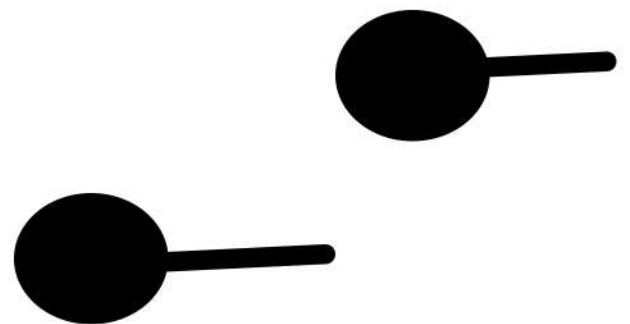


Check Point Certified Cloud Security (CCPE-C)



Online Course



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Course Modules

1. INTRODUCTION TO CLOUD COMPUTING

- Introduction to the cloud and why cloud security matters
- Comparison with conventional security models
- Shared responsibility model
- Legalities around Cloud Pentesting
- Attacking Cloud Services

2. ENUMERATION OF CLOUD ENVIRONMENTS

- DNS-based enumeration
- OSINT techniques for cloud-based asset identification
- Username Enumeration

3. GAINING ENTRY VIA EXPOSED SERVICES

- Serverless-based attacks (AWS lambda)
- PaaS Attack: SSRF Exploitation over AWS ElasticBeanStalk
- IaaS Attack: Gaining Database Access



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4.ATTACKING STORAGE SERVICES (AWS, AZURE, GCP)

- Exploring files storage
- Exploring SAS URLs in Azure
- Exploit Misconfigured Storage Service

5.ATTACKING AZURE AD ENVIRONMENT

- Introduction to Azure
- Azure app attacks (App Service, Function App, Enterprise Apps)

6.AZURE SECTION CONTINUE

- . Abuse Azure Service Principle Misconfiguration
- Azure AD Authentication Methods

7.AWS: SERVICES MISCONFIGURATION

- Attacking AWS Incognito Misconfiguration

9.AWS IDENTITY AND ACCESS MANAGEMENT

- AWS: Identity and Access Management
- AWS IAM Policies and Roles
- IAM Policy Evaluation
- Roles and Permissions-Based Attacks
- Shadow Admin Attacks
- AWS IAM Access Analyzer



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10. CONTAINERS AS A SERVICE AND K8S EXPLOITATION

- Understanding how container technology works
- From docker to Kubernetes
- Identifying vulnerabilities in docker images
- Exploiting misconfigured containers
- Exploiting docker environments and breaking out of containers
- Exploring Kubernetes (k8s) environments
- K8s exploitation and breakouts
- Pivoting to host

11. OSBONUS EXERCISES DURING EXTENDED LAB PERIOD

- Azure MFA Bypass
- Azure Privilege Escalation
- Azure Dynamic Group Misconfiguration

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**For contact: +91 8680961847
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