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**Vendor:**Citrix

**Exam Code:**1Y0-440

**Exam Name:**Architecting a Citrix Networking Solution

**Version:**Demo

## QUESTION 1

Scenario: A Citrix Architect needs to design a new multi-datacenter NetScaler deployment. The customer wants NetScaler to provide access to various backend resources by using Global Server Load Balancing

(GSLB) in an Active-Active deployment.

Click the Exhibit button to view additional requirements identified by the architect.

| GSLB Requirements  |
|--|
| <ul style="list-style-type: none"><li>• Users should be directed to the nearest available datacenter when they initiate a connection to a backend resource.</li><li>• The nearest datacenter should be determined by the least Time to First Byte (TTFB) among all the available services, as evidenced by response code 200.</li><li>• Services with fewer active connections should also be prioritized.</li></ul> |

Which GSLB algorithm or method should the architect use for the deployment, based on the stated requirements?

- A. Dynamic round trip time (RTT)
- B. Least response time
- C. Static proximity
- D. least connection
- E. Least packets
- F. Source IP hash

Correct Answer: B

Reference: <https://docs.citrix.com/en-us/netscaler/12/global-server-load-balancing/methods/configuringalgorithm-based-methods.html>

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## QUESTION 2

Which step does a Citrix Architect need to ensure during the Define phase when following the Citrix Methodology?

- A. Testing steps were integrated.
- B. The project manager agrees with road map timelines.
- C. A phased roll out was completed.
- D. Existing networking infrastructure is ready.
- E. The redundancy deployment decision was made.

Correct Answer: E

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

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### QUESTION 3

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   |                        |                   |                        |
|--|------------------------|-------------------|------------------------|
| <ul style="list-style-type: none"><li>• Users should use the NetScaler Gateway plugin to authenticate and connect to internal resources, including intranet web pages and StoreFront.</li><li>• After authenticating users should be directed to the organization's intranet portal.</li><li>• Once connected, outbound traffic from the client device should only pass through the NetScaler Gateway if it is directed toward an intranet resource.</li></ul> |                        |                   |                        |
| Configurations   |                        |                   |                        |
| Name   | Type                   | Setting           | Configuration          |
| Item 1   | Network Configuration  | Home Page         | home.workspacelabs.net |
| Item 2   | Client Experience      | Split Tunnel      | ON                     |
| Item 3   | Client Experience      | Clientless Access | ON                     |
| Item 4   | Client Experience      | Client Choices    | Not enabled            |
| Item 5   | Published Applications | ICA Proxy         | OFF                    |

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

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

Correct Answer: E

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### QUESTION 4

Scenario: The Workspacelab team has configured their NetScaler Management and Analytics (NMAAS) environment. A

Citrix Architect needs to log on to the NMAS to check the settings.

Which two authentication methods are supported to meet this requirement? (Choose two.)

- A. Certificate
- B. RADIUS
- C. TACACS
- D. Director
- E. SAML
- F. AAA

Correct Answer: BC

Reference: <https://docs.citrix.com/en-us/netscaler-mas/12/authentication-and-rbac/configuring.html>

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#### **QUESTION 5**

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/>

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#### **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:

1.

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

2.

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

3.

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

4.

The User ID must be UserPrincipalName.

5.

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

6.

After successful authentication, NetScaler creates a SAML Assertion and passes it back to ShareFile.

7.

Single Sign-on must be performed.

8.

SHA 1 algorithm must be utilized.

The verification environment details are as follows:

1.

Domain Name: workspacelab.com

2.

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

3.

ShareFile URL <https://sharefile.workspacelab.com>

Which SAML IDP action will meet the design requirements?

A. add authentication samIIdPProfile SAMI-IDP -samISPCertName Cert\_1 -samIIdPCertName Cert\_2 assertionConsimerServiceURL "https://auth.workspacelab.com/saml/acs" -samlIssuerName auth.workspacelab.com -signatureAlg RSA-SHA256-digestMethod SHA256-encryptAssertion ON serviceProviderUD sharefile.workspacelad.com

B. add authentication samIIdPProfile SAMI-IDP -samISPCertName Cert\_1 -samIIdPCertName Cert\_2 assertionConsimerServiceURL https://sharefile.workspacelab.com/saml/acs" -samlIssuerName sharefile.workspacelab.com -signatureAlg RSA-SHA256 -digestMethod SHA256 -serviceProviderID sharefile.workspacelab.com

C. add authentication samIIdPProfile SAMI-IDP -samISPCertName Cert\_1 -samIIdPCertName Cert\_2 assertionConsimerServiceURL https://sharefile.workspacelab.com/saml/acs" -samlIssuerName auth.workspacelab.com -signatureAlg RSA-SHA1-digestMethod SHA1 -encryptAssertion ON serviceProviderID sharefile.workspacelab.com

D. add authentication samIIdPProfile SAMI-IDP -samISPCertName Cert\_1 -samIIdPCertName Cert\_2 assertionConsimerServiceURL https://sharefile.workspacelab.com/saml/acs" -samlIssuerName sharefile.workspacelab.com -signatureAlg RSA-SHA1 -digestMethod SHA1 -encryptAssertion ON serviceProviderID sharefile.workspacelab.com

Correct Answer: C

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#### QUESTION 7

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

Correct Answer: C

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#### QUESTION 8

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

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#### QUESTION 9

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. SRCIPSRCPORHash

Correct Answer: BCDF

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

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#### QUESTION 10

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

Correct Answer: D

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#### QUESTION 11

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   |
|---|
| <ul style="list-style-type: none"><li>External users trying to launch a Shared Hosted Desktop via a NetScaler gateway connection receive an ICA file from StoreFront.</li><li>However, they are unable to launch the Shared Hosted Desktop.</li><li>The following ports are open on the firewall between the NetScaler gateway and the internal network where the Virtual Delivery Agent machines are located:<br/>Bidirectional: TCP 80, TCP 443, TCP 2598, TCP 1494</li><li>Users located on the internal network who connect directly to the StoreFront server are able to launch the Shared Hosted Desktop.</li></ul> |

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

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## **QUESTION 12**

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

Correct Answer: DE