic Audit of your AWS Environment	Fundamental	1.0	<a href="#">Self-paced Lab</a>
<b>Game-based Learning</b>			
Learning Resource		Duration (hrs)	Type
\$ Build Up AWS Security Skills		6+	<a href="#">Game-based Learning</a>
\$ AWS Cloud Quest: Security		12.0	<a href="#">Game-based Learning</a>
<b>Putting It All Together</b>			
Learning Resource		Duration (hrs)	Type
\$ AWS Security Best Practices ... <i>or...</i>	Intermediate	8.0	<a href="#">Classroom Training</a>
\$ AWS Security Best Practices (Digital)	Intermediate	8.0	<a href="#">Digital Classroom Training</a>
\$ AWS Security Engineering on AWS	Intermediate	18.0	<a href="#">Classroom Training</a>
\$ AWS Cloud Quest: Security			<a href="#">Game-Based Learning</a>
Exam Readiness: AWS Certified Security - Specialty		2.0	<a href="#">Digital Training</a>
AWS Certified Security - Specialty Official Practice Question Set (SCS-C02 - English)		1.0	<a href="#">Digital Training</a>



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



# AWS Ramp-Up Guide: Security, Identity and Compliance

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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](#)