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Build your cloud security skills to innovate with confidence

How security training from AWS can help you boldly pursue your biggest cloud goals

The cloud security opportunity

Today, security is everyone's business—and it's the foundation of everything you do in the cloud. As more data passes across the digital ecosystem, creating and maintaining sound security practices have become essential responsibilities for a wide range of roles.

According to an IDC report, the most significant concern cited by organizations across the cloud journey is related to security.[1] By [building timely, relevant cloud security skills](#) with AWS Training and Certification, you can gain the confidence and peace of mind to innovate more freely as you work in the cloud. Get the knowledge you need to help advance your career, discover new opportunities while avoiding risks, and create more engaging customer experiences.

In this e-book, we'll provide answers to your most pertinent questions about your cloud security training journey. We'll cover why now is the right time to improve your skills, what to expect from your AWS Training experience, and the best ways to get started.

"Cybersecurity is everywhere. We've reached the tipping point where everyone in IT needs at least some exposure to cybersecurity. Meanwhile, cybersecurity itself is no longer a single job, but has evolved into several related specialties that each require further education and training."

– Dave Buster, Global Senior Portfolio Director for Cybersecurity, Global Knowledge [2]

Why should I build my cloud security skills now?

Today's cloud technology is transforming security from an inhibitor of progress into a critical enabler of success. Learning to understand and apply the latest security best practices allows you to do more in the cloud—helping you stand out among your peers and driving new career opportunities.

Benefits of cybersecurity training now include the ability for you to:

Advance your career

Open up new opportunities by capitalizing on the high demand for, and low supply of, individuals with cloud security skills.

IT leaders identify cybersecurity as the #1 most challenging area for finding qualified talent[3]

Resolve more security issues

Learning to remediate a wider range of security issues helps keep management happy—while giving you the latitude to experiment with greater freedom.

Comprehensively trained organizations are 1.8x more likely to resolve security concerns[4]

Stay current

The security landscape never stops changing. Knowing the latest best practices—through training, pursuing certification, or both—is a critical differentiator.

48% of all IT professionals are actively pursuing a cybersecurity certification[5]

[3] Global Knowledge 2019 IT Skills and Salary Report

[4] IDC whitepaper, sponsored by Amazon Web Services. Train to Accelerate Your Cloud Strategy. October 2017

[5] "Top 10 Most Popular Cybersecurity Certifications in 2020," published in Forbes, June 16, 2020

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What should I expect from AWS Cloud security training?

AWS Training and Certification gives you the flexibility to learn security concepts and real-world knowledge on your own terms. Learn how, when, and where you want—with curriculum developed by AWS experts.

Study at your own pace with on-demand digital courses. Get an overview of AWS security technologies, use cases, benefits, and services. And gain a foundational understanding of cloud security topics.

Instructor-led classroom courses, available virtually or in person, provide hands-on experience that can directly translate to your role and responsibilities. Learn fundamental to intermediate security skills, and take advantage of opportunities to dive deeper, ask questions, and work through solutions. Plus, get feedback from AWS-accredited instructors with deep knowledge of AWS security best practices.

You'll also explore your role in the AWS Shared Responsibility Model, which delineates the security responsibilities of AWS from those of our customers. AWS is responsible for protecting AWS Cloud infrastructure (i.e., "security *of* the AWS Cloud"). You're responsible for some of what happens in your cloud deployment (i.e., "security *in* the AWS Cloud"), but the specifics depend on which AWS services you decide to use.

> **No matter your goals, expertise, or learning style, you'll find plenty of options that can help you build your security skills quickly and effectively.**

How do I get started?

Any of the following digital courses are great places to start your journey. All of them are available free and on demand, so you can start building your cloud security skills whenever you're ready.

Getting Started with AWS Security, Identity, and Compliance »
Digital (on demand) 🕐 **3 hours**

Get an overview of AWS security technology, use cases, benefits, and services

AWS Foundations: Securing Your AWS Cloud »
Digital (video) ⬤ **50 minutes**

Get introduced to security design principles and learn how AWS services can help

AWS Security Fundamentals »
Digital (on demand) 🕐 **2 hours**

Learn about access control, encryption, and available AWS security-oriented services

AWS Shared Responsibility Model »
Digital (video) 🕐 **5 minutes**

Get an introduction to the model and the division of security responsibility

Where do I go next?

Once you have a basic understanding of AWS Cloud security, further your skill building with the following courses. They can help you learn how to leverage specific services across various use cases and industries.

Protect Your Web-facing Workloads with AWS Security Services »
Digital (video) ⏱ **40 minutes**

See how you can build an intelligent, self-defending border to protect your assets

Introduction to Healthcare & Life Sciences (HCLS) Compliance on AWS »
Digital (on demand) ⏱ **80 minutes**

Learn how to stay within HIPAA, GxP, and international data privacy regulations

Protecting Your Instance with Security Groups »
Digital (video) ⏱ **10 minutes**

Review how to secure access to your individual instances within AWS

Cloud Audit Academy »
Digital (on demand) ⏱ **3 hours**

Dive into cloud-specific security audit considerations and best practices

Security professionals and others with the relevant experience can also work toward earning the AWS Certified Security—Specialty certification. This industry-recognized credential demonstrates your knowledge of securing your applications and data in the AWS Cloud.

We also offer an exam readiness course and other preparatory materials to help assist with your learning.

If you need further guidance, use our Ramp-Up Guide as your go-to reference for links and details on all of our security-related courses, videos, whitepapers, and more.

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Can I get training from an instructor?

In addition to the on-demand courses we've listed thus far, we offer classroom courses—available virtually or in person—which allow you to engage with AWS-accredited instructors. These courses provide a more in-depth and hands-on learning experience, giving you the ability to ask questions as you work through use cases and solutions.

AWS Security Essentials »
Classroom (live; virtual or in person) ⏱ **1 day**

Review fundamental aspects of cloud security concepts such as access control, data encryption methods, and how network access to your AWS infrastructure can be secured.

Security Engineering on AWS »
Classroom (live; virtual or in person) ⏱ **3 days**

Learn recommended practices for enhancing the security of your data and systems in the AWS Cloud. The course also highlights the security features of several AWS services, including compute, storage, networking, and database services.

Exam Readiness: AWS Certified Security – Specialty »
Classroom (live; virtual or in person) ⏱ **1 day**

Prepare for the exam by exploring test topics and mapping them to specific areas to study. Review sample exam questions in each topic area, and learn how to interpret the concepts being tested so that you can better eliminate incorrect responses.

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Build cloud security skills.
Innovate with confidence.

Now that you understand the importance of building your cloud security skills, it's time for your journey to begin. Learning the latest best practices can empower you to think bigger, be bolder, and confidently innovate toward a brighter (and more secure) future in the cloud.

AWS Training and Certification can help make your cloud security journey a fast, efficient, and flexible one. Get started today with our free digital training—and discover how AWS security training can open new possibilities for your career, your team, and your organization.

Get started »

"The cloud allows security engineers … to fix issues CISOs have been trying to fix for the past 30 years. Now we can get innovative, creative, (and) disruptive."

– Brian Lozada, CISO, Dataminr[6]