



1Y0-440^{Q&As}

Architecting a Citrix Networking Solution

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QUESTION 1

Scenario: A Citrix Architect holds a design discussion with a team of Workspacelab members, and they capture the following requirements for the NetScaler design project.

1.
A pair of NetScaler MPX appliances will be deployed in the DMZ network and another pair in the internal network.

2.
High availability will be accessible between the pair of NetScaler MPX appliances in the DMZ network.

3.
Multi-factor authentication must be configured for the NetScaler Gateway virtual server.

4.
The NetScaler Gateway virtual server is integrated with the StoreFront server.

5.
Load balancing must be deployed for users from the workspacelab.com domain.

6.
The workspacelab users should be authenticated using Cert Policy and LDAP.

7.
All the client certificates must be SHA 256-signed, 2048 bits, and have UserPrincipalName as the subject.

8.
Single Sign-on must be performed between StoreFront and NetScaler Gateway.

After deployment, the architect observes that LDAP authentication is failing.

Click the Exhibit button to review the output of aaad debug and the configuration of the authentication policy.

Exhibit 1



```
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/ldap_common.
c[398]: ns_ldap_check_result 0-399: checking LDAP result. Expecting
101 (LDAP_RES_SEARCH_RESULT)
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/ldap_common.
c[436]: ns_ldap_check_result 0-399: ldap_result found expected result
LDAP_RES_SEARCH_RESULT
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/ldap_drv.
c[357]: receive_ldap_user_search_event 0-399: received LDAP_OK
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/naaad.c[4196]:
unregister_timer 0-399: releasing timer 175
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/ldap_drv.c[387]:
receive_ldap_user_search_event 0-399: Binding user... 0 entries
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/ldap_drv.c[388]:
receive_ldap_user_search_event 0-399: Admin authentication (Bind)
succeeded, now attempting to search the user hrl@workspacelab.com
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/ldap_drv.c[393]:
receive_ldap_user_search_event 0-399: ldap_first_entry returned null,
user hrl@workspacelab.com not found
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/naaad.c[3322]:
send_reject_with_code 0-399: Not trying cascade again
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/naaad.c[3324]:
send_reject_with_code 0-399: sending reject to kernel for :
hrl@workspacelab.com
Sun Feb 25 11:41:30 2018
/home/ build/rs_120_53_3_RTM/usr.src/netscaler/aaad/naaad.c[3327]:
send_reject_with_code 0-399: Rejecting with error code 4009
```

Exhibit 2



```
add authentication ldapAction ldap-sam -serverName 192.168.10.11 -
serverPort 636 -ldapBase "DC=workspacelab, DC=com" -ldapBindDN
administrator@workspacelab.com -ldapBindDnPassword
54e394e320d69a5b3418746e4dc9e83ebf0a1c7ffd869abd3e040b42d38e4b2e -
encrypted -encryptmethod ENCMTHD_3 -ldapLoginName sAMAccountName -
groupAttrName memberOf -subAttributeName cn -secType SSL -
ssoNameAttribute cn
add authentication ldapPolicy ldap-samaccount ns_true ldap-sam
add authentication certAction cert-upn -twoFactor ON -userNameField
Subject:CN
add authentication certPolicy cert ns_true cert-upn
```

What is causing this issue?

- A. UserNamefield is set as subjection
- B. Password used is incorrect
- C. User does NOT exist in database
- D. ldapLoginName is set as sAMAccountName

Correct Answer: A

QUESTION 2

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

Correct Answer: F

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

QUESTION 3



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. SRCIPSRCPORTRHash

Correct Answer: BCDF

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

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: The Workspacelab team has configured their NetScaler Management and Analytics (NMA) environment. A Citrix Architect needs to log on to the NMA 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>

QUESTION 6

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

QUESTION 7

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">• Users should use the NetScaler Gateway plugin to authenticate and connect to internal resources, including intranet web pages and StoreFront.• After authenticating users should be directed to the organization's intranet portal.• Once connected, outbound traffic from the client device should only pass through the NetScaler Gateway if it is directed toward an intranet resource.			
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

QUESTION 8

Scenario: More than 10,000 users will access a customer's environment. The current networking infrastructure is capable of supporting the entire workforce of users. However, the number of support staff is limited, and management needs to ensure that they are capable of supporting the full user base.

Which business driver is prioritized, based on the customer's requirements?

- A. Simplify Management
- B. Increase Scalability
- C. Increase Flexibility
- D. Reduce Costs
- E. Enable Mobile Work Styles



F. Increase Security

Correct Answer: A

QUESTION 9

Scenario: A Citrix Architect has sent the following request to the NetScaler: Which response would indicate the successful execution of the NITRO command?

HTTP Method

POST

URL

`http://<netscaler-ip-address>/nitro/v1/config?clusterinstance`

Requests Headers

Cookie:NITRO_AUTH_TOKEN=<tckenvalue>

Content-Type:application

Request Payload

```
{
  "clusterinstance":
  {
    "cid":1,
    "preemption":"ENABLED"
  }
}
```

A. 302

B. 201

C. 202

D. 200

Correct Answer: D

QUESTION 10

Which parameter indicates the number of current users logged on to the NetScaler gateway?

A. ICA connections

B. Total Connected Users

C. Active user session

D. Maximum User session



Correct Answer: C

QUESTION 11

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 12

Scenario: A Citrix Architect needs to design a new NetScaler Gateway deployment to provide secure RDP access to backend Windows machines.

Click the Exhibit button to view additional requirements collected by the architect during the design discussions.

