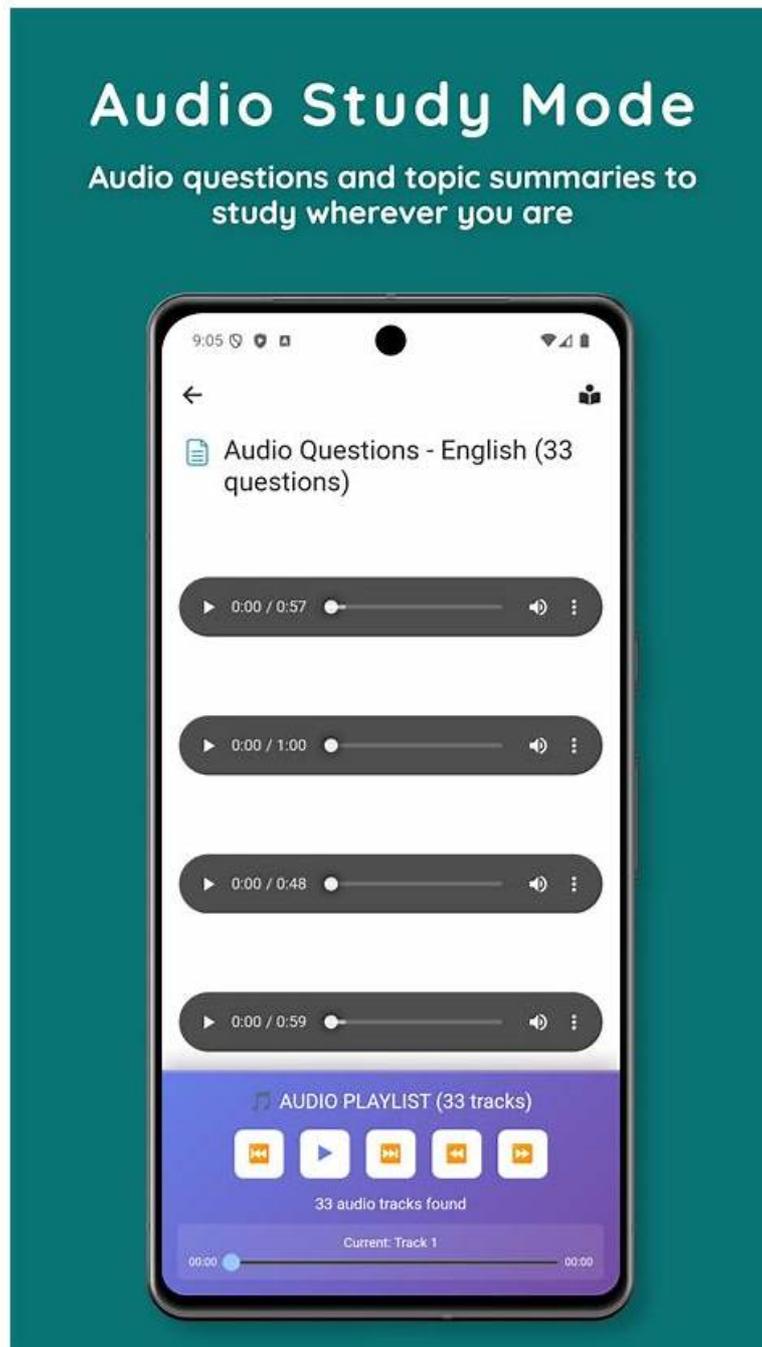


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AI CERTs AI+ Network Examination Sample Questions (Q26-Q31):

NEW QUESTION # 26

(How does Python's Netmiko library simplify network automation?)

- A. By supporting multi-vendor environments for device configuration.
- B. By integrating deep learning algorithms for anomaly detection.
- C. By automating application deployment on cloud platforms.
- D. By managing Kubernetes clusters for container orchestration.

Answer: A

Explanation:

Python's Netmiko library simplifies network automation by supporting multi-vendor environments for device configuration. AI+ Network automation documentation highlights Netmiko as a Python-based abstraction layer built on SSH that enables consistent interaction with network devices from multiple vendors, including Cisco, Juniper, Arista, and HP.

Netmiko removes the complexity of vendor-specific CLI nuances by providing standardized connection methods and command execution functions. This allows network engineers to automate repetitive configuration and validation tasks using a single script rather than maintaining separate workflows for each platform.

Unlike tools focused on AI analytics or container orchestration, Netmiko is purpose-built for network device management, making it ideal for configuration backups, bulk changes, and compliance checks. AI+ Network materials emphasize Netmiko as a foundational automation tool that bridges traditional networking and programmable infrastructure.

