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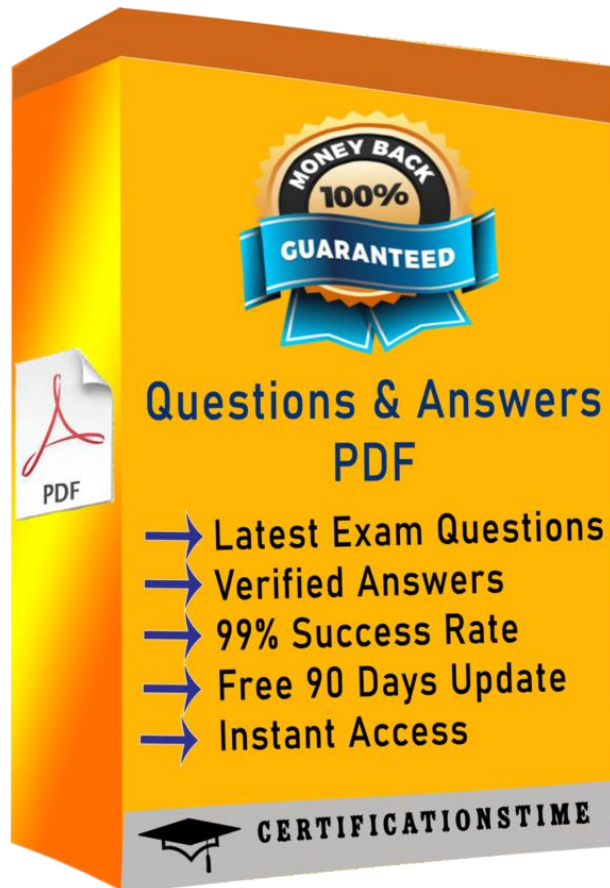
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**Citrix  
1Y0-440**

**Architecting a Citrix Networking Solution**

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**Question: 1**

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: The configuration backup file must be protected using a password.

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

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

Answer: A

**Question: 2**

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: 3**

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.

The requirements captured during the design discussion held for a NetScaler design project are as follows:

Two (2) pairs of NetScaler MPX appliances deployed in the DMZ and internal network.

High Availability will be accessible for each NetScaler MPX

The external NetScaler MPX appliance will be deployed in multi-arm mode.

The internal NetScaler MPX will be deployed in single-arm mode wherein it will be connected to Cisco ACI Fabric.

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

How many NetScaler MPX appliances should the architect deploy at each site to meet the design requirements above?

- A. 4
- B. 12
- C. 6
- D. 2

Answer: C

**Question: 4**



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Scenario: A Citrix Architect and a team of Workspacelab members met to discuss a NetScaler design project. They captured the following requirements from this design discussion:

A pair of NetScaler MPX appliances will be deployed in the DMZ network. High Availability will be accessible in the NetScaler MPX in the DMZ Network.

Load balancing should be performed for the internal network services like Microsoft Exchange Client Access Services and Microsoft App-V.

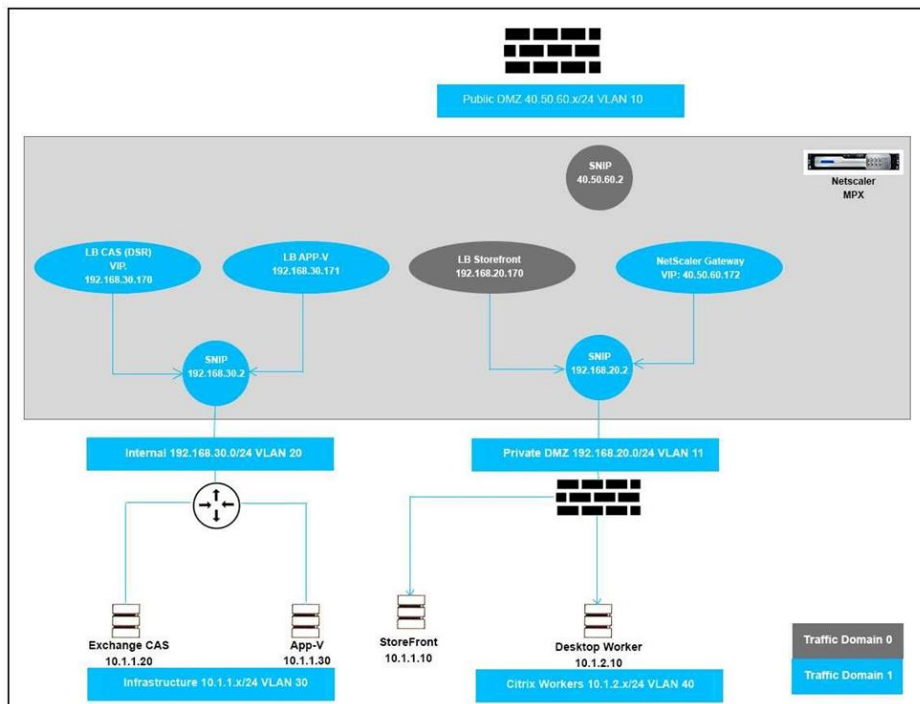
The load balancing should be performed for StoreFront.

