

Cisco 300-445 시험요강:

주제	소개
주제 1	• 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.
주제 2	• 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.
주제 3	• 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.
주제 4	• 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.

최신 CCNP Enterprise 300-445 무료 샘플문제 (Q54-Q59):

질문 # 54

An administrator has set up GPO properly, but realized ThousandEyes EPA was not deployed on one of the office PCs.⁹ What is the appropriate first step?

- A. Check that the PC belongs to the needed domain
- B. Reboot the Server, this will restart GPO on the PC
- C. Reboot the PC, this will restart GPO on the server
- D. After GPO deployment, an administrator account must log in to deploy the EPA

정답: A

설명:

In the Designing and Implementing Enterprise Network Assurance (300-445 ENNA) curriculum, troubleshooting deployment issues is as critical as the initial configuration. When utilizing Group Policy Objects (GPOs) for the distribution of the ThousandEyes Endpoint Agent (EPA), certain prerequisites must be met for the policy to take effect on a target machine.¹⁰ The most fundamental requirement is that the target PC must be a member of the domain or the specific Organizational Unit (OU) where the GPO is linked. Therefore, the appropriate first step is to check that the PC belongs to the needed domain (Option B). GPOs are scoped based on Active Directory membership; if a computer is in a workgroup or a different domain/OU that is not targeted by the policy, it will never receive the instruction to install the software, regardless of how "properly" the GPO is configured on the server.¹¹ The other options are technically incorrect or represent a misunderstanding of GPO mechanics:

* Administrator Login (Option A): EPA installation via GPO is typically configured to run under the System account context during startup, meaning it is not dependent on a specific user (administrator or otherwise) logging in to trigger the deployment.

* Rebooting to restart GPO on the server (Option C): Rebooting a client PC triggers a "GPOUpdate" request from the client to the server, but it does not "restart" the GPO service on the server side.

* Rebooting the Server (Option D): This is an invasive and unnecessary step that will not force a policy update on a specific client PC if that PC is not correctly joined to the domain or is experiencing a local networking issue.

By verifying domain membership first, the administrator ensures the basic trust and communication path required for GPO delivery is functional before moving to more complex troubleshooting steps like checking event logs or network connectivity.

질문 # 55

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

- A. Catalyst SD-WAN Manager (formerly vManage)
- B. From the ThousandEyes Portal in the "Enterprise & Cloud Agent" section

- C. All of the above
- D. Catalyst Center (formerly DNA Center)
- E. Application Hosting

정답: C

설명:

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.

질문 # 56

What type of network issue can be diagnosed using collected data such as browser waterfalls?

- A. Web application performance issues
- B. Software bugs
- C. Network congestion
- D. Hardware failures

정답: A

설명:

Web application performance issues can be diagnosed using collected data such as browser waterfalls, which provide insights into resource loading times and page rendering performance.

질문 # 57

How does an endpoint agent contribute to network data collection?

- A. Analyzing network traffic
- B. Managing network infrastructure
- C. Monitoring end-user devices
- D. Configuring network protocols

정답: C

설명:

An endpoint agent contributes to network data collection by monitoring end-user devices and capturing relevant performance metrics for analysis.

질문 # 58

What type of alert rule configuration is used to monitor TCP protocol behavior in network assurance?

- A. State-based rules
- B. Error counters-based rules
- C. Performance-based rules

