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Architecting a Citrix Networking Solution

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QUESTION 1

Scenario: A Citrix Architect is asked by management at the Workslab organization to review their existing configuration and make the necessary upgrades. The architect recommends small changes to the preexisting NetScaler configuration. Currently, the NetScaler MPX devices are configured in a high availability pair, and the outbound traffic is load-balanced between two Internet service providers 9ISPs). However, the failover is NOT happening correctly.

The following requirements were discussed during the design requirements phase:

1.

 The return traffic for a specific flow should be routed through the same path while using Link Load Balancing.

2.

 The link should fail over if the ISP router is up and intermediary devices to an ISP router are down.

3.

 Traffic going through one ISP router should fail over to the secondary ISP, and the traffic should NOT flow through both routers simultaneously.

What should the architect configure with Link Load balancing (LLB) to meet this requirement?

A. Net Profile

B. Mac-based forwarding option enabled.

C. Resilient deployment mode

D. Backup route

Correct Answer: D

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 webservers, 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

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QUESTION 3

Scenario: A Citrix Architect needs to design a hybrid XenApp and XenApp and XenDesktop environment which will include Citrix Cloud as well as resource locations in on-premises datacenter and Microsoft Azure.

Organizational details and requirements are as follows:

1.

Active XenApp and XenDesktop Service subscription

2.

No existing NetScaler deployment

3.

About 3,000 remote users are expected to regularly access the environment

4.

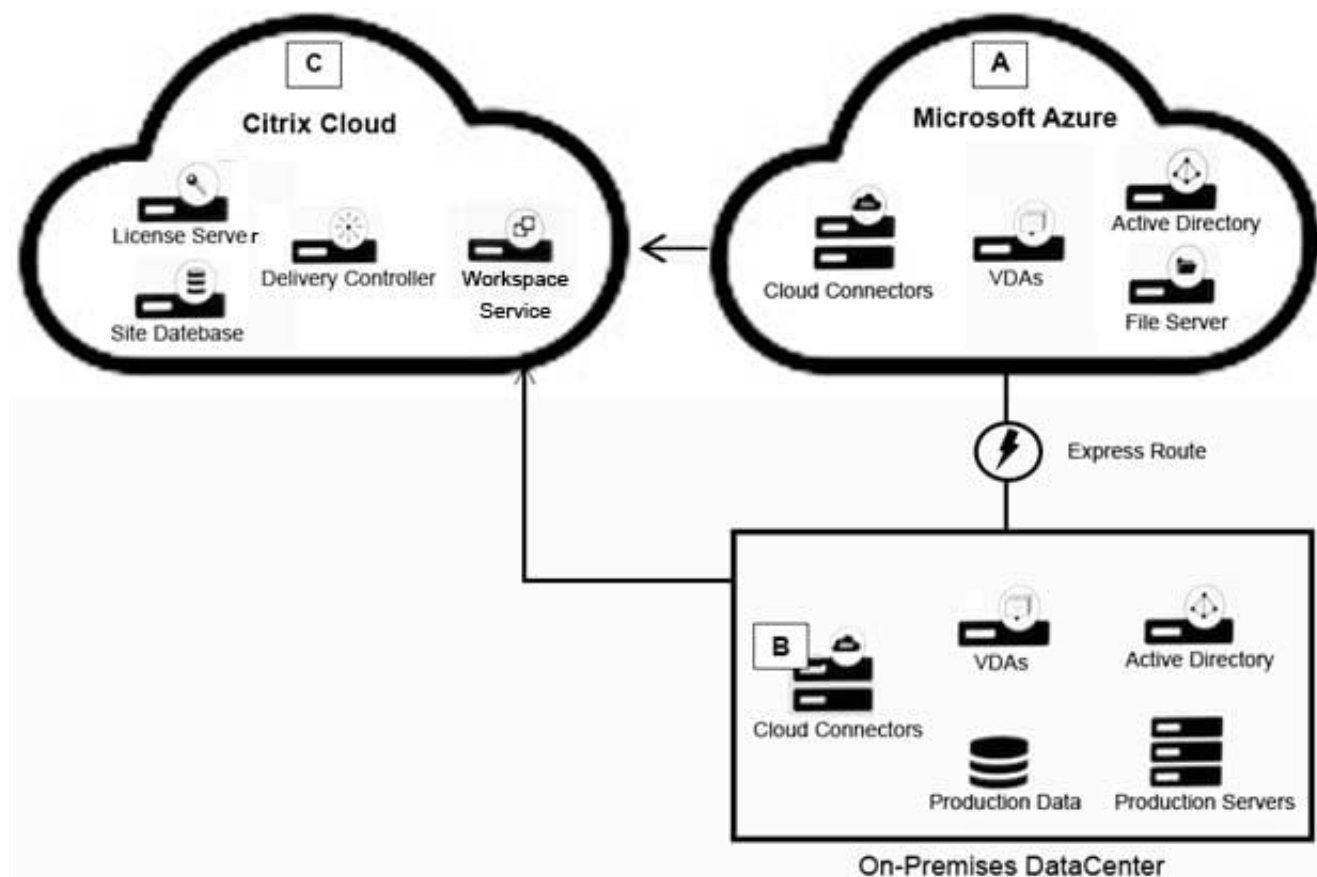Multi-factor authentication should be used for all external connections

5.

Solution must provide load balancing for backend application servers

6.

Load-balancing services must be in Location B

Click the Exhibit button to view the conceptual environment architecture.

The architect should use _____ in Location A, and should use _____ in Location B. (Choose the correct option to complete the sentence.)

A. NetScaler Gateway as a Service, no NetScaler products

B. No NetScaler products, NetScaler ADC (BYO)

C. NetScaler Gateway as a Service, NetScaler ADC (BYO)

D. No NetScaler products, NetScaler ICA Proxy (cloud-licensed)

E. NetScaler Gateway as a Service, NetScaler ICA Proxy (cloud-licensed)

F. No NetScaler products; NetScaler Gateway appliance

Correct Answer: C

QUESTION 4

A Citrix Architect needs to make sure that maximum concurrent AAA user sessions are limited to 4000 as a security restriction.

Which authentication setting can the architect utilize to view the current configuration?

A. Global Session Settings

B. AAA Parameters

C. Active User Session

D. AAA Virtual Server

Correct Answer: A

Reference: https://www.carlstalhood.com/category/netscaler/netscaler-11-1/netscaler-gateway-11-1/

QUESTION 5

Scenario: A Citrix Architect needs to design a NetScaler deployment in Microsoft Azure. An Active-Passive NetScaler VPX pair will provide load balancing for three distinct web applications. The architect has identified the following requirements:

1.

Minimize deployment costs where possible.

2.

Provide dedicated bandwidth for each web application.

3.

Provide a different public IP address for each web application.

For this deployment, the architect should configure each NetScaler VPX machine to have _____ network interface(s) and configure IP address by using _____. (Choose the correct option to complete the sentence).

A. 4; Port Address Translation

B. 1; Network Address Translation

C. 1; Port Address Translation

D. 2; Network Address Translation

E. 4; Network Address Translation

F. 2; Port Address Translation

Correct Answer: C

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