1Y0-440Q&As

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 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. IdapLoginName is set as sAMAccountName

Correct Answer: A

QUESTION 3

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 4

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

QUESTION 5

Scenario: A Citrix Architect has deployed an authentication setup with a ShareFile load-balancing virtual server. The NetScaler is configured as the Service Provider and Portalguard server is utilized as the SAML Identity Provider. While performing the functional testing, the architect finds that after the users enter their credentials on the logon page provided by Portalguard, they get redirected back to the Netscaler Gateway page at uri /cgi/samlauth/ and receive the following error.

"SAML Assertion verification failed; Please contact your administrator."

The events in the /var/log/ns.log at the time of this issue are as follows:

Feb 23 20:35:21 10.148.138.5 23/02/2018:20:35:21 GMT vorsb1 0-PPE-0 : default AAATM

Message 3225369 0 : "SAML : ParseAssertion:

parsed attribute NameID, value is nameid"

Feb 23 20:35:21 10.148.138.5 23/02/2018:20:35:21 GMT vorsb1 0-PPE-0 : default AAATM

Message 3225370 0 : "SAML verify digest:

algorithms differ, expected SHA1 found SHA256"

Feb 23 20:35:44 10.148.138.5 23/02/2018:20:35:44 GMT vorsb1 0-PPE-0 : default AAATM

Message 3225373 0 : "SAML : ParseAssertion:

parsed attribute NameID, value is named

Feb 23 20:35:44 10.148.138.5 23/02/2018:20:35:44 GMT vorsb1 0-PPE-0 : default AAATM

Message 3225374 0 : "SAML verify digest:

algorithms differ, expected SHA1 found SHA256"

Feb 23 20:37:55 10.148.138.5 23/02/2018:20:37:55 GMT vorsb1 0-PPE-0 : default AAATM

Message 3225378 0 : "SAML : ParseAssertion:

parsed attribute NameID, value is nameid"

Feb 23 20:37:55 10.148.138.5 23/02/2018:20:37:55 GMT vorsb1 0-PPE-0 : default AAATM

Message 3225379 0 : "SAML verify digest:

algorithms differ, expected SHA1 found SHA256"

What should the architect change in the SAML action to resolve this issue?

A. Signature Algorithm to SHA 256

B. The Digest Method to SHA 256

C. The Digest Method to SHA 1

D. Signature Algorithm to SHA 1

Correct Answer: D