1Y0-440 $^{Q\&As}$

Architecting a Citrix Networking Solution

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QUESTION 1

Scenario: A Citrix Architect needs to deploy a NetScaler appliance for Workspacelab, which will provide application load balancing services to Partnerlab and Vendorlab.

The setup requirements are as follows:

1.

 A pair of NetScaler MPX appliances will be deployed in the DMZ network.

2.

 High availability will be accessible on the NetScaler MPX in the DMZ Network.

3.

 Load balancing should be performed for the mail servers for Partnerlab and Vendorlab.

4.

 The traffic for both of the organizations must be isolated.

5.

 Separate Management accounts must be available for each client.

6.

 The load-balancing IP addresses must be identical.

7.

 A separate VLAN must be utilized for communication for each client.

Which solution can the architect utilize to meet the requirements?

A. Traffic Domain

B. Admin Partition

C. VLAN Filtering

D. VPX or MPX

Correct Answer: D

QUESTION 2

Which NetScaler Management and Analytics System (NMAS) utility can a Citrix Architect utilize to verify the configuration template created by the NMAS StyleBook, before actually executing it on the NetScaler?

A. Dry Run

B. configpack

C. NITRO API

D. configcheck

Correct Answer: A

Reference: https://docs.citrix.com/en-us/netscaler-mas/12/stylebooks/how-to-use-user-defined-stylebooksin-mas.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
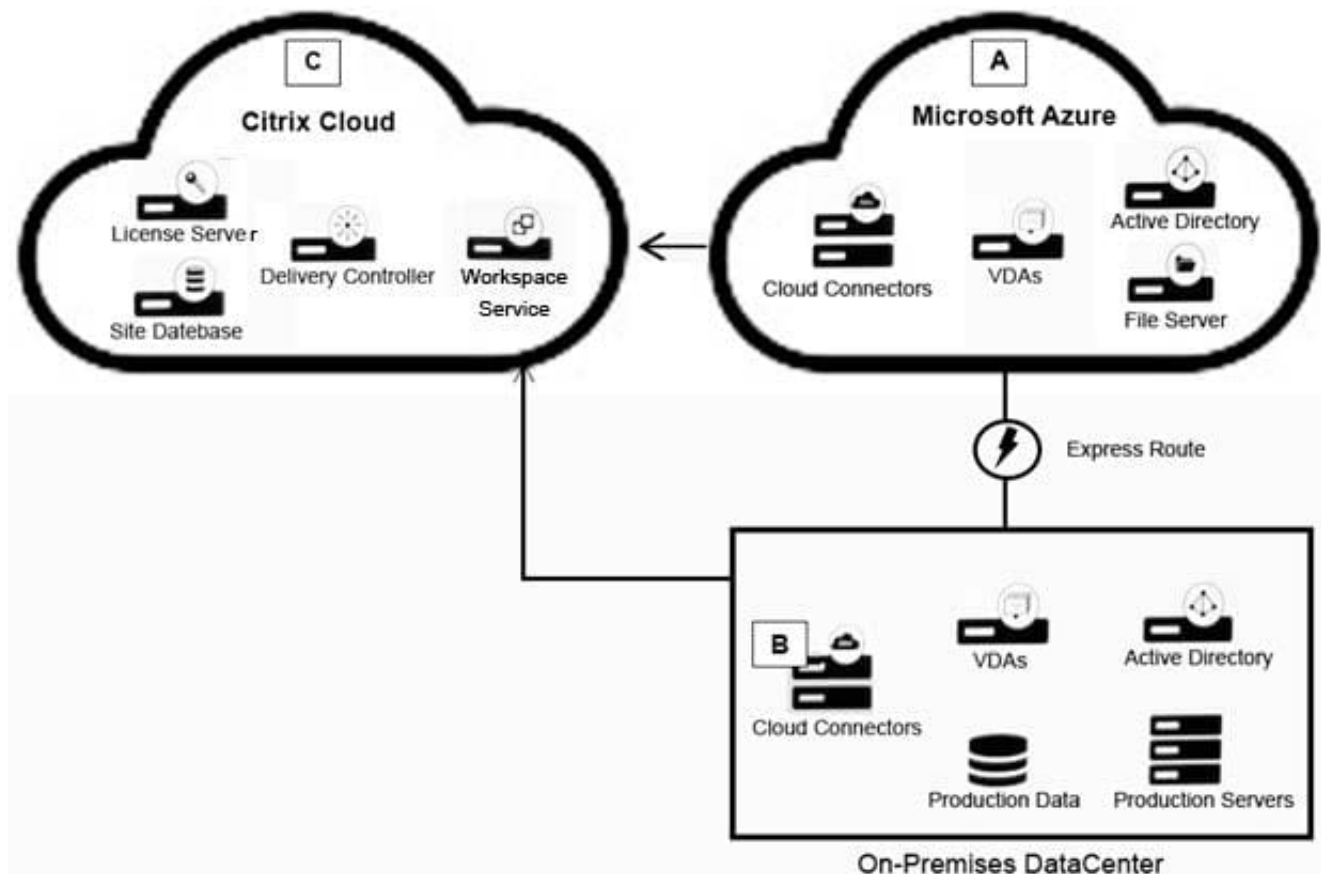
5.

