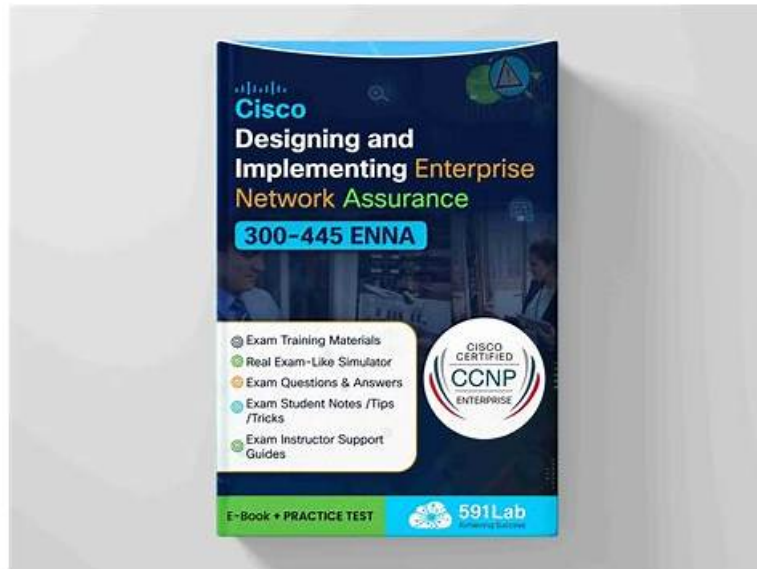


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Cisco Designing and Implementing Enterprise Network Assurance Sample Questions (Q62-Q67):

NEW QUESTION # 62

Which endpoint agent test can be configured in Thousand Eyes to monitor application performance?

- A. Web test
- B. DNS test
- C. Network test
- D. Voice test

Answer: C

Explanation:

The Network test can be configured in Thousand Eyes to monitor application performance, assessing factors such as latency and packet loss in network assurance.

NEW QUESTION # 63

What is the primary purpose of synthetic web tests in network assurance?

- **A. Simulating user interactions**
- B. Analyzing server logs
- C. Identifying security vulnerabilities
- D. Monitoring server uptime

Answer: A

Explanation:

The primary purpose of synthetic web tests is to simulate user interactions with web applications, facilitating performance monitoring and optimization in network assurance.

NEW QUESTION # 64

When determining the optimal location for deploying network agents, what factor is crucial for minimizing latency?

- **A. Proximity to end-users**
- B. Availability of office amenities
- C. Accessibility to external vendors
- D. Distance from the marketing department

Answer: A

Explanation:

Deploying network agents close to end-users minimizes latency and ensures efficient data collection.

NEW QUESTION # 65

ThousandEyes WAN Insights integrates with Cisco SD-WAN to provide visibility into network performance and generate path recommendations. Which two data sources from the SD-WAN environment are essential for WAN Insights to function? (Choose two)

- A. Syslog messages from SD-WAN edge routers, indicating device events and errors related to tunnel establishment.
- B. Configuration data from vManage, such as device templates and centralized policy settings.
- **C. Historical network performance metrics collected by vAnalytics, including loss, latency, and jitter for SD-WAN tunnels.**
- D. Data collected from ThousandEyes endpoint agents installed on end-user devices within the SD-WAN.
- **E. Application traffic flow data from the SD-WAN data plane, categorized by vManage application lists.**

Answer: C,E

Explanation:

The architecture for Designing and Implementing Enterprise Network Assurance (300-445 ENNA) specifies that ThousandEyes WAN Insights relies on deep integration with the Cisco SD-WAN management stack. To generate its predictive path recommendations, the platform must ingest specific telemetry data that reflects both the network's behavior and the applications traversing it.

The first essential data source is historical network performance metrics collected by vAnalytics (Option C). Before WAN Insights can be activated, vAnalytics must be enabled to collect and enrich raw network telemetry from the edge routers.³⁴ This data includes granular metrics for every SD-WAN tunnel, such as packet loss, latency, and jitter.³⁵ WAN Insights analyzes these historical trends to forecast future path quality and determine which transport circuits are most likely to meet application SLAs over a long-term period.

The second essential data source is application traffic flow data (Option E). WAN Insights must understand which applications are currently active in the fabric to prioritize recommendations for "business-critical" services like Office 365, Webex, or custom internal

apps.³⁸This information is ingested as flow records from the SD-WAN data plane and categorized based on the Application Lists defined in Cisco Catalyst SD-WAN Manager (vManage).

Options A and E are configuration or logging data that, while useful for general management, are not the raw telemetry inputs used by the WAN Insights predictive engine. Option C is incorrect because WAN Insights explicitly uses infrastructure telemetry rather than ThousandEyes agent-based synthetic data for its SD-WAN fabric calculations. By combining vAnalytics performance metrics and application flow data, WAN Insights can provide the "Predictive Path Recommendation" that are a hallmark of modern network assurance.

NEW QUESTION # 66

Refer to the exhibit.

A network admin has been tasked with monitoring the IPv6 record and name server resolution times with different agents. Select the two actions that the engineer must take to meet the requirements.

- A. Create a DNS Server test monitoring the A record
- B. Create a DNS Trace test monitoring the NS record
- C. Create a DNS Server test monitoring the NS record
- D. Create a DNS Trace test monitoring the ANY record
- E. Create a DNS Server test monitoring the AAAA record

Answer: C,E

Explanation:

According to the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) curriculum, DNS testing is a fundamental component of ensuring application availability and performance.

The ThousandEyes platform provides two primary types of DNS tests: DNS Server and DNS Trace.

To satisfy the specific requirements of monitoring IPv6 records and name server resolution times, the engineer must utilize the DNS Server test. This test type is designed to measure the performance of specific DNS servers by querying them for particular resource records.

* Monitoring IPv6 Records: In the DNS system, IPv6 address records are known as AAAA records.

Therefore, to monitor the availability and resolution of IPv6 addresses for a domain, the engineer must create a DNS Server test and set the query type to AAAA (Option B).

* Monitoring Name Server Resolution Times: To measure how long it takes for a DNS server to return the authoritative name servers for a domain, the engineer must query for NS (Name Server) records.

By creating a DNS Server test targeting the NS record (Option D), the platform can provide granular metrics on the response time and availability of those specific records from the perspective of the selected agents.

DNS Trace tests (Options C and E) are less suitable for measuring specific resolution times of a single server; instead, they are used to visualize the entire delegation path from the root servers down to the authoritative servers to identify where a "break" in the chain occurs. Furthermore, an A record query (Option A) only provides the IPv4 address, failing the requirement to monitor IPv6. By selecting DNS Server tests for AAAA and NS records, the administrator ensures they have the precise performance data needed to baseline and troubleshoot the organization's DNS health.

NEW QUESTION # 67

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