Topic	Requirements
User experience	Once the user authenticates, they should be directed to a custom home page with the available RDP bookmarks. When a bookmark is clicked, an RDP connection to the backend machine will be established.
Additional considerations	Ensure that users can receive the most optimal RDP connection to backend machines located in different locations.

To meet the customer requirements, the architect should deploy the RDP proxy through _____ using a _____ solution. (Choose the correct option to complete the sentence.)

- A. CVPN: single gateway
- B. CVPN, stateless gateway
- C. ICAProxy: single gateway



D. ICAProxy; stateless gateway

Correct Answer: C

QUESTION 13

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

QUESTION 14

Which two NetScaler cookies indicate the validity of the Authentication, Authorization and Accounting (AAA) session for users? (Choose two.)

- A. NSC_WT
- B. NSC_TMAS
- C. NSC_AAAC
- D. NSC_TMAA

Correct Answer: BD

Reference: <https://support.citrix.com/article/CTX202900>

QUESTION 15

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

Organizational details and requirements are as follows:

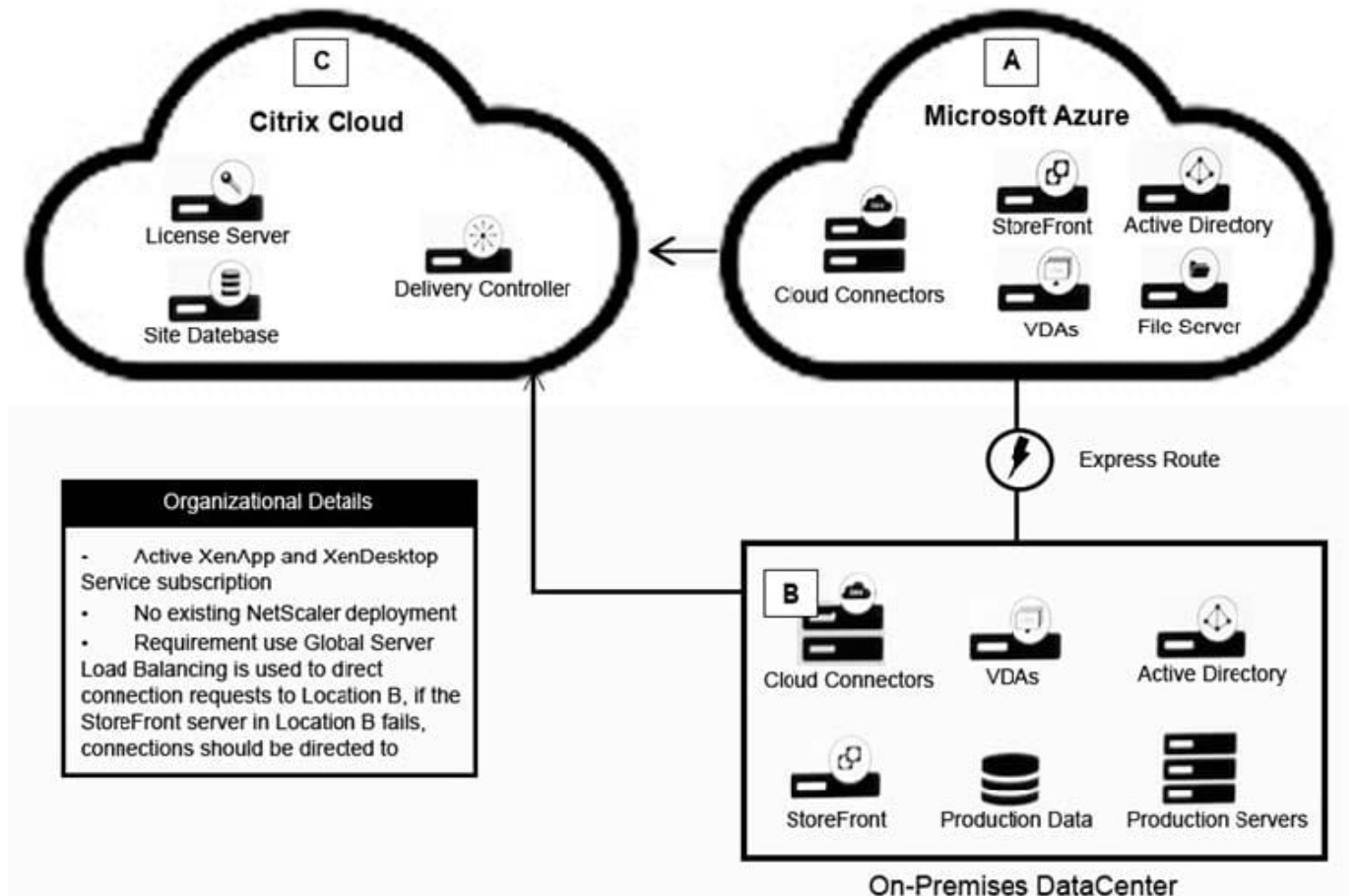
1.
Active XenApp and XenDesktop Service subscription
2.
No existing NetScaler deployment



3.

Global Server Load Balancing is used to direct connection requests to Location B, if the StoreFront server in Location B fails, connections should be directed to Location A.

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 ADC (BYO); NetScaler gateway appliance
- B. NetScaler ADC (BYO); No NetScaler products
- C. NetScaler ADC (BYO); NetScaler ADC (BYO)
- D. NetScaler Gateway appliance; NetScaler Gateway appliance
- E. NetScaler Gateway appliance; NetScaler ADC (BYO)

Correct Answer: B