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

Which request can a Citrix Architect utilize to create a NITRO API command to add a NetScaler appliance with NSIP address 10.102.29.60 to the cluster?

A.
```
HTTP Method POST
URL: http://<netscaler-ip-address>/nitro/v1/config/clustermode
Request Headers
Cookie: NITRO_AUTH_TOKEN=<tokenvalue>
Content-Type: application/json
Request Payload
{
    "clusternode":
    {
        "nodeid".1,
        "ipaddress"."10.102.29.60",
        "state"."ACTIVE",
        "backplane"."1/1/2"
    }
}
```

B.
```
HTTP Method PUT
URL: http://<netscaler-ip-address>/nitro/v1/config/clustermode
Request Headers
Content-Type: text/yaml
Request Payload
{
    "clusternode":
    {
        "nodeid".1,
        "ipaddress"."10.102.29.60",
        "state"."ACTIVE",
        "backplane"."1/1/2"
    }
}
```

C.
```
HTTP Method POST
URL: http://<netscaler-ip-address>/nitro/v1/config/clustermode
Request Headers
Content-Type: application/text
Request Payload
{
    "clusternode":
    {
        "nodeid".1,
        "ipaddress"."10.102.29.60",
        "state"."ACTIVE",
        "backplane"."1/1/2"
    }
}
```

