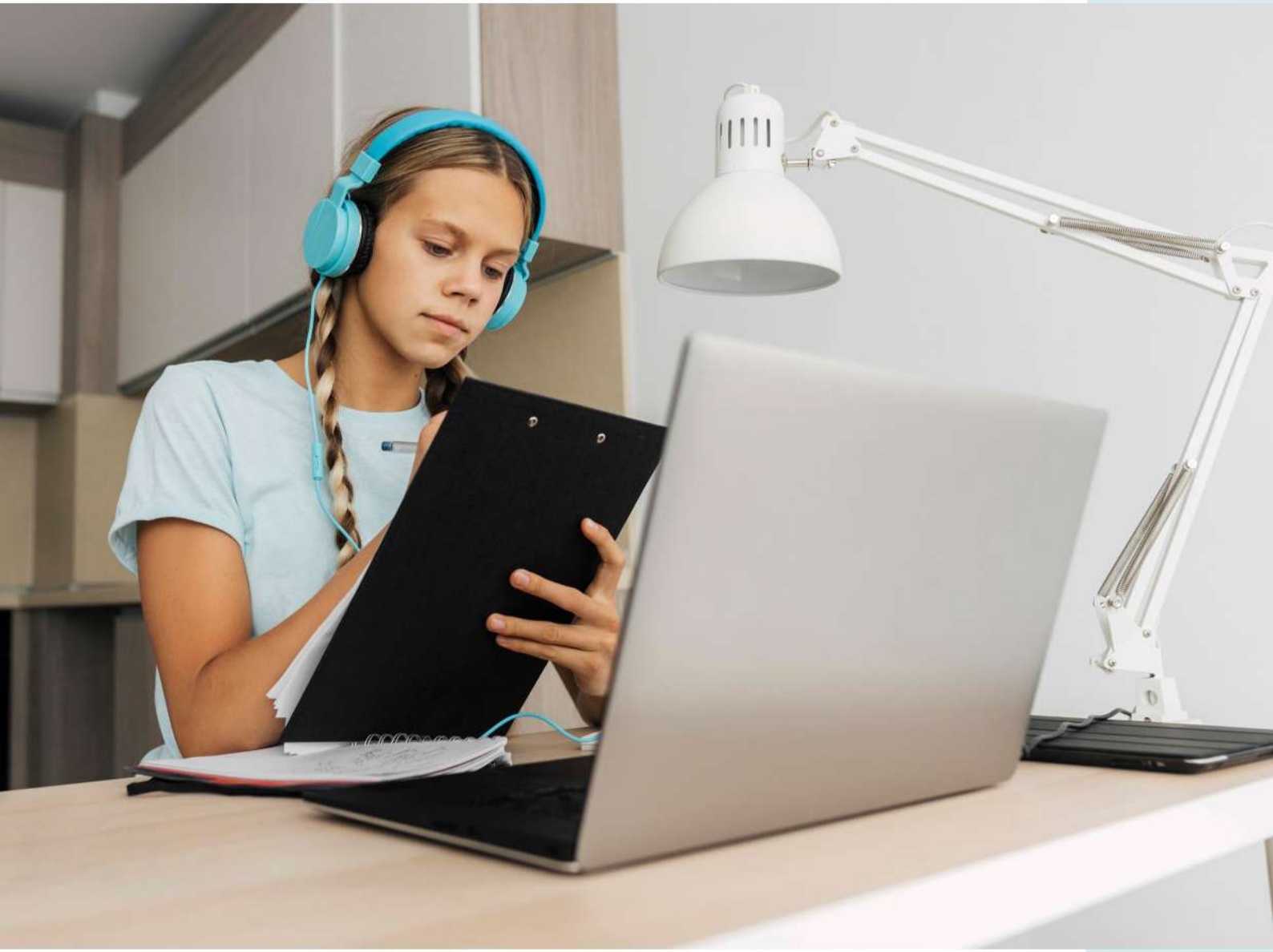
Palo Alto Network Certified Detection and Remediation Analyst

Zetlan Technologies



Online Course

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Course Modules

1.Threats and Attacks

- Recognize the different types of attacks
  - Differentiate between exploits and malware.
  - Define a file-less attack.
  - Define a supply chain attack.
  - Outline ransomware threats.
- Recognize common attack tactics
  - List common attack tactics.
  - Define various attack tactics.
  - Outline MITRE framework steps.
- Recognize various types of threats/vulnerabilities
  - Differentiate between threats and attacks.
  - Define product modules that help identify threats.
  - legitimate threats (true) vs. illegitimate threats (false positives).
  - Summarize the generally available references for vulnerabilities.

