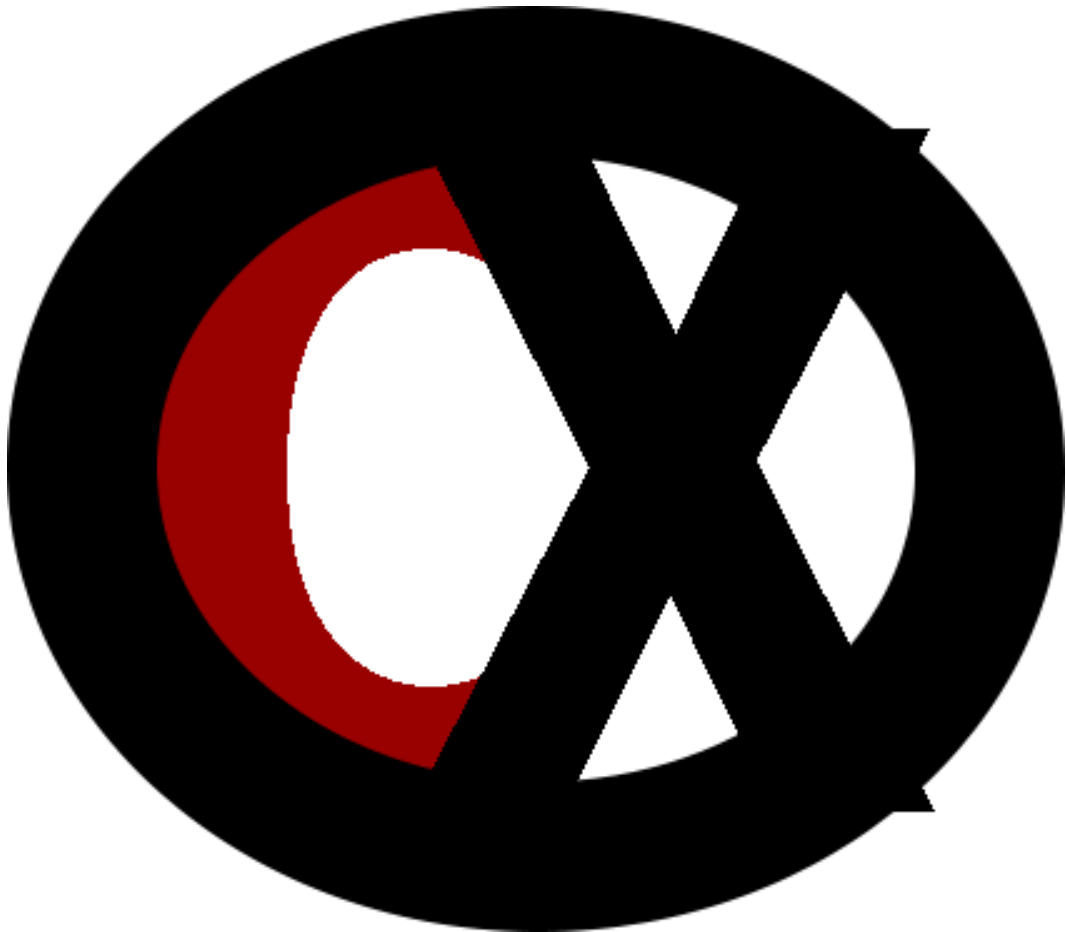


1Y0-230 Citrix ADC 12 Essentials and Citrix Gateway Practice Exam Demo



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1Y0-230 Citrix ADC 12 Essentials and Citrix Guide Practice Exam Demo

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Section 1: Getting Started

1.01

Objective: Understand the Citrix ADC architecture and functionality

1. Application delivery controllers (ADCs) are purpose-built networking appliances whose function is to improve the _____. (Choose the correct option to complete the sentence.)
 - a. compatibility of end-user devices.
 - b. acceleration, control and optimization of desktops and applications.
 - c. performance, security and resiliency of applications delivered over the web.
 - d. performance of an application within a specific run-time environment or operating system.

Answer: c.

Explanation: ADCs are purpose-built networking appliances whose function is to improve the performance, security and resiliency of applications delivered over the web.

Source: What is an Application Delivery Controller (ADC)?

