GIAC Cloud Penetration Tester

Online Course

ZETLAN TECHNOLOGIES
www.zetlantech.com

Course Modules

1. AWS Authentication and Cloud Services

   o Understanding of the AWS authentication methods including the structure, policies, & identities used through IAM including Privilege Escalation in the AWS environment.

   o Demonstrate understanding of the Amazon KMS and Lambda functions and fundamental use of exploitation tools for AWS.

2. Azure Functions and Windows Containers

   Understanding of the Azure Functions capability & the differences between it and AWS Lambda functions, code execution in the Azure environment including Windows Containers, & the Microsoft Graph tool.

3. Cloud CLI and Application Mapping

   Understanding of AWS and Azure CLI structure and application mapping through APIs and HTTP requests.

4. Cloud Native Applications and CI/CD Pipelines

Understanding of examples of cloud native applications and CI/CD pipelines and finding vulnerabilities in them.

5. Cloud Penetration Testing Fundamentals

Understanding of the fundamentals of penetration testing applied to cloud applications including recon, assessment, discovery and restrictions of cloud environments.

Understanding of the structure and configurations of public cloud infrastructures.

6. Containers and Kubernetes Structure

Understanding of application deployment in containers as well as the structure and configuration of Kubernetes and service meshes.

7. Discovering Cloud Services and Data

Discover and identify sources of exposure in cloud environments, including exposed ports, services, databases, secrets, and developer tools and repositories.

GIAC Cloud Penetration Tester

8. **Microsoft Azure Cloud Services and Attacks**

   Understanding of Microsoft Azure cloud services, web identity management and authentication standards, and attacks against Azure users and services.

9. **Password Attacks on Cloud Environments**

   Understanding of username harvesting and password attack methodologies and tools.

10. **Red Team Penetration Testing of Cloud Environments**

    Understanding of Red Team penetratn testing processes including exploitation and payload development and the tools associated with these concepts.

11. **Redirection and Attack Obfuscation**

    Understanding of the process of obfuscation of commands and attack structure through domain fronting & other tools, and pivoting using the proxies, and other methods.

12. **Web Application Attacks**

    Understanding of common web application attacks and how they impact cloud native applications and serverless functions.

LEARN REMOTELY!!

The efficiency of online learning in terms of time management, flexibility, and the ability to access resources anytime, anywhere can be compelling.

ZETLAN TECHNOLOGIES

www.zetlantech.com

For contact:+91 8680961847
+91 9600579474

Zetlan Technologies