

# Trustworthy 300-445 Exam Torrent | 300-445 Latest Exam Practice

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## Nghiên cứu các hệ thống tích hợp với Core banking:

1. Bạn thường sử dụng các loại hệ thống tích hợp nào? Liệt kê và mô tả ngắn gọn về chúng.
2. Bạn muốn sử dụng hệ thống tích hợp nào nhất? Tại sao?
3. Theo thực trạng hiện nay, bạn quan ngại vấn đề nào của hệ thống ngân hàng? Tại sao?

## Trả lời

### Câu 1:

- Tích hợp core banking với NAPAS thông qua chuẩn ISO 8583 / API: Đây là lớp tích hợp cho phép kết nối trực tiếp giữa core banking và hệ thống chuyển mạch tài chính NAPAS. Luồng giao dịch thanh toán thẻ, chuyển khoản 24/7, QR và clearing được truyền và xác thực theo thời gian thực. Việc sử dụng ISO 8583 cho phép đảm bảo tính toàn vẹn message, cấu trúc data field chuẩn hóa và giảm sai lệch dữ liệu trong xử lý liên ngân hàng.

- Middleware/ESB phục vụ điều phối message đến NAPAS: Trong nhiều ngân hàng, lớp tích hợp ESB hoặc API Gateway đóng vai trò routing, transformation và load balancing nhằm giảm áp lực xử lý trực tiếp lên core banking và tránh tình trạng nghẽn giao dịch.

- Hệ thống reconciliation đối soát với NAPAS: Phục vụ đối chiếu file settlement, xử lý tra soát và bộ trữ giao dịch, đảm bảo dữ liệu khớp chính xác giữa số tài khoản và clearing report từ NAPAS. Điều này giúp ngân hàng hạn chế rủi ro kế toán và sai lệch số dư khách hàng.

### Câu 2:

- Tối ưu hóa hiệu năng xử lý giao dịch (transaction throughput & latency):

+ Luồng giao dịch kết nối trực tiếp giữa core banking và NAPAS giúp giảm độ trễ (latency) so với mô hình qua nhiều tầng middleware.

+ Message chuẩn ISO 8583 giúp giảm overhead data, tăng tốc độ truyền.

+ Khi kết hợp Gateway middleware, có thể thực hiện load balancing, queue management, giúp hệ thống duy trì throughput ổn định trong giờ cao điểm giao dịch 24/7.

- Chuẩn hóa giao thức tích hợp và nâng cao tính tương thích hệ thống

Trang 1

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## **Cisco Designing and Implementing Enterprise Network Assurance Sample Questions (Q57-Q62):**

### **NEW QUESTION # 57**

What limitations should be considered when implementing synthetic web tests for network assurance?

- A. Lack of real user behavior replication
- B. Vulnerability to DDoS attacks
- C. Inability to detect server-side issues
- D. Dependency on network connectivity
- E. Limited scalability for large networks
- F. Sensitivity to browser and device differences

**Answer: A,E,F**

Explanation:

Limitations of synthetic web tests for network assurance include the lack of real user behavior replication, limited scalability for large networks, and sensitivity to browser and device differences, impacting the accuracy of test results.

### **NEW QUESTION # 58**

What are the different ways to deploy a ThousandEyes Agent in a Switch? (Choose all that apply)

- A. From the ThousandEyes Portal in the "Enterprise & Cloud Agent" section
- B. Application Hosting
- C. Catalyst Center (formerly DNA Center)
- D. Catalyst SD-WAN Manager (formerly vManage)
- E. All of the above

**Answer: E**

Explanation:

In the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) architecture, the deployment of ThousandEyes Enterprise Agents on switching infrastructure is designed to be highly flexible, catering to different management styles and network scales. Modern Cisco switches, specifically the Catalyst

9300 and 9400 Series, support the execution of containerized applications directly on the switch's hardware through the Cisco IOS XE Application Hosting framework. 1 Application Hosting (Option A) refers to the manual method using the Cisco IOS XE Command Line Interface (CLI). An engineer can use app-hosting commands to install, configure, and manage the Docker-based Enterprise Agent. 2 This provides granular control over resource allocation and networking for the container. Catalyst Center (Option B) provides a GUI-driven, automated workflow to deploy agents at scale across an entire campus fabric. 3 It simplifies the lifecycle management by handling the installation and activation across multiple switches simultaneously. For switches acting as edge devices in an SD-WAN fabric, Catalyst SD-WAN Manager (Option C) orchestrates the deployment through centralized policies and templates, allowing the agent to be pushed as part of a device configuration. Finally, while the ThousandEyes Portal (Option D) is the management plane for tests, it is also where the Docker image and Account Group Token are obtained for any of the aforementioned deployment methods.

Each method provides the same end result: an Enterprise Agent running "on-box" to provide deep visibility into the network path starting directly from the access or core layer. Therefore, All of the above (Option E) is the correct answer as it encompasses the manual, automated, and orchestrated methods available for switch-based deployment as per the 300-445 ENNA official guidelines.