NEW QUESTION # 27

(How does AIEngine improve network traffic management?)

- A. Enhances network slicing for 5G traffic optimization.
- B. Automates deep learning model deployment across devices.
- C. Enables programmable packet inspection and automation.
- D. Preempts security threats in web applications and APIs.

Answer: C

Explanation:

AIEngine improves network traffic management by enabling programmable packet inspection and automation. According to AI+ Network documentation, AIEngine functions as an intelligent control layer that integrates analytics, policy enforcement, and automation into the data plane. By inspecting packets programmatically, AIEngine can identify traffic patterns, application types, and anomalies in real time.

This capability allows the network to automatically apply policies such as traffic prioritization, rate limiting, or rerouting without manual configuration. AIEngine leverages AI-driven insights to adapt network behavior dynamically based on live conditions, improving throughput, reducing congestion, and maintaining service quality.

While network slicing is specific to 5G architectures and security threat prevention focuses on application-layer protection, AIEngine's core value lies in traffic-aware automation at the network level. It does not deploy ML models directly, but instead uses AI outputs to control forwarding behavior. AI+ Network materials emphasize AIEngine as a key enabler of intent-based and self-optimizing networks.

NEW QUESTION # 28

(What functionality does BubbIn provide to enhance network management?)

- A. Automates routine network tasks and configurations efficiently.
- B. Provides deep learning models for DNS domain classification.
- C. Offers penetration testing for identifying vulnerabilities.
- D. Deploys ML models for anomaly detection in real-time.

Answer: A

Explanation:

Bubbln enhances network management by automating routine network tasks and configuration processes. AI+ Network automation documentation describes Bubbln as an orchestration-focused platform designed to reduce manual intervention in repetitive network operations such as provisioning, configuration updates, compliance checks, and policy enforcement.

By automating these tasks, Bubbln improves operational efficiency, reduces human error, and ensures configuration consistency across large-scale network environments. This is particularly valuable in enterprise and multi-cloud infrastructures where managing devices manually becomes complex and error-prone.

Unlike tools focused on security analytics, penetration testing, or anomaly detection, Bubbln's primary role is workflow automation and orchestration. AI+ Network materials emphasize automation platforms like Bubbln as critical enablers of scalable, agile, and AI-ready networks, allowing engineers to focus on optimization and strategic initiatives rather than repetitive tasks.

NEW QUESTION # 29

(How can ChatGPT assist network administrators in understanding complex networking concepts?)

- A. By monitoring live network traffic and detecting anomalies in real time.
- B. By simulating real-world network topologies using virtualized environments.
- C. By providing detailed explanations and examples through natural language interaction.
- D. By managing network traffic and prioritizing bandwidth allocation automatically.

Answer: C

Explanation:

ChatGPT assists network administrators by providing detailed explanations and examples through natural language interaction. AI+ Network documentation describes conversational AI as a powerful knowledge- support tool that helps engineers understand complex networking concepts, protocols, configurations, and troubleshooting workflows.

Through interactive dialogue, ChatGPT can break down advanced topics such as routing protocols, automation frameworks, AI-driven optimization, and security models into clear, understandable explanations.

It can also provide contextual examples, configuration snippets, and step-by-step guidance tailored to the user's level of expertise. ChatGPT does not directly simulate networks, manage traffic, or monitor live environments. Instead, its value lies in knowledge acceleration, decision support, and learning enhancement, making it an effective assistant for both novice and experienced network professionals. AI+ Network materials emphasize AI assistants as key enablers of faster learning and operational efficiency.

NEW QUESTION # 30

(How does AI allocate network resources efficiently?)

- A. By maintaining consistent bandwidth across all devices.
- B. By consolidating all traffic into a single channel.
- C. By prioritizing data streams based on packet size only.
- D. By adapting bandwidth usage to real-time traffic needs.

Answer: D

Explanation:

AI allocates network resources efficiently by adapting bandwidth usage based on real-time traffic conditions.

AI+ Network documentation explains that AI-driven systems continuously analyze live telemetry data such as congestion levels, application demand, latency, and packet loss.

Using this data, AI dynamically adjusts bandwidth allocation to ensure that critical applications receive priority while less important traffic is deprioritized during peak usage. This adaptive approach prevents bottlenecks, improves Quality of Service (QoS), and enhances overall network performance.

Static bandwidth allocation and single-channel consolidation lack flexibility and fail to respond to dynamic traffic patterns. AI+ Network frameworks emphasize real-time adaptability as the core advantage of AI-driven resource management.

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