The NetScaler Gateway virtual server will be utilizing the StoreFront load-balancing virtual server. The NetScaler Gateway virtual server and StoreFront.

The NetScaler Gateway virtual service and StoreFront and load-balancing services are publicly accessible.

The traffic for internal and external services must be isolated. Click the Exhibit button to review the logical network diagram.

Which two design decisions are incorrect based on these requirements? (Choose two.)



- A. LB StoreFront bound to traffic Domain 0
- B. NetScaler Gateway VIP bound to Traffic Domain 1
- C. LB APP-V bound to Traffic Domain 1
- D. SNIP 192.168.20.2 bound to Traffic Domain 1

Answer: A,B

### Question: 5

Scenario: A Citrix Architect needs to plan for a customer environment in which more than 10,000 users will need access. The networking infrastructure needs to be able to handle the expected usage. Which business driver should be prioritized based on the customer's requirement?

- A. Increase flexibility
- B. Enable mobile work styles



- C. Simplify management
- D. Increase Scalability
- E. Reduce Costs
- F. Increase Security

Answer: D

**Question: 6**

Scenario: A Citrix Architect needs to deploy SAML integration between NetScaler (Identity Provider) and ShareFile (Service Provider). The design requirements for SAML setup are as follows:

NetScaler must be deployed as the Identity Provider (IDP).

ShareFile server must be deployed as the SAML Service Provider (SP).

The users in domain workspacelab.com must be able to perform Single Sign-on to ShareFile after authenticating at the NetScaler.

The User ID must be UserPrincipalName.

The User ID and Password must be evaluated by NetScaler against the Active Directory servers SFO- ADS-001 and SFO-ADS-002.

After successful authentication, NetScaler creates a SAML Assertion and passes it back to ShareFile. Single Sign-on must be performed.

SHA 1 algorithm must be utilized.

The verification environment details are as follows:

Domain Name: workspacelab.com

NetScaler AAA virtual server URL <https://auth.workspacelab.com> ShareFile URL <https://sharefile.workspacelab.com>



Which SAML IDP action will meet the design requirements?

A. add authentication samlIdPProfile SAMI-IDP –samISPCertName Cert\_1 –  
samlIdPCertName Cert\_2

–assertionConsumerServiceURL “https://auth.workspacelab.com/samlIssueName  
auth.workspacelab.com -signatureAlg RSA-SHA256-digestMethod SHA256-  
encryptAssertion ON - serviceProviderUD sharefile.workspacelad.com

B. add authentication samlIdPProfile SAMI-IDP –samISPCertName Cert\_1 –  
samlIdPCertName Cert\_2

–assertionConsumerServiceURL https://sharefile.workspacelab.com/saml/acs” –  
samlIssuerName sharefile.workspacelab.com –signatureAlg RSA-SHA256 –  
digestMethod SHA256 –serviceProviderID sharefile.workspacelab.com

C. add authentication samlIdPProfile SAMI-IDP –samISPCertName Cert\_1 –  
samlIdPCertName Cert\_2

–assertionConsumerServiceURL https://sharefile.workspacelab.com/saml/acs” –  
samlIssuerName auth.workspacelab.com –signatureAlg RSA-SHA1-digestMethod  
SHA1 –encryptAssertion ON – serviceProviderID sharefile.workspacelab.com

D. add authentication samlIdPProfile SAMI-IDP –samISPCertName Cert\_1 –  
samlIdPCertName Cert\_2

–assertionConsumerServiceURL https://sharefile.workspacelab.com/saml/acs” –  
samlIssuerName sharefile.workspacelab.com –signatureAlg RSA-SHA1 –  
digestMethod SHA1 –encryptAssertion ON – serviceProviderID  
sharefile.workspacelab.com

Answer: C

### Question: 7

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.

The requirements captured during the design discussion held for a NetScaler design project are as follows:

1. Two (2) pairs of NetScaler MPX appliances deployed in the DMZ and internal network.
2. High Availability will be accessible for each NetScaler MPX
3. The external NetScaler MPX appliance will be deployed in multi-arm mode.
4. The internal NetScaler MPX will be deployed in single-arm mode wherein it will be connected to Cisco ACI Fabric.
5. All three (3) Workspacelab sites: Dc, NDR and DR, will have similar NetScaler configurations and design.

How many NetScaler MPX appliances should the architect deploy at each site to meet the design requirements above?

- A. 4
- B. 12
- C. 6
- D. 2

Correct Answer: C

**Question: 8**

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

Correct Answer: ADE

**Question: 9**

Which markup language can a Citrix use along with NITRO API to create a StyleBook?

- A. GML
- B. XML
- C. HTML
- D. YAML

Correct Answer: D

Reference: <https://docs.citrix.com/en-us/netscaler-mas/12/stylebooks/how-to-create-your-own-stylebooks.html>

**Question: 10**

What can help a Citrix Architect prepare to discuss time scales and resource requirements?

- A. Creating a high-level project plan.



- B. Meeting with each member of the project team to assign tasks.
- C. Designing the new environment.
- D. Setting expectations with the project's key stakeholders.
- E. Identifying challenges associated with the project.

Correct Answer: A

Reference: <https://www.citrix.com/blogs/2012/03/30/desktop-transformation-high-level-project-plan/>

### Question: 11

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>

### Question: 12



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.

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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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