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300-445 ENNA Exam Details	
Vendor	Cisco
Exam Code	300-445 ENNA
Full Exam Name	Cisco Designing and Implementing Enterprise Network Assurance
Number of Questions	55-65
Sample Questions	Cisco 300-445 Sample Questions
Practice Exams	Cisco Certified Specialist Enterprise Network Assurance Practice Test
Passing Score	Variable (750-850 / 1000 Approx.)
Time Limit	90 minutes
Languages	English

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After successful competition of the Cisco 300-445 certification, the certified candidates can put their career on the right track and achieve their professional career objectives in a short time period. For the recognition of skills and knowledge, more career opportunities, professional development, and higher salary potential, the Designing and Implementing Enterprise Network Assurance (300-445) certification exam is the proven way to achieve these tasks quickly.

Cisco 300-445 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Data Analysis: This domain encompasses diagnosing network issues like packet loss, congestion, routing, and jitter, plus end-device problems. It includes analyzing web application performance and identifying security threats such as DDoS attacks, DNS hijacking, and BGP hijacking.
Topic 2	<ul style="list-style-type: none"> • Data Collection Implementation: This domain focuses on deploying enterprise and endpoint agents across infrastructure and end-user devices. It covers configuring network, DNS, voice, web, and endpoint tests using ThousandEyes and Meraki Insights, along with implementing synthetic web tests and authentication methods.
Topic 3	<ul style="list-style-type: none"> • Insights and Alerts: This domain addresses configuring alert rules based on network conditions and end-user experience factors. It covers selecting metrics for stakeholders, validating alerts, and recommending network optimization for capacity planning.
Topic 4	<ul style="list-style-type: none"> • Platforms and Architecture: This domain covers understanding monitoring agent types and placement, active versus passive monitoring, and ThousandEyes WAN Insights. It addresses Cisco platform integrations, metric baselines, and selecting appropriate integration methods and assurance platforms based on business requirements.

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(300-445) practice exam which can be accessed through the browsers like Firefox, Safari, and Google Chrome.

Cisco Designing and Implementing Enterprise Network Assurance Sample Questions (Q48-Q53):

NEW QUESTION # 48

What is the primary function of Thousand Eyes WAN Insights?

- A. WAN performance monitoring
- B. Endpoint security
- C. Firewall configuration
- D. User authentication

Answer: A

Explanation:

Thousand Eyes WAN Insights primarily focuses on monitoring and analyzing WAN performance to identify issues and optimize network connectivity.

NEW QUESTION # 49

What is the primary function of a local collection agent in network assurance?

- A. Collecting data from end-user devices
- B. Monitoring server logs
- C. Conducting synthetic voice tests
- D. Analyzing WAN performance

Answer: B

Explanation:

A local collection agent is primarily responsible for monitoring server logs to identify potential issues and gather data for analysis in network assurance.

NEW QUESTION # 50

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. Devices
- D. Network Path

Answer: D

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. The Network Path visualization is a direct result of the ThousandEyes Endpoint Agent data being pulled into the Webex interface. 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.

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 Path view. 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 # 51

Refer to the exhibit.

A network engineer is tasked with configuring an alert that will trigger if the HTTP server responds with a server error. What alert conditions should be configured to meet the specified requirements?

- A. Wait Time is Dynamic (New) with Medium sensitivity
- B. Error type is any
- C. Response Code is server error(5XX)
- D. Response Time # Static 500ms

Answer: C

Explanation:

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In the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) framework, configuring effective alert rules is critical for distinguishing between standard network noise and actionable application-layer failures. For Web - HTTP Server tests, ThousandEyes allows engineers to monitor both network-level metrics (like Connect time) and application-level indicators (like HTTP response codes).

The requirement is to trigger an alert specifically when the HTTP server responds with a server error. In the HTTP protocol, server errors are categorized as the 5XX series of status codes (e.g., 500 Internal Server Error, 503 Service Unavailable, 504 Gateway Timeout). To meet this requirement, the engineer must configure a location alert condition where the Metric is set to Response Code and the condition value is server error(5XX) (Option D).

Reviewing the other options:

* Error type is any (Option A): While this would capture server errors, it would also trigger for 4XX client errors (like 404 Not Found) and network-layer timeouts, making it too broad for a specific "server error" requirement.

* Wait Time is Dynamic (Option B): This monitors the time-to-first-byte using statistical baselining.

While high wait times often precede 5XX errors, this condition only alerts on latency, not on the actual error code itself.

* Response Time (Option C): Similar to wait time, this monitors performance speed rather than the logical success or failure of the server's response.

By specifically selecting Response Code: server error(5XX), the engineer ensures that the operations team is only notified when the application backend is experiencing a functional failure, rather than just a slow response or a client-side misconfiguration.

NEW QUESTION # 52

What type of alert rule configuration is used to monitor VPN connectivity issues affecting the end-user experience?

- A. Performance-based rules
- B. Connectivity-based rules
- C. Throughput-based rules
- D. State-based rules

Answer: B

Explanation:

Connectivity-based rules are used to monitor VPN connectivity issues affecting the end-user experience by setting thresholds for VPN connection establishment times, packet loss rates, and latency to detect connectivity failures, disruptions, or degradation and trigger alerts for immediate investigation and resolution.

NEW QUESTION # 53

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