

GIAC Red Team Professional



Online Course

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Course Modules

1. Adversary Emulation Fundamentals

Common terminology, frameworks, and methodology associated with adversary emulation.

2. Attacking Active Directory

Active Directory objects, the different authentication methods offered within an Active Directory environment, and the techniques used to attack those authentication methods.

3. Command and Control infrastructure

Command-and-control deployments, uses, channels and tools including Empire and Cobalt Strike.

4. Creating the Attack infrastructure

Create and manage an adversary infrastructure to include, an adversary domain, DNS, and an understanding of redirection and pivoting.

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5. Discovery and Enumeration

How to perform network & Active Directory discovery & enumeration as well as how to acquire available credentials within the target environment.

6. Enumerating and Attacking Privileges

How to determine privileges within the environment and how to escalate to the required privileges to achieve their objectives including Linux attacks and performing privilege recon remotely.

7. Gaining Access

How to perform reconnaissance on a target, how to create and test a malicious payload, and how to deliver the malicious payload ensuring access to the target environment.

8. Leveraging the Domain

How to move within the target environment in order to achieve the objectives of the engagement.



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9. Persistence and Exfiltration

Gain persistence in a environment & how to exploit that persistence to complete the objectives of the engagement including, gaining access to a database, staging data for exfiltration, and emulating ransomware.

10. Red Team Engagement Planning and Reporting

- o Engagement including tasks such as adversary profiling, scoping the engagement, and red team creation.

- o Engagement including data consolidation, revealing the red teams actions, producing an engagement report, and determining if retesting will be completed.

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



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