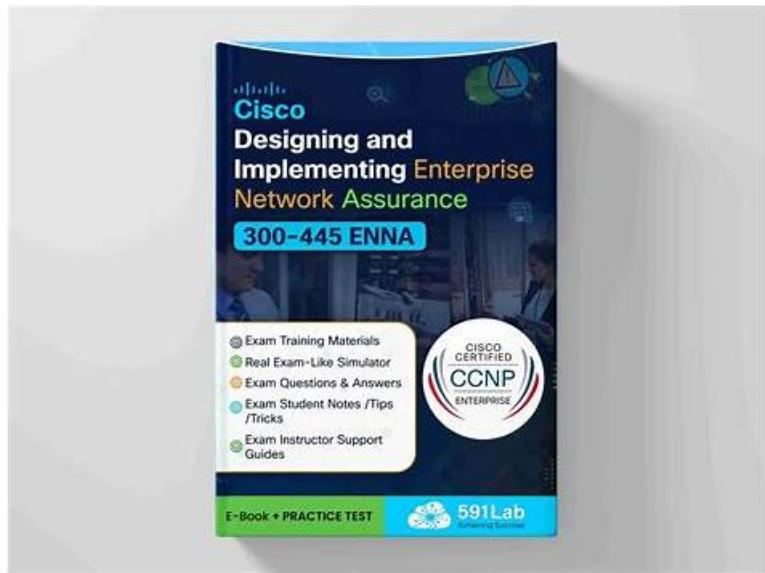


2026 300-445: Designing and Implementing Enterprise Network Assurance—Accurate Exam Quick Prep



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Cisco Designing and Implementing Enterprise Network Assurance Sample Questions (Q37-Q42):

NEW QUESTION # 37

What is the primary benefit of deploying an endpoint agent across end-user devices in an enterprise network?

- A. Decreased network security
- B. **Comprehensive visibility into user experience**
- C. Increased network latency
- D. Limited device compatibility

Answer: B

Explanation:

Deploying an endpoint agent across end-user devices provides comprehensive visibility into user experience, helping to identify and address performance issues proactively.

NEW QUESTION # 38

A network administrator observes a recurring pattern in their Cisco SD-WAN: during peak business hours, users at a specific branch office experience poor voice call quality, characterized by choppy audio and delays.

6 The administrator suspects that network congestion is contributing to this issue and wants to leverage ThousandEyes WAN Insights to improve the situation proactively. Which capability of WAN Insights is most relevant to this scenario?

- A. A set of network management tools that leverage SNMP and flow protocols into a single dashboard.
- B. Providing real-time alerts on security threats targeting voice traffic within the SD-WAN.⁹
- C. Monitoring the public internet paths to the voice call service provider and identifying outages or performance bottlenecks.⁷
- **D. Analyzing historical SD-WAN performance data during peak hours and recommending alternative paths that prioritize voice traffic based on its SLA.**
- E. Generating synthetic voice traffic to proactively test network paths and identify potential congestion points during peak hours.⁸

Answer: D

Explanation:

According to the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) curriculum, ThousandEyes WAN Insights is a predictive analytics solution designed to transform network management from a reactive to a proactive model.¹⁰ In the scenario provided, the voice quality issues are recurring and peak-hour dependent, indicating a need for optimization rather than just standard real-time alerting.¹¹ The most relevant capability for this scenario is analyzing historical SD-WAN performance data to generate path recommendations (Option B). WAN Insights integrates with Cisco Catalyst SD-WAN Manager (vManage) and vAnalytics to ingest massive volumes of telemetry.¹² It uses advanced statistical models to analyze the performance of all active circuits (MPLS, Internet, etc.) over time. If the system identifies that a different available path consistently delivers a higher Quality of Experience (QoE) or better adherence to the voice SLA during those peak windows, it generates a recommendation to adjust the Application-Aware Routing (AAR) policy.¹³ This predictive approach allows the administrator to fine-tune network policies in advance, ensuring that sensitive traffic like voice is automatically rerouted to the most stable path before the congestion impacts the users. Option A describes standard ThousandEyes synthetic testing, while Option C is incorrect because WAN Insights specifically uses existing SD-WAN telemetry rather than generating its own synthetic voice probes. Option D and E describe general NMS or security features not specific to WAN Insights' predictive mission. Thus, the proactive recommendation of alternative paths based on historical SLA adherence is the core function of WAN Insights for improving voice quality.¹⁷¹⁸¹⁹

NEW QUESTION # 39

The network team has deployed Webex RoomOS Endpoint Agents and integrated Webex Control Hub with ThousandEyes. The VoIP team wants to know which metrics they can collect from the Webex Control Hub view. Where does the VoIP team find the network data?

- A. Settings
- B. Users
- **C. Network Path**
- D. Devices

Answer: C

Explanation:

According to the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) curriculum, the integration between ThousandEyes and Webex Control Hub provides a streamlined troubleshooting experience for collaboration services. For the VoIP team to access the specific ThousandEyes network telemetry—such as latency, loss, and jitter—they must navigate to the Network Path (Option B) section within the Troubleshooting tab of the Control Hub.¹⁵ The Network Path visualization is a direct result of the ThousandEyes Endpoint Agent data being pulled into the Webex interface.¹⁶ When a user or RoomOS device experiences poor audio or video quality during a meeting, the Control Hub's troubleshooting view displays a "Network Path" line under the participant's details.

¹⁷ By clicking on this line, the VoIP team can see a hop-by-hop breakdown of the entire route from the collaboration device to the

Webex media node. This view highlights specific hops where performance is "Poor" (red), "Fair" (yellow), or "Good" (green) based on predefined thresholds for latency (>400ms) or loss (>5%). While "Devices" (Option A) is where the agents are activated, and "Users" (Option C) allows for selecting a specific participant, the actual telemetry metrics and the visualization of the network route are strictly located in the Network Pathview. This integration eliminates the need for the VoIP team to leave the Webex environment for initial triage, as they can identify if a problem is local to the branch office or deep within a service provider's network directly from the "Network Path" dashboard.

NEW QUESTION # 40

What optimization recommendation is commonly made for network capacity planning based on data interpretation?

- A. Software updates
- B. Topology changes
- C. Hardware replacements
- D. Protocol downgrades

Answer: B

Explanation:

Topology changes are commonly recommended for network capacity planning based on data interpretation to optimize network performance and address scalability requirements.

NEW QUESTION # 41

Which authentication method is commonly used when testing web applications in network assurance?

- A. NTLM
- B. Basic
- C. OAuth
- D. SAML

Answer: B

Explanation:

Basic authentication is commonly used when testing web applications in network assurance. It involves sending user credentials (username and password) in the HTTP request header for authentication purposes, providing a simple and widely supported authentication mechanism for accessing web resources and APIs.

NEW QUESTION # 42

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