Citrix

Exam Questions 1Y0-440

Architecting a Citrix Networking Solution

NEW 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

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

NEW QUESTION 2
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.

Answer: A

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

NEW QUESTION 3
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:
* Active XenApp and XenDesktop Service subscription
* No existing NetScaler deployment
* 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.
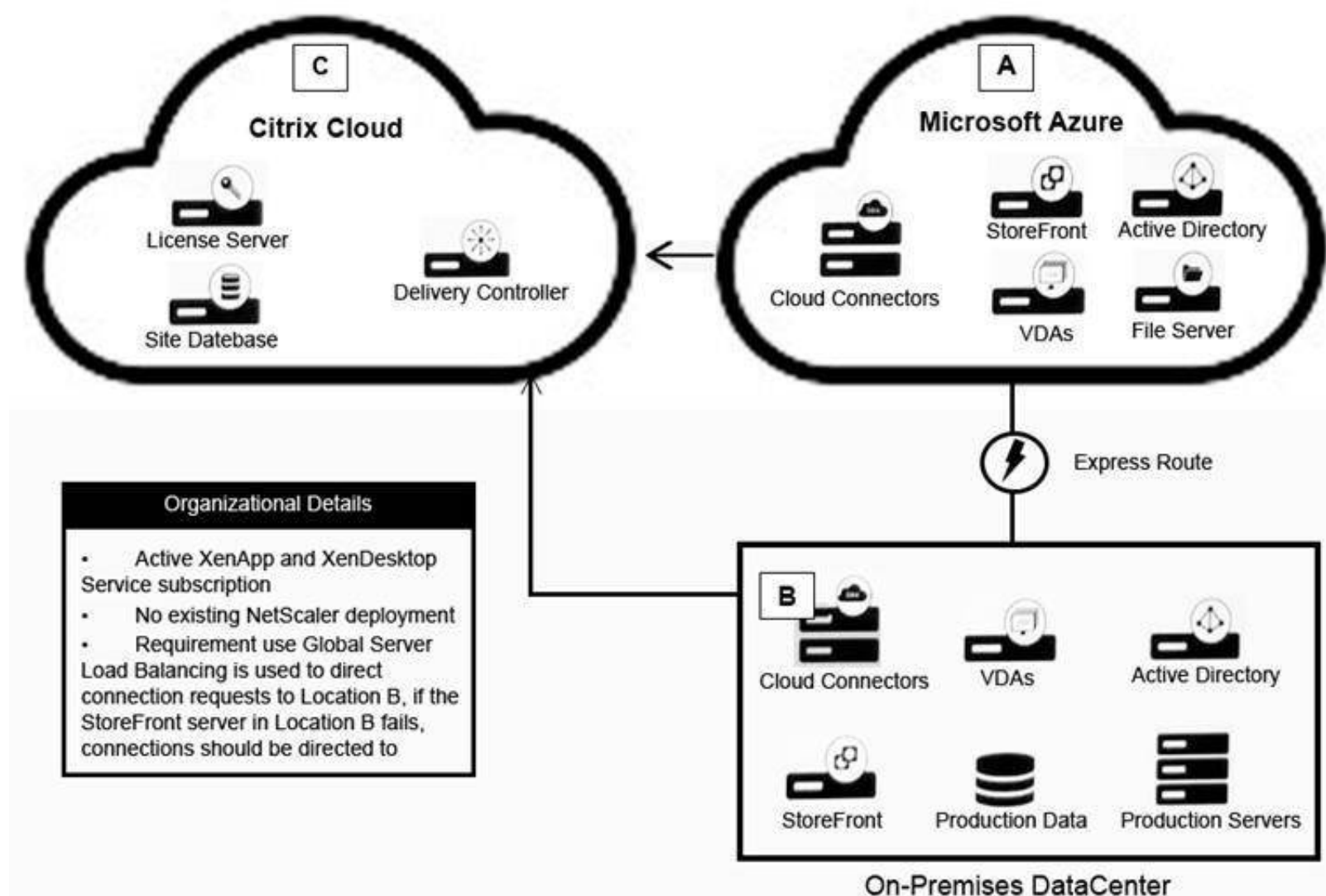
The architect should use _____ in Location A, and should use _____ in Location B. (Choose the correct option to complete the sentence.)