D.
```
HTTP Method PUT
URL: http://<netscaler-ip-address>/nitro/v1/config/clustermode
Request Headers
Cookie NITRO_AUTH_TOKEN=<tokenvalue>
Content-Type: application/json
Request Payload
{
    "clusternode":
    {
        "nodeid".1,
        "ipaddress"."10.102.29.60",
        "state"."ACTIVE",
        "backplane"."1/1/2"
    }
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

Reference: https://developer-docs.citrix.com/projects/netscaler-nitro-api/en/12.0/usecases/

QUESTION 5

Scenario: The following NetScaler environment requirements were discussed during a design meeting between a Citrix Architect and the Workspacelab team:

1.

All traffic should be secured, and any traffic coming into HTTP should be redirected to HTTPS.

2.

Single Sign-on should be created for Microsoft Outlook web access (OWA).

3.

NetScaler should recognize Uniform Resource Identifier (URI) and close the session to NetScaler when users hit the Logoff button in Microsoft Outlook web access.

4.

Users should be able to authenticate using user principal name (UPN).

5.

The Layer 7 monitor should be configured to monitor the Microsoft Outlook web access servers and the

monitor probes must be sent on SSL.

Which method can the architect use to redirect the user accessing https://mail.citrix.com to https:// mail.citrix.com?

A. add responder action act redirect "https://mail.citrix.com" -responseStatusCode 302 add responder policy pol HTTP.REQ.IS_VALID act

B. add lb server test SSL 10.107.149.243.80 -persistenceType NONE -cltTimeout 180 -redirectFromPort 80 -httpsRedirectUrl https://mail.citrix.com

C. add lb server test SSL 10.107.149.243.443 -persistenceType NONE -cltTimeout 180 -redirectFromPort 80 -httpsRedirectUrl https://mail.citrix.com

D. add responder action act redirect "\https://\ + HTTP REQ.HOSTNAME.HTTP_URL_SAFE + HTTP.REQ.URL_PATH_AND_QUERY.HTTP_URL_SAFE\n\n" -responseStatusCode 302 add responder policy pol HTTP.REQ.IS_VALID act

Correct Answer: C

QUESTION 6

Which encoding type can a Citrix Architect use to encode the StyleBook content, when importing the StyleBook configuration under source attribute?

A. Hex

B. base64

C. URL

D. Unicode

Correct Answer: B

Reference: https://docs.citrix.com/en-us/netscaler-mas/12/stylebooks/how-to-use-api-to-createconfiguration-from-stylebooks/import-custom-stylebooks.html

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QUESTION 7

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. The Cisco ASA 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 MPX 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 protection against well-known Windows exploits, virus-infected personal computers, centrally managed automated botnets, compromised webservers, known spammers/hackers, and phishing proxies.

5.

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

6.

 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 security feature should the architect configure to meet these requirements?

A. Global Server Load balancing with Dynamic RTT

B. Global Server Load Balancing with DNS views

C. Geolocation-based blocking using Application Firewall

D. geolocation-based blocking using Responder policies

Correct Answer: A

QUESTION 8

A Citrix Architect has deployed NetScaler Management and Analytics System (NMAS) to monitor a high availability pair of NetScaler VPX devices.

The architect needs to deploy automated configuration backup to meet the following requirements:

1.

The configuration backup file must be protected using a password.

2.

The configuration backup must be performed each day at 8:00 AM GMT.

3.

The configuration backup must also be performed if any changes are made in the ns.conf file.

4.

Once the transfer is successful, auto-delete the configuration file from the NMAS.

Which SNMP trap will trigger the configuration file backup?

A. netScalerConfigSave

B. sysTotSaveConfigs

C. netScalerConfigChange

D. sysconfigSave

Correct Answer: A

Reference: https://docs.citrix.com/en-us/netscaler-mas/12/instance-management/how-to-backup-andrestore-using-mas.html#configuring-instance-backup-settings

QUESTION 9

Scenario: A Citrix Architect needs to design a new NetScaler Gateway deployment for a customer. During the design discussions, the architect learns that the customer would like to allow external RDP connections to internal Windows machines but does NOT want client drive redirection enabled on these connections.

Where should the architect enable the options to allow the customer to complete their requirement?

A. NetScaler Gateway global settings

B. RDP bookmark

C. Session policy

D. RDP server profile

E. Session profile

F. RDP client profile

Correct Answer: D

QUESTION 10