<https://www.citrix.com/glossary/adc.html>

Section 2: Basic Networking

2.01

Objective: Determine which networking topology to use with Citrix ADC based on given requirements.

2. **Scenario:** A Citrix Administrator is configuring a Citrix ADC appliance. The appliance is connected to multiple VPNs. The administrator needs to ensure that all traffic flowing through a VPN passes back through the same VPN.

What should the administrator configure to meet the requirement?

- a. Bridge groups
- b. Active-active mode
- c. Virtual MAC address
- d. MAC-based forwarding

Answer: d.

Explanation: MAC-based forwarding may be required when the NetScaler is connected to multiple stateful devices, such as VPNs or firewalls, because it ensures that the return traffic is sent to the same device that the initial traffic came from.

Source: Configuring MAC-Based Forwarding

<https://docs.citrix.com/en-us/netscaler/12/networking/interfaces/configuring-mac-based-forwarding.html>

Section 4: High Availability

3. After performing an upgrade on a Citrix ADC HA pair, a Citrix Administrator notices that all virtual servers are down on the secondary appliance.

Which two configurations should be administered to resolve the issue?
(Choose two.)

- a. Enable the HA state.
- b. Sync the config files.
- c. Enable HA synchronization.

- d. Verify the SNIP address is active.
- e. Ensure the correct license has been installed.

Answer: a.c.

Explanation: If after performing an upgrade, all virtual servers are down on the secondary appliance, enable the HA state and HA synchronization by running the following commands: 'set node hastate enable' and 'set node hasync enable'.

Source: Troubleshooting

<https://docs.citrix.com/en-us/netscaler/12/upgrade-downgrade-netscaler-appliance/troubleshooting.html>

Section 5: Load Balancing

5.01

Objective: Identify the Citrix ADC load-balancing role of entities.

- 4. Select the Citrix ADC load balancing method detailed in the following description:

"The virtual server selects the service with the best combination of fewest active transactions and highest weight."

- a. Token
- b. Hashing
- c. Round Robin
- d. Custom Load
- e. Least Connection

Answer: e.

Explanation: Using the least connection load balancing method, the virtual server selects the service with the best combination of fewest active transactions and highest weight.

Source: Assign weights to services

<https://docs.citrix.com/en-us/netscaler/12/load-balancing/load-balancing-customizing/assign-weight-services.html>

Section 6: SSL Offload

6.04

Objective: Determine which Citrix ADC configuration settings can prevent a given SSL Exploit.

5. Which two Citrix ADC configuration settings enforce certificate integrity and allow a website owner to make HTTPS the only method that a browser can use for accessing the site? (Choose two.)
 - a. Ensure SSLv3 is enabled.
 - b. Allow insecure renegotiation.
 - c. Ensure RC4 ciphers are enabled.
 - d. Ensure the intermediate certificate and root certificate have a SHA2/SHA256 signature.
 - e. Ensure the server certificate and intermediate certificate have a SHA2/SHA256 signature.
 - f. Implement Strict Transport Security by inserting a custom header using a rewrite policy bound to the vServer.

Answer: e.f.

Explanation: By configuring an ADC to ensure the server certificate and intermediate certificate have an SHA2/SHA256 signature and implementing Strict Transport Security by inserting a custom header using a rewrite policy

bound to the vServer, a website owner can enforce certificate integrity and make HTTPS the only method that a browser can use for accessing the site.

Source: Scoring an A+ at SSLlabs.com with Citrix NetScaler – 2016 update
<https://www.citrix.com/blogs/2016/06/09/scoring-an-a-at-ssllabs-com-with-citrix-netscaler-2016-update/>

Strict Transport Security (STS or HSTS) with Citrix NetScaler and Access Gateway Enterprise

<https://www.citrix.com/blogs/2010/09/10/strict-transport-security-sts-or-hsts-with-citrix-netscaler-and-access-gateway-enterprise/>

Section 7: Securing the Citrix ADC

7.03

Objective: Determine the components and steps required to secure a Citrix ADC configuration.

6. Which feature allows a Citrix Administrator to define granular policies to configure and enforce user environment attributes for Citrix Virtual Apps and Desktops on Citrix ADC?
 - a. AppFlow
 - b. AppExpert
 - c. SmartAccess
 - d. SmartControl

Answer: d.

