AI CERTsAT-510 Exam Dumps

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AI CERTs AT-510 Exam Syllabus Topics:

Section	Objectives
Network Optimization and Management	- Traffic Optimization • 1. AI-driven bandwidth allocation • 2. Traffic prediction models - Monitoring and Troubleshooting • 1. Network diagnostics tools (e.g., ping)
Network Technologies	- Network Function Virtualization (NFV) • 1. Virtualized network services - Software-Defined Networking (SDN) • 1. SDN architecture and controllers • 2. VNET management concepts
AI and Networking Fundamentals	- Introduction to AI in Networking • 1. AI-driven network automation concepts • 2. Role of AI in modern network operations - Core Networking Concepts • 1. LAN, WAN, and VNET fundamentals • 2. Routing and switching basics

AI in Network Security	- Threat Detection • 1. Machine learning-based intrusion detection • 2. Heuristic and anomaly detection methods - Security Automation • 1. Automated vulnerability identification

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AI CERTs AI+ NetworkExamination Sample Questions (Q49-Q54):

NEW QUESTION # 49
(Scenario: A financial services company is experiencing an unusual number of login attempts from different global IP addresses on an employee account. They need to determine whether the account is compromised while ensuring minimum disruption to operations. Question: Which AI-driven security feature would best address this issue?)

- A. Heuristic analysis to apply generalized rules for identifying threats.
- B. Behavioral analysis to compare current activity with the account's baseline patterns.
- C. Static analysis to evaluate metadata associated with the login attempts.
- D. Signature-based detection to match activity with known threat databases.

Answer: B

Explanation:
Behavioral analysis is the most effective AI-driven security feature for detecting potential account compromise while minimizing operational disruption. AI+ Network security frameworks emphasize behavioral analysis as a technique that establishes abaseline of normal user behavior, including login locations, times, devices, and access patterns.
When deviations occur-such as simultaneous or rapid login attempts from multiple global IP addresses-the AI system flags the activity as anomalous without immediately blocking access. This allows security teams to investigate potential compromise while maintaining business continuity. Unlike signature-based detection, which only identifies known threats, behavioral analysis can detectpreviously unseen or zero-day attack patterns.
Static and heuristic analyses are less precise in this context, as they rely on predefined rules or metadata rather than adaptive learning. Financial institutions, in particular, benefit from behavioral AI because it balances security, accuracy, and user experience, reducing false positives and unnecessary lockouts.

NEW QUESTION # 50
(Scenario: A multinational corporation faces an issue where employees working remotely often connect to corporate resources using unsecured devices. Despite enforcing strong password policies, they still encounter breaches due to compromised endpoints. The security team needs a strategy to ensure only compliant devices can access sensitive resources while minimizing user disruption. Question: What approach should the corporation adopt to resolve this issue?)

- A. Enforce stricter password policies to enhance user authentication security.
- B. Deploy network segmentation to isolate critical resources from remote access.
- C. Restrict remote access entirely to prevent breaches from unsecured devices.
- D. Implement Zero Trust Architecture to verify user and device compliance.

Answer: D

Explanation:
Implementing a Zero Trust Architecture (ZTA) is the most effective approach for securing access from remote and potentially unsecured devices. AI+ Network security documentation explains that Zero Trust operates on the principle of "never trust, always verify," requiring continuous validation of both user identity and device posture before granting access.
Unlike traditional perimeter-based security, Zero Trust evaluates device compliance factors such as operating system health, patch status, and endpoint security controls. Access is granted dynamically and contextually, minimizing disruption while significantly reducing risk. Even authenticated users are restricted to least- privilege access.
Stricter passwords alone do not address compromised endpoints, and completely restricting remote access harms productivity. Network segmentation helps limit damage but does not verify endpoint integrity. AI+ Network frameworks clearly identify Zero Trust as the preferred model for modern, distributed workforces.

NEW QUESTION # 51
(Why is GNS3 considered superior for advanced network emulation compared to simpler simulators?)

- A. It provides a pre-configured environment for basic networking tasks.
- B. It supports real operating systems for realistic network behavior.
- C. It requires minimal system resources for complex scenarios.
- D. It focuses on simulating Cisco devices.

Answer: B

Explanation:
GNS3 is considered superior for advanced network emulation because it supports real network operating systems, providing highly realistic network behavior. According to AI+ Network lab documentation, GNS3 allows engineers to run actual router and switch images, including Cisco IOS, IOS-XE, JunOS, and Linux- based systems, rather than relying on simplified simulations.
This capability enables accurate testing of routing protocols, security features, automation scripts, and failure scenarios exactly as they would behave in production environments. Unlike basic simulators, GNS3 does not abstract protocol behavior, making it ideal for advanced troubleshooting, certification labs, and enterprise network design validation.
While GNS3 can simulate Cisco devices, it is not limited to them. It also requires more system resources, not fewer, due to its realism. Pre-configured environments are typically associated with beginner tools, whereas AI+ Network training emphasizes GNS3 for advanced, real-world emulation and hands-on skill development.

NEW QUESTION # 52
(Scenario: A multinational corporation faces an issue where employees working remotely often connect to corporate resources using unsecured devices. Despite enforcing strong password policies, they still encounter breaches due to compromised endpoints. The security team needs a strategy to ensure only compliant devices can access sensitive resources while minimizing user disruption.
Question: What approach should the corporation adopt to resolve this issue?)

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- B. Deploy network segmentation to isolate critical resources from remote access.
- C. Restrict remote access entirely to prevent breaches from unsecured devices.
- D. Implement Zero Trust Architecture to verify user and device compliance.

Answer: D

Explanation:
Implementing a Zero Trust Architecture (ZTA) is the most effective approach for securing access from remote and potentially unsecured devices. AI+ Network security documentation explains that Zero Trust operates on the principle of "never trust, always verify," requiring continuous validation of both user identity and device posture before granting access.
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NEW QUESTION # 53

(Which tool is most effective for real-time monitoring of compliance with a clean desk policy?)

- A. NetBox for periodic compliance checks.
- B. Zabbix for real-time desk inspections.
- C. NetBox for compliance visualization.
- D. Zabbix for real-time data analysis.

Answer: D

Explanation:
Zabbix is the most effective tool for real-time monitoring when continuous data analysis is required. AI+ Network operational monitoring documentation explains that Zabbix is designed for real-time monitoring, alerting, and analytics across IT systems.
While Zabbix does not perform physical inspections, it can integrate with sensors, access logs, cameras, or environmental monitoring systems that support clean desk policy enforcement. Its real-time data processing and alerting capabilities allow immediate detection of policy violations.
NetBox is primarily used for network documentation and infrastructure modeling, making it more suitable for visualization and periodic audits rather than real-time enforcement. AI+ Network materials emphasize Zabbix' s strength in live monitoring and automated alerting workflows.

NEW QUESTION # 54
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