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2.Prevention and Detection

- Recognize common defense systems
  - Identify ransomware defense systems.
  - Summarize device management defenses.
- Identify attack vectors.
  - Summarize how to prevent agent attacks.
  - Describe how to use XDR to prevent supply chain attacks.
  - Describe how to use XDR to prevent phishing attacks.
  - Characterize the differences between malware and exploits.
  - Categorize the types and structures of vulnerabilities.
- Outline malware prevention.
  - Define behavioral threat protection.
  - Identify the profils that must be configrd for malware preventn.
  - Outline malware protection flow.
  - Describe the uses of hashes in Cortex XDR.
  - Identify the use of malware prevention modules (MPMs).
- Outline exploit prevention
  - Identify the use of exploit prevention modules (EPMs).
  - Define default protected processes.
- Outline analytic detection capabilities
  - Define the purpose of detectors.
  - Define machine learning in the context of analytic detection.
  - Identify the connectn of analytic detectn capabilities to MITRE.

3.Investigation

- Identify the investigation capabilities of Cortex XDR
  - Describe how to navigate the console.
  - Identify the remote terminal options.
  - Characterize the differences between incidents and alerts.
  - Characterize the differences between exclusions and exceptions.
- Identify the steps of an investigation
  - Clarify how incidents and alerts interrelate.
  - Identify the order in which to resolve incidents.
  - Identify which steps are valid for an investigation.
  - List the options to highlight or suppress incidents.
- Identify actions to investigate incidents
  - Describe when to perform actions using the live terminal.
  - Describe what actions can be performed using the live terminal.
  - Describe when to perform actions using a script.
  - Identify common investigation screens and processes.
- Outline incident collaboration and management using XDR.
  - Outline, read, and write attributes.
  - Characterize the difference between incidents and alerts.

4.Remediation

- Describe basic remediation
  - Describe how to navigate the remediation suggestions.
  - Distinguish between automatic vs. manual remediations.
  - Summarize how/when to run a script.
  - Describe how to fix false positives.
- Define examples of remediation
  - Define ransomware.
  - Define registry.
  - Define file changes/deletions.
- Define configuration options in XDR to fix problems
  - Define blocklist.
  - Define signers.
  - Define allowlist.
  - Define exceptions.
  - Define quarantine/isolation.
  - Define file search and destroy.

5.Threat Hunting

- Outline the tools for threat hunting
  - Explain the purpose and use of the IOC technique.
  - Explain the purpose and use of the BIOC technique.
  - Explain the purpose and use of the XQL technique.
  - Explain the purpose and use of the query builder technique.
- Identify how to prevent the threat
  - Convert BIOCs into custom prevention rules.
- Manage threat hunting
  - Describe the purpose of Unit 42.

6.Reporting

- Identify the reporting capabilities of XDR
  - Leverage reporting tools.
- Outline how to build a quality report
  - Identify what is relevant to a report given context.
  - Interpret meaning from a report.
  - Identify the information needed for a given audience.
  - Outline the capabilities of XQL to build a report.
  - Outline distributing and scheduling capabilities of Cortex XDR.

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7.Architecture

- Outline components of Cortex XDR
  - Define the role of Cortex XDR Data Lake.
  - Define the role of Cortex Agent.
  - Define the role of Cortex Console.
  - Define the role of Cortex Broker.
  - Distinguish between different proxies.
  - Define the role of Directory Sync.
  - Define the role of Wildfire.
- Describe communication among components
  - Define communication of data lakes.
  - Define communication for Wildfire.
  - Define communication options/channels to and from the client.
  - Define communication for external dynamic list (EDL).
  - Define communication from the broker.
- Describe the architecture of agent relatd to difft operating systms
  - Recognize different supported operating systems.
  - Characterize the differences between functions or features
- How Cortex XDR ingests other non-Palo Alto Networks data
  - Outline all ingestion possibilities.
  - Describe details of the ingestion methods.

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- Overview of functions and deployment of Broker
  - Outline deployment of Broker.
  - Describe how to use the Broker to ingest third party alert.
  - How to use the Broker as a proxy between the agents & XDR
  - Describe how to use the Broker to activate Pathfinder.

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