



1Y0-440^{Q&As}

Architecting a Citrix Networking Solution

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**QUESTION 1**

Scenario: A Citrix Architect has met with a team of Workspacelab members for a design discussion. They have captured the following requirements for NetScaler design project:

1.

The authentication must be deployed for the users from the workspacelab.com and vendorlab.com domains.

2.

The workspacelab users connecting from the internal (workspacelab) network should be authenticated using LDAP.

3.

The workspacelab users connecting from the external network should be authenticated using LDAP and RADIUS.

4.

The vendorlab users should be authenticated using Active Directory Federation Service.

5.

The user credentials must NOT be shared between workspacelab and vendorlab.

6.

Single Sign-on must be performed between StoreFront and NetScaler Gateway.

7.

A domain drop down list must be provided if the user connects to the NetScaler gateway virtual server externally.

Which method must the architect utilize for user management between the two domains?

A. Create shadow accounts for the users of the Workspacelab domain in the Vendorlab domain.

B. Create a global catalog containing the objects of Vendorlab and Workspacelab domains.

C. Create shadow accounts for the Vendorlab domain in the Workspacelab domain.

D. Create a two-way trust between the Vendorlab and Workspacelab domains.

Correct Answer: B

QUESTION 2

Scenario: A Citrix Architect has set up NetScaler MPX devices in high availability mode with version 12.0.

53.13 nc. These are placed behind a Cisco ASA 5505 Firewall is configured to block traffic using access control lists. The network address translation (NAT) is also performed on the firewall.

The following requirements were captured by the architect during the discussion held as part of the NetScaler security



implementation project with the customer's security team:

The NetScaler device:

1.

Should monitor the rate of traffic either on a specific virtual entity or on the device. It should be able to mitigate the attacks from a hostile client sending a flood of requests. The NetScaler device should be able to stop the HTTP, TCP, and DNS based requests.

2.

Needs to protect backend servers from overloading.

3.

Needs to queue all the incoming requests on the virtual server level instead of the service level.

4.

Should provide access to resources on the basis of priority.

5.

Should provide protection against well-known Windows exploits, virus-infected personal computers, centrally managed automated botnets, compromised web servers, known spammers/hackers, and phishing

proxies.

6.

Should provide flexibility to enforce the desired level of security check inspections for the requests originating from a specific geolocation database.

7.

Should block the traffic based on a pre-determined header length, URL length, and cookie length. The device should ensure that characters such as a single straight quote (*); backslash(\), and semicolon (;) are either blocked, transformed, or dropped while being sent to the backend server.

Which two security features should the architect configure to meet these requirements? (Choose two.)

- A. Pattern sets
- B. Rate limiting
- C. HTTP DDOS
- D. Data sets
- E. APPQOE

Correct Answer: BE

Reference: <https://docs.citrix.com/en-us/citrix-adc/12-1/appexpert/appqoe.html> <https://docs.citrix.com/en-us/citrix-adc/12-1/appexpert/rate-limiting.html>

**QUESTION 3**

Scenario: A Citrix Architect needs to deploy three VPX instances on NetScaler SDX 11500 device to meet the following design requirements:

1.

Three (3) VPX instances must be provisioned on the SDX device.

2.

Instance 1 must be utilized for deploying NetScaler Gateway virtual server.

3.

Instance 2 must be utilized for deploying load balancing virtual servers for XML, Director, StoreFront, and Active Directory servers.

4.

Separate IP address must be utilized for the communication with XenApp environment and LDAP communication.

5.

Instance 3 must be used for deploying the test environment.

6.

In the test environment, NetScaler Gateway virtual server, load balancing virtual servers for XML, Director, StoreFront and Active Directory servers must be configured.

How many IP addresses will be required to meet these design requirements?

A. 14

B. 20

C. 16

D. 18

Correct Answer: D

QUESTION 4

Scenario: A Citrix Architect needs to assess an existing NetScaler configuration. The customer recently found that certain user groups were receiving access to an internal web server with an authorization configuration that does NOT align with the designed security requirements.

Click the Exhibit button view the configured authorization settings for the web server.



Requirements					
<ul style="list-style-type: none"> By default, no connection should have access to network resources unless authorized based on the other requirements. By default, only connections coming from the internal network (192.168.10.0/24) should be permitted to access the web server. The Accountants group is authorized to access URLs with a “.zip” extension; all other users must NOT be authorized for this. The Executives group is authorized to access the web server from inside OR outside the internal network. 					
Configurations					
Name	Type	Bind Point	Action	Priority	Associated Policy Expressions
Item 1	Authorization setting	Global	DENY	N/A	N/A
Item 2	Authorization Policy	NetScaler traffic management virtual server	ALLOW	1	Client.IP.SRC.IN_SUBNET (192.168.10.0/24)
Item 3	Authorization Policy	NetScaler traffic management virtual server	DENY	2	HTTP.REQ.URL.SUFFIX.EQ (“zip”)
Item 4	Authorization Policy	Accountants Group	ALLOW	1	HTTP.REQ.URL.SUFFIX.EQ (“zip”)
Item 5	Authorization Policy	Executives Group	ALLOW	1	Client.IP.SRC.NE (192.168.10.0/24)

Which item should the architect change or remove to align the authorization configuration with the security requirements of the organization?

- A. Item 1
- B. Item 3
- C. Item 4
- D. Item 5
- E. Item 2

Correct Answer: E

QUESTION 5



Scenario: Based on a discussion between a Citrix Architect and team of Workspacelab has been created across three (3) sites.

They captured the following requirements during the design discussion held for NetScaler design projects:

1.

All three (3) Workspacelab sites (DC, NDR, and DR) will have similar NetScaler configuration and design.

2.

Both external and internal NetScaler MPX appliances will have Global Server Load balancing (GSLB) configured and deployed in Active/Passive mode.

3.

GSLB should resolve both A and AAA DNS queries.

4.

In the GSLB deployment, the NDR site will act as backup for the DC site. whereas the DR site will act as backup for the NDR site.

5.

When the external NetScaler replies to DNS traffic coming in through Cisco Firepower IPS, the replies should be sent back through the same path.

6.

On the internal NetScaler, both front-end VIP and back-end SNIP will be part of the same subnet.

7.

USIP is configured on the DMZ NetScaler appliances.

8.

The external NetScaler will act default gateway for back-end servers.

9.

All three (3) sites (DC, NDR, and DR) will have two (2) links to the Internet from different service providers configured in Active/Standby mode.

Which design decision must the architect make to meet the design requirements above?

A. Interface 0/1 must be used for DNS traffic.

B. The SNIP of the external NetScaler must be configured as default gateway on the back-end servers.

C. ADNS service must be used with IPv6 address.

D. Policy-Based Route with next hop as CISCO IPS must be configured on the external NetScaler.

Correct Answer: C



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