Explanation: SmartControl allows administrators to define granular policies to configure and enforce user environment attributes for Citrix Virtual Apps and Desktops on Citrix Gateway. SmartControl allows administrators to manage these policies from a single location, rather than at each instance of these server types.

Source: Configuring SmartControl

<https://docs.citrix.com/en-us/netscaler-gateway/12/integrate-web-interface-apps/smart-control.html>

Section 8: Troubleshooting

8.01

Objective: Determine how to resolve Citrix ADC log issues.

7. **Scenario:** A Citrix Administrator is planning to consolidate all Citrix ADC logging into one log file. The administrator must ensure there is a filter definition for each log transaction that occurs.

Which step should the administrator take to meet the requirement?

- a. Define the default filter.
- b. Apply the filter to all IP addresses.
- c. Ensure all ADC appliances are on the same subnet.
- d. Specify each NSIP address in the consolidated log file.

Answer: a.

Explanation: For consolidated logging, if a log transaction occurs for which there is no filter definition, the default filter is used (if it is enabled.) The only way to configure consolidated logging of all the ADC appliances is by defining the default filter.

Source: Customize logging on the NSLOG server

<https://docs.citrix.com/en-us/netscaler/12/system/audit-logging/customize-logging-on-nslog-server.html>

Section 9: Citrix Gateway

9.02

Objective: Determine how to configure Citrix Gateway in a given environment.

8. What are two configuration elements that the administrator needs for Unified Gateway set up? (Choose two.)
- a. DataStream connection
 - b. Secondary authentication
 - c. Global Server Load Balancing
 - d. Signed SSL server certificate
 - e. Content Switching virtual server

Answer: d.e.

Explanation: The Unified Gateway elements configured by the wizard are: The Unified Gateway primary virtual server, an SSL Server Certificate for the Unified Gateway virtual server, a primary authentication configuration (secondary authentication is optional), a portal theme selection and optional customization, and the user applications that are to be accessed through the Unified Gateway portal.

Source: Configuring Unified Gateway

<https://docs.citrix.com/en-us/netScaler-gateway/12/unified-gateway.html>

Section 11: Authentication, Authorization and Policies

11.02

Objective: Determine the steps in Authentication process to establish identity.

9. If a user accesses the intranet without having logged in, the ADC collects the user's credentials, delivers them to the authentication server, and caches them in a directory that is accessible through _____. (Choose the correct option to complete the sentence.)
- a. SAML
 - b. LDAP

- c. OAuth
- d. nFactor

Answer: b.

Explanation: Any user who wants to access the intranet must have a valid user name and password. To meet these requirements, the ADC does the following: Redirects the user to the login page if the user accesses the intranet without having logged in. Collects the user's credentials, delivers them to the authentication server, and caches them in a directory that is accessible through LDAP. Verifies that the user is authorized to access specific intranet content before delivering the user's request to the application server. Maintains a session timeout after which users must authenticate again to regain access to the intranet. Logs the user accesses, including invalid login attempts, in an audit log.

Source: How AAA works

<https://docs.citrix.com/en-us/netscaler/12/aaa-tm/ns-aaa-how-it-works-con.html>

Section 13: Integration for Citrix Virtual Apps and Desktops Solutions

13.01

Objective: Determine how to integrate Citrix Gateway with Citrix Virtual Apps and Desktops.

10. Which feature allows a Citrix Administrator to control access to HDX apps based on device properties, user properties of a device, or applications installed on a device?

- a. RDP Proxy
- b. SmartAccess
- c. SmartControl
- d. Stateless RDP Proxy

Answer: b.

Explanation: SmartAccess for HDX apps allows an administrator to control access to HDX apps based on device properties, user properties of a device, or applications installed on a device. Use this feature by setting automated actions to mark the device as out of compliance to deny that device access. HDX apps used with this feature are configured in XenApp and XenDesktop by using a SmartAccess policy that denies access to out-of-compliance devices.

Source: SmartAccess for HDX apps

<https://docs.citrix.com/en-us/xenmobile/server/apps/smart-access-to-hdx-apps.html>