

# GIAC Defending Advanced Threats



## Online Course

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## Course Modules

### 1. Active Directory/Domains

Domain topics as they relate to information security: Authentication basics, kerberos, common attacks against domains, and detecting attacks against domains.

### 2. Administrative Access

Proficiency in topics related to the impacts of privilege escalation, and the importance of concepts related to "least privilege" methodologies.

### 3. Adversary Emulation

Adversary emulation topics: Basic concepts, common tools used, & Key technical controls to consider.

### 4. Application Exploitation

Summarize how; combining the software development lifecycle with threat modelling, employing proper patch management strategies, and other exploit mitigation techniques can improve the security of an organization against application exploitation.



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## 5. Data Exfiltration

Compare & contrast common exfil strategies, summarize strategies for detecting C2 channels, and discuss pros and cons of performing deception tourniquets as a possible attack target.

## 6. Installation

Contrast common persistence strategies & how organizations can be protected against them.

## 7. Lateral Movement

Appraise different lateral movement strategies, as well as strategies and controls for detecting and preventing the successful execution of malicious payloads.

## 8. Payload Delivery

Appraise different payload delivery strategies, as well as strategies and controls focused on minimizing the likelihood of the successful delivery of malicious payloads.





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## **9. Payload Execution**

Appraise different payload execution strategies, as well as strategies and controls for detecting and preventing the successful execution of malicious payloads.

## **10. Reconnaissance, Threat Handling, and Incident Response**

Exploitation topics: fundamental reconnaissance, threat hunting strategies, and the incident response process.

The logo for Zetlan Technologies features a large, stylized, light gray letter 'Z' in the background. To the left of the 'Z', there are three overlapping circles of varying sizes, also in light gray. Below the 'Z', the company name 'Zetlan Technologies' is written in a light gray, sans-serif font.

Zetlan Technologies

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