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)

Answer: B

NEW QUESTION 4
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
• 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

Answer: E

NEW QUESTION 5
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. They captured the following requirements during the design discussion held for a NetScaler design project:
* All three (3) Workspacelab sites (DC, NDR, and DR) will have similar NetScaler configurations and design.
* Both external and internal NetScaler MPX appliances will have Global Server Load Balancing (GSLB) configured and deployed in Active/Passive mode.
* GSLB should resolve both A and AAA DNS queries.
* 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.
* When the external NetScaler replies to DNS traffic coming in through Cisco Firepower IPS, the replies should be sent back through the same path.
* On the internal NetScaler, both the front-end VIP and backend SNIP will be part of the same subnet.
* The external NetScaler will act as default gateway for the backend servers.
* 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 the design requirements above?

A. MAC-based Forwarding must be enabled on the External NetScaler Pair.
B. NSIP of the External NetScaler must be configured as the default gateway on the backend servers.
C. The Internal NetScaler must be deployed in Transparent mode.
D. The ADNS service must be configured with an IPv6 address.

Answer: C

NEW QUESTION 6
Scenario: A Citrix Architect needs to assess an existing on-premises NetScaler deployment which includes Advanced Endpoint Analysis scans. During a previous security audit, the team discovered that certain endpoint devices were able to perform unauthorized actions despite NOT meeting pre-established criteria.
The issue was isolated to several endpoint analysis (EPA) scan settings.
Click the Exhibit button to view the endpoint security requirements and configured EPA policy settings.

Requirements
• Endpoints should be scanned to determine whether they are connecting from within the company intranet (192.168.10.0/24) and belong to the company Windows domain (workspacelab.com).
- Endpoints meeting both of these criteria are permitted to continue to the authentication page.
- Endpoints NOT meeting 1 or more of these criteria should NOT be permitted to authenticate.
• All endpoints should also be scanned to confirm that an approved antiVirus client ("Antivirus") is running.
- Endpoints that have an antivirus client running can access intranet resources.
- Endpoints that do NOT have an antivirus client running should be added to quarantine group that can only access the XenApp and XenDesktop environment.

Configurations					
Name	Type	Bind Point	Action	Priority	Associated Policy Expressions
Item 1	Preauthentication setting	Global-NetScaler Gateway	Allow	N/A	ns_true
Item 2	Preauthentication policy	NetScaler Gateway VPN virtual server	N/A	10	REQ.IPSOURCEIP == 192.168.10.0 -netmask 255.255.255.0 && CLIENT.SYSTEM (DOMAIN_SUFFIX_anyof_workspacelab EXISTS
Item 3	Preauthentication profile	Item 2	Allow	N/A	N/A
Item 4	Session policy	NetScaler Gateway VPN virtual server	N/A	20	ns_true
Item 5	Session profile	Item 4	Security: - Default Authorization Action: DENY Security-Advanced Settings: - Client Security Check String: CLIENT.APPLICATION. PROCESS (antivirus.exe) EXISTS - Quarantine Group: quarantine Published Applications: - ICA Proxy: OFF	N/A	N/A
Item 6	Session policy	AAA Group: quarantine	N/A	30	ns_true
Item 7	Session profile	Item 6	Security: - Default Authorization Action: DENY Published Applications: - ICA Proxy: On	N/A	N/A

Which setting is preventing the security requirements of the organization from being met?

A. Item 6
B. Item 7
C. Item 1
D. Item 3
E. Item 5
F. Item 2
G. Item 4

Answer: F

NEW QUESTION 7
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"
    }
}
```

A.
```
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"
    }
}
```

B.
```
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"
    }
}
```

Answer: A

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

NEW QUESTION 8
Which three methods can a Citrix Architect use to assess the capabilities of a network infrastructure? (Choose three.)

A. Review existing monitoring solutions for periods of latency, lost packets, and insufficient bandwidth.
B. Map the location of the users against the existing network topology.
C. Alter firewall rules of existing network to fit into the new NetScaler Deployment.
D. Examine the topology for single points of failure and potential bottlenecks.
E. Ensure that users and computers are in the correct organizational units (OUs).

Answer: ABD

NEW QUESTION 9
Scenario: A Citrix Architect and a team of Workspacelab members have met for a design discussion about the NetScaler Design Project. They captured the following requirements:
* Two pairs of NetScaler MPX appliances will be deployed in the DMZ network and the internal network.
* High availability will be accessible between the pair of NetScaler MPX appliances in the DMZ network.
* Multi-factor authentication must be configured for the NetScaler Gateway virtual server.
* The NetScaler Gateway virtual server is integrated with