Scenario: A Citrix Architect needs to assess a NetScaler Gateway deployment that was recently completed by a customer and is currently in pre-production testing. The NetScaler Gateway needs to use ICA proxy to provide access to a XenApp and XenDesktop environment. During the assessment, the customer informs the architect that users are NOT able to launch published resources using the Gateway virtual server.

Click the Exhibit button to view the troubleshooting details collected by the customer.

Issue Details

- External users trying to launch a Shared Hosted Desktop via a NetScaler gateway connection receive an ICA file from StoreFront.
- However, they are unable to launch the Shared Hosted Desktop.
- The following ports are open on the firewall between the NetScaler gateway and the internal network where the Virtual Delivery Agent machines are located:
    Bidirectional: TCP 80, TCP 443, TCP 2598, TCP 1494
- Users located on the internal network who connect directly to the StoreFront server are able to launch the Shared Hosted Desktop.

What is the cause of this issue?

A. The required ports have NOT been opened on the firewall between the NetScaler gateway and the Virtual Delivery Agent (VDA) machines.

B. The StoreFront URL configured in the NetScaler gateway session profile is incorrect.

C. The Citrix License Server is NOT reachable.

D. The Secure Ticket Authority (STA) servers are load balanced on the NetScaler.

Correct Answer: D

QUESTION 11

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

Correct Answer: BCDF

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

QUESTION 12

Which parameter must a Citrix Architect configure to ensure that HDX Proxy Connection terminates upon AAA Session TimeOut?

A. ICA session timeout in VPN parameters

B. Session timeout(mins) in NetScaler gateway Session Profile.

C. Session timeout(mins) in VPN Parameters

D. ICA session timeout in netScaler Gateway Session Profile.

Correct Answer: D

Reference: https://www.citrix.com/content/dam/citrix/en_us/citrix-developer/documents/Netscaler/how-do-iica-session-timeout-with-aaa.pdf

QUESTION 13

A Citrix Architect needs to configure advanced features of NetScaler by using StyleBooks as a resource in the Heat service.

What is the correct sequence of tasks to be completed for configuring NetScaler using the Heat stack?

A. 1. Install NetScaler Bundle for OpenStack

2.

 Deploy the Heat stack

3.

 Register OpenStack with NMAS

4.

Add NetScaler instances (Optional)

5.

Prepare the HOT by using the NetScaler heat resources and NetScaler Network Resource

6.

Create service packages (Add OpenStack tenants)

B. 1. Install NetScaler Bundle for OpenStack

2.

Register OpenStack with NMAS

3.

Add NetScaler instances (Optional)

4.

Create service packages (Add OpenStack tenants)

5.

Prepare the HOT by using the NetScaler heat resources and NetScaler Network Resource

6.

Deploy the Heat stack

C. 1. Install NetScaler Bundle for OpenStack

2.

Add NetScaler instances (Optional)

3.

Create service packages (Add OpenStack tenants)

4.

Prepare the HOT by using the NetScaler heat resources and NetScaler Network Resource

5.

Register OpenStack with NMAS

6.

Deploy the Heat stack

D. 1. Install NetScaler Bundle for OpenStack

2.

Prepare the HOT by using the NetScaler heat resources and NetScaler Network Resource

3.

Register OpenStack with NMAS

4.

Deploy the Heat stack

5.

Add NetScaler instances (Optional)

6.

Create service packages (Add OpenStack tenants)

Correct Answer: D

Reference: https://docs.citrix.com/en-us/netscaler-mas/12/integrating-netscaler-mas-with-openstackplatform/integrating_netscaler_mas_with_openstack_heat_services.html

QUESTION 14

For which three reasons should a Citrix Architect perform a capabilities assessment when designing and deploying a new NetScaler in an existing environment? (Choose three.)

A. Understand the skill set of the company.

B. Assess and identify potential risks for the design and build phase.

C. Establish and prioritize the key drivers behind a project.

D. Determine operating systems and application usage.

E. Identify other planned projects and initiatives that must be integrated with the design and build phase.

Correct Answer: BDE

QUESTION 15

Scenario: A Citrix Architect has deployed Authentication for the SharePoint server through NetScaler. In order to ensure that users are able to edit or upload documents, the architect has configured persistent cookies on the NetScaler profile.

Which action should the architect take to ensure that cookies are shared between the browser and non-browser applications?

A. The time zone should be the same on the NetScaler, client, and SharePoint server.

B. The SharePoint load-balancing VIP FQDN and the AAA VIP FQDN should be in the trusted site of the client browser.

C. The Secure flag must be enabled on the cookie.

D. The cookie type should be HttpOnly.

Correct Answer: B

Reference: https://support.citrix.com/article/CTX209054

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