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Architecting a Citrix Networking Solution

Citrix 1Y0-440

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QUESTION NO: 1

Scenario: A Citrix Architect needs to configure a full VPN session profile to meet the following requirements:

▪ Users should be able to send the traffic only for the allowed networks through the VPN tunnel.

▪ Only the DNS requests ending with the configured DNS suffix workspacelab.com must be sent to NetScaler Gateway. ▪ If the DNS query does NOT contain a domain name, then DNS requests must be sent to NetScaler gateway.

Which settings will meet these requirements?

A. Split Tunnel to OFF, Split DNS Both

B. Split Tunnel to ON, Split DNS Local

C. Split Tunnel to OFF, Split DNS Remote

D. Split Tunnel to ON, Split DNS Remote

ANSWER: B

QUESTION NO: 2

Which three methods can a Citrix Architect use to assess the capabilities of a network infrastructure? (Choose three.)

A. Review existing monitoring solutions for periods of latency, lost packets, and insufficient bandwidth.

B. Map the location of the users against the existing network topology.

C. Alter firewall rules of existing network to fit into the new NetScaler Deployment.

D. Examine the topology for single points of failure and potential bottlenecks.

E. Ensure that users and computers are in the correct organizational units (OUs).

ANSWER: A B D

QUESTION NO: 3

A Citrix Architect can execute a configuration job using a DeployMasterConfiguration template on a NetScaler_____deployed_____. (Choose the correct option to complete sentence.)

A. CPX; as part of a high availability pair

B. CPX; as a stand alone device

C. SDX; with less than 6 partitions and dedicated management interface

D. MPX; as part of the cluster but Cluster IP is NOT configured

E. SDX; with no partitions as a stand alone device

ANSWER: C

QUESTION NO: 4

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:

▪ 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.

▪ Needs to protect backend servers from overloading.

▪ Needs to queue all the incoming requests on the virtual server level instead of the service level. ▪ Should provide access to resources on the basis of priority.

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

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

▪ 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

ANSWER: B E

Explanation:

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 NO: 5

Which four load-balancing methods support NetScaler Virtual Server-Level Slow Start? (Choose four.)

A. URLHash

B. Least response time

C. Least Packets

D. Least Connection

E. Token

F. Least bandwidth

G. SRCIPSRCPORTHash

ANSWER: B C D F

Explanation:

Reference: https://support.citrix.com/article/CTX108886

QUESTION NO: 6

Scenario: A Citrix Architect needs to assess an existing NetScaler gateway deployment. During the assessment, the architect collected key requirements for VPN users, as well as the current session profile settings that are applied to those users.

Click the Exhibit button to view the information collected by the architect.

	Requirements
	• Users should use the NetScaler Gateway Plugin to connect to internal resources, including intranet web pages, StoreFront, and the Microsoft Outlook Web App. • Users should be presented with two logon options: NetScaler Gateway Plugin and StoreFront. • Once connected, all outbound network traffic from the client device should pass through the NetScaler Gateway.

	Configurations		
Name	**Type**	**Setting**	**Configuration**
Item 1	Network Configuration	Home Page	NOT configured
Item 2	Client Experience	URL for Web-based email	NOT configured
Item 3	Client Experience	Split Tunnel	OFF
Item 4	Client Experience	Client Choices	Enabled
Item 5	Published Applications	ICA Proxy	OFF

Which configuration should the architect change to meet all the stated requirements?

A. Item 5

B. Item 1

C. Item 2

D. Item 3

E. Item 4

ANSWER: A

QUESTION NO: 7

Scenario: A Citrix Architect needs to deploy a load balancing for an application server on the NetScaler. The authentication must be performed on the NetScaler. After the authentication, the Single Sign-on with the application servers must be performed using Kerberos impersonation.

Which three authentication methods can the Architect utilize to gather the credentials from the user in this scenario? (Choose three.)

A. SAML

B. OTP

C. TACACS

D. WEBAUTH

E. LDAP

ANSWER: A D E

QUESTION NO: 8

Scenario: Based on a discussion between a Citrix Architect and a team of Workspacelab members, the MPX Logical layout for Workspacelab has been created across three (3) sites.

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

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

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

▪ GSLB should resolve both A and AAA DNS queries.

▪ 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.

▪ When the external NetScaler replies to DNS traffic coming in through Cisco Firepower IPS, the replies should be sent back through the same path. ▪ On the internal NetScaler, both the front-end VIP and backend SNIP will be part of the same subnet.

▪ The external NetScaler will act as default gateway for the backend servers.

▪ 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 the design requirements above?

A. MAC-based Forwarding must be enabled on the External NetScaler Pair.

B. NSIP of the External NetScaler must be configured as the default gateway on the backend servers.

C. The Internal NetScaler must be deployed in Transparent mode.

D. The ADNS service must be configured with an IPv6 address.

ANSWER: C

QUESTION NO: 9

Which two features are supported on LbaaSV1? (Choose two.)

A. Cookie Insertion

B. Layer 7 Load Balancing

C. Certificate Bundle

D. Layer 4 Load balancing

E. Server name Indicator

ANSWER: D E

QUESTION NO: 10

A Citrix Architect needs to define the architect and operational processes required to implement and maintain the production environment.

In which phase of the Citrix Methodology will the architect define this?

A. Define

B. Deploy

C. Assess

D. Review

E. Manage

F. Design

ANSWER: F

Explanation:

Reference: https://www.slideshare.net/davidmcg/designing-your-xenapp-75-environment