### **NEW QUESTION # 59**

A network engineer needs to monitor the performance of a business-critical web application accessed by remote employees connecting through a Cisco AnyConnect VPN. Which two agent deployment methods are most suitable for this scenario? (Choose two)

- A. Deploy ThousandEyes Enterprise Agents on the VPN concentrator where the AnyConnect clients terminate.
- B. Utilize the ThousandEyes Endpoint Agent and deploy it on a subset of remote employee machines running Cisco AnyConnect.

- C. Integrate ThousandEyes with Cisco AppDynamics to monitor application performance from the server-side.
- D. Configure ThousandEyes tests from Enterprise Agents located in the data center where the web application is hosted.
- E. Deploy ThousandEyes Cloud Agents in the same geographical regions as the remote employees.

**Answer: B,E**

Explanation:

For the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) exam, monitoring remote workforces requires a strategy that captures both the user's local environment and the regional internet health. In a scenario involving Cisco AnyConnect VPN, the "last mile" connectivity of the employee is often the most significant variable in application performance.

Utilizing the ThousandEyes Endpoint Agent (Option D) is the most effective way to monitor this environment. Because the agent resides directly on the remote employee's machine, it can monitor the performance of the web application both "inside" and "outside" the VPN tunnel. It provides visibility into the local Wi-Fi signal strength, the health of the AnyConnect client, and the latency experienced as traffic traverses the VPN headend. This allows engineers to differentiate between a slow home internet connection and an issue with the VPN concentrator.

Deploying ThousandEyes Cloud Agents (Option A) serves as a critical baseline. By running tests from Cloud Agents in the same regions as the remote employees, the engineer can determine if the "internet" in that region is healthy. If a Cloud Agent in London shows a perfect response time while an Endpoint Agent in London shows high latency, the engineer can immediately isolate the problem to the user's specific setup or the VPN path, rather than a regional ISP outage.

Other options are less suitable for monitoring the remote employee's experience:

- \* AppDynamics (Option B) provides server-side code visibility but cannot see the user's home Wi-Fi or local network path.
- \* Enterprise Agents on the VPN concentrator (Option C) can monitor the path from the data center to the app, but they cannot see the path from the user to the concentrator.
- \* Enterprise Agents in the data center (Option E) provide an "inside-out" view of the app's health but miss the entire remote access experience.

#### NEW QUESTION # 60

In data analysis, which collected data is analyzed to diagnose web application performance issues?

- A. CPU utilization
- B. Network latency
- C. Browser waterfalls
- D. Packet loss

**Answer: C**

Explanation:

In data analysis, browser waterfalls are analyzed to diagnose web application performance issues. Browser waterfalls provide a visual representation of the sequence and timing of resource loading within a web page, helping identify bottlenecks, latency issues, and performance optimizations to enhance user experience and page load times.

#### NEW QUESTION # 61

The Endpoint stopped appearing online after it was moved to another network. The customer reviewed the endpoint logs but did not identify anything suspicious. The customer also confirmed that the endpoint was online on the old network, and the new network is fully operational. Other endpoints that were moved to the new network are also online. Since the new network is small, the admin is using static IP assignment. What is the best way to bring the endpoint online?

- A. It may be an issue with the lack of space in the new network. The endpoint should be moved back to the old network.
- B. Endpoint IP settings must be checked along with connectivity to c1.eb.thousandeyes.com
- C. The endpoint agent should be reinstalled to come online. This always helps.
- D. The endpoint will automatically come online in 10-15 minutes, no action is needed.

**Answer: B**

Explanation:

In the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) curriculum, troubleshooting endpoint connectivity requires a systematic analysis of local device logs and network environment changes. According to the log message provided in Exhibit 1, there was a specific timeout error when the agent attempted to reach the ThousandEyes backend. The logs explicitly state: Request to: ws://c1.

eb.thousandeyes.com/relay/connect timed out: 12002: The operation timed out.

Since the endpoint was relocated to a new network utilizing static IP assignment, and other endpoints on the same network are functioning correctly, the issue is highly localized to this specific device's configuration. In a static IP environment, human error during the manual entry of the IP address, subnet mask, default gateway, or DNS server is a common root cause of connectivity failure. If the gateway is incorrect, the agent cannot reach the internet; if the DNS is incorrect, it cannot resolve c1.eb.thousandeyes.com. Therefore, the best way to bring the endpoint online is to verify the accuracy of the IP settings and test direct connectivity to the ThousandEyes relay URL.

The alternative options do not address the technical evidence found in the logs:

- \* Option A: Moving the device back is a regressive step that does not resolve the need for the device to function in its new location.
- \* Option B: Reinstalling software is a "brute force" method that rarely fixes underlying network-layer misconfigurations like an incorrect static IP.
- \* Option C: A timeout error (12002) indicates a persistent connectivity blockage that will not resolve itself without administrative intervention.

Checking the static IP credentials ensures the device has a valid path to the internet to establish its secure websocket (WSS) connection to the ThousandEyes platform.

## NEW QUESTION # 62

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