DATA SHEET

Cloud Security

Stay at the forefront of Cloud Security

Organizations are constantly at risk of existing and emerging threats, and the fast pace of designing and building cloud workloads means more vulnerabilities will always surface. You need a security-first mindset covering every aspect of cloud development to reduce these risks.

Immersive Labs assesses and enhances the cloud security capabilities of everyone involved in cloud workloads, whether designing, developing, or administering. Whether you're just starting, or a seasoned pro, Immersive Labs' industry-leading content keeps you at the forefront of cloud security.
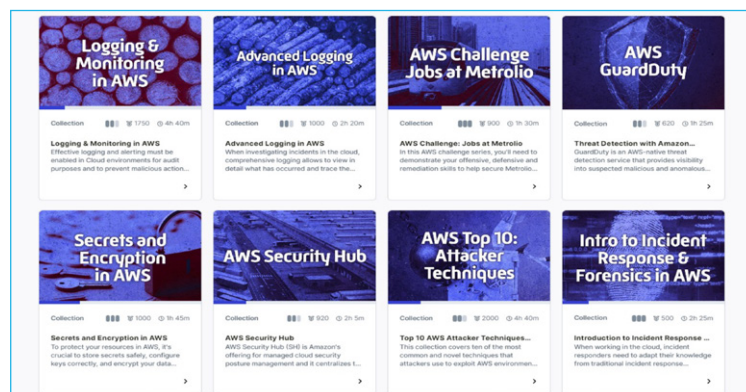
Benefits

- Users are able to quickly identify and fix vulnerabilities, reducing risk and increasing productivity
- Upskill and practice security teams' response to cyber incidents in the Cloud, reducing mean time to remediation
- Introduce teams to modern attacker tactics, techniques, and procedures in the cloud, giving them an understanding of common threats
- Hire and upskill junior DevSecOps professionals to reduce hiring costs

Audiences

- Defensive Cybersecurity Professionals
- CloudSec Engineers & Architects
- DevOps Engineers
- Cloud & Infrastructure Security

Hands-On Labs in Real Cloud Environments
Our Hands-On Cloud labs allow our users to interact with real technologies and tools via on-demand enterprise realistic environments delivered through the browser, with no tools needing to be downloaded.

Automatic Detection of Task Completion
Our labs use AI to recognize when a specific task or activity has been successfully finished without the need for human intervention or explicit feedback. As well as improving the user experience, the efficiency and accuracy of lab completion also increases.

Industry-Leading Content
Our Cloud security labs equip individuals with the knowledge and skills needed to understand and mitigate the unique security risks associated with cloud computing. The breadth and depth of our labs means that there really is something for all levels of professionals.

Proof of Capability
Leverage data insights to measure and map the maturity of your organization's Engineering, CloudSec, and DevSecOps teams over time. With this, teams can prove their capability in numerous ways and identify weak points for improvement.

Trusted by the world's largest companies, governments, and defense organizations

Empowering Cyber Workforce Resilience

At Immersive Labs, we understand the significance of cloud security in today's rapidly evolving digital landscape. Whether you are a seasoned cloud engineer, a CISO, a defensive security specialist, or simply eager to learn about cloud security and its associated risks, our comprehensive cloud category offers a diverse range of techniques to bolster Cyber Workforce Resilience.

Our lab library is designed to cater to all levels of expertise and covers the latest and most relevant cloud technologies. Whether you are a developer utilizing Docker to build containers or a SOC Analyst responsible for monitoring AWS environments, our labs provide a solid foundation in cloud security and enable you to delve into more advanced and specialized security topics.

We recognize that secure design, implementation, and maintenance of cloud environments are crucial aspects for any organization. According to a 2023 report by IBM*, "82% of data breaches involve data stored in cloud environments," highlighting the ongoing and real risks organizations face. Therefore, the importance of correct configuration and robust protection measures cannot be overstated.

Our unique Task Verification technology ensures users are completing the labs following security best practices. This means practitioners can't brute force their way through labs and must show both ability and accuracy in their work. Ultimately, this creates a far more skilled, confident, and productive team, that can prove their competency and resilience.

*Source: 2023 IBM Security X-Force Cloud Threat Landscape Report

Supported Languages and Frameworks:

- Amazon Web Services
- Microsoft Azure (Sentinel)
- Kubernetes
- Terraform
- Docker
- Terraform (Azure, AWS, GCP)
- Apache
- NGINX
- OAuth & OpenID Connect
- HashiCorp Vault
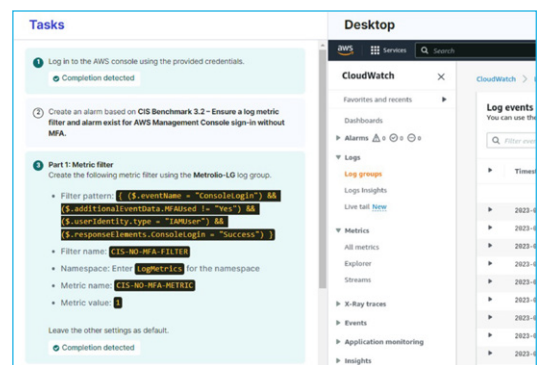
Key CloudSec Categories and Collections:

- DevSecOps
- Cloud Fundamentals
- Zero Trust in the Cloud
- VPC & Network Security
- Logging & Monitoring in AWS

- Identity & Access Management
- Building automated vulnerability management in the Cloud
- AWS Top 10: Attacker Techniques
- AWS GuardDuty

Certification & Compliance

Trusted by the world's largest organizations

Over **400** customers	**>3.5M** total labs completed	**>100,000** unique users	**>1,700** hands-on challenges

Let's get started! Ready to accelerate your Cyber Workforce Resilience journey with stress test exercises? Contact your Immersive Labs Account Manager to learn more.