

ABOUT THE COURSE

Mastering Cloud Penetration Testing (MCPT) is an instructor-led course designed for those who want to become an expert in the art of cloud PT. We will learn about cloud computing architecture, using tools involved in cloud penetration testing, explore the latest cloud infrastructure & platform attacks. We delve into modern methodologies to discover how to identify, report, & remediate vulnerabilities in a cloud environment.

With hands-on exercises, real-world scenarios, and a focus on best practices, the student will leave this course equipped with the knowledge and skills they need to secure their cloud infrastructure and applications.

Instructor- Led Online

Duration: 45 Hours



WHO SHOULD ATTEND ?

- Security Researchers
- Cloud Administrators
- DevOps Engineers
- Penetration Testers
- Red Teamers
- Security Enthusiasts
- Cloud Architects
- Bug Bounty Hunters



DARKRELAY

MASTERING CLOUD PENETRATION TESTING

For more information

Visit: www.darkrelay.com
Email: training@darkrelay.com



COURSE OUTLINE

Introduction

- Cloud 101
- Cloud vs On Prem PT
- Taking Notes
- Lab Setup
- Introduction to AWS
- AWS Components
- AWS vs Azure vs Google
- Application Security Standards
- Introduction to Kali Linux
- OWASP Checklist & Testing Guide

Cloud Reconnaissance

- Passive Reconnaissance
- Active Reconnaissance

Cloud Security Auditing & Analysis

- Creating Security Auditor
- Using Pacu
- Using ScoutSuite
- Using AWS Inspector

Enumerating Web Applications

Web Attacks in Cloud

- Common Web Vulnerabilities
- OWASP Web Testing Checklist
- Application Security Standards
- SQL Injection (SQLi)
- Cross Site Scripting (XSS)
- OS Command Injection (Ci)

Web API Attacks in Cloud

- Using Swagger & Postman
- OWASP API Top 10
- Enumerating API Applications
- API Username Enumeration



- Injection Attacks
- File Upload Attacks
- Mass Assignment
- Rate Limiting

ECR and ECS Security

- Lab Setup & Tooling
- Container Scanning

Testing AWS Services

- Lab Setup
- Testing Lambda Functions
- SSRF
- Escalation Of Privileges
- AWS Exploitation Frameworks

Conclusion

- CVSS Scoring
- Professional Report Writing
- Next Steps

ABOUT DARKRELAY

Founded in 2019, DarkRelay is led by Cybersecurity veterans who are **SANS 760**, **GXPN**, **GPEN**, **OSCP**, **OSCE**, and **CISSP** certified with 20+ years of experience in cyber security research and development. DarkRelay uses global its perspective to build valuable security programs for its students.

Whether you are a beginner or an experienced cyber security professional, our training will address your every learning need, challenge, and career goal.



OUR TRAININGS

- Professional Penetration Testing
- Attacking Web Applications
- Fuzzing & Exploit Development
- Software Development Security
- Advanced Penetration Testing
- Vulnerability Assessment
- Red Teaming
- Ethical Hacking
- Malware Analysis
- Container Security
- Mobile Security



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