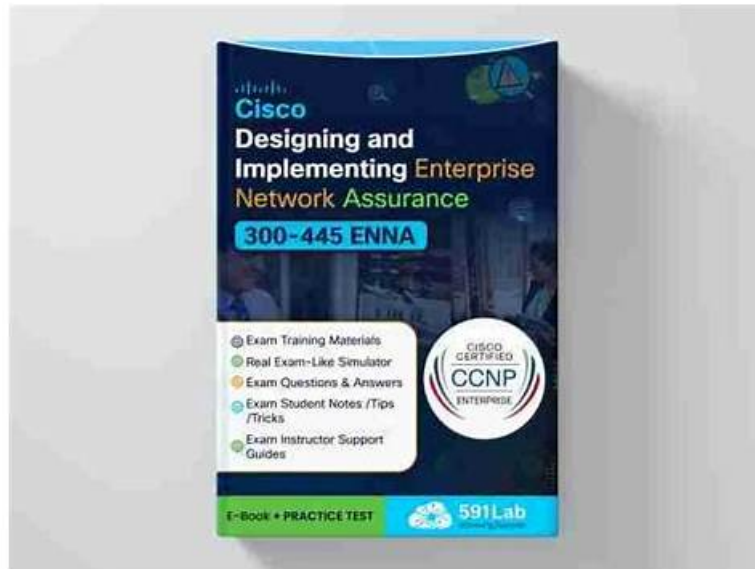


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Cisco 300-445 Exam Syllabus Topics:

Topic	Details
Topic 1	<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.
Topic 2	<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 3	<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 4	<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.

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Cisco Designing and Implementing Enterprise Network Assurance Sample Questions (Q63-Q68):

NEW QUESTION # 63

Which agent type is responsible for conducting synthetic user interactions with web applications?

- A. Local collection agent
- B. Remote management agent
- C. Synthetic user agent
- D. Cloud integration agent
- E. Virtualization agent
- F. Scripting agent

Answer: C,F

Explanation:

Synthetic user agents and scripting agents are responsible for conducting synthetic user interactions with web applications in network assurance, facilitating performance monitoring and testing.

NEW QUESTION # 64

A network engineer wants to measure their SD-WAN performance metrics. Which agent deployment method is most suitable for this scenario?

- A. Install an agent on the underlay network
- B. Install an agent on their LAN
- C. Install an agent on the DMZ
- D. Install an agent on the overlay network

Answer: A

Explanation:

In the context of Designing and Implementing Enterprise Network Assurance (300-445 ENNA), understanding the visibility gap in SD-WAN environments is essential. While SD-WAN controllers provide native visibility into the overlay network (the logical IPsec tunnels and fabric health), they often lack granular insight into the physical transport or underlay network provided by ISPs or MPLS circuits.

According to the ENNA architecture guidelines, the most suitable method for measuring true SD-WAN performance is to install an agent on the underlay network (Option D). By deploying ThousandEyes Enterprise Agents directly on the transport-facing interfaces (Transport VPN0 in Cisco SD-WAN terminology), engineers can perform hop-by-hop path visualization and measure metrics like packet loss, latency, and jitter across the actual provider path. This is critical because performance degradation in the overlay is almost always a symptom of an issue in the underlay, such as BGP routing instabilities or physical link congestion at an ISP peering point.

Deploying agents on the overlay (Option A) only measures the performance of the tunnel itself, which may hide specific hop-level failures occurring in the public internet. Installing an agent on the LAN (Option C) or DMZ (Option B) adds local network noise to the metrics, making it harder to isolate if a problem exists within the corporate office or the service provider network. By focusing on the underlay, the engineer ensures they have the "internet intelligence" required to hold service providers accountable to SLAs and quickly resolve connectivity issues that impact the SD-WAN fabric.

NEW QUESTION # 65

What type of alert rule is configured based on the state of BGP routing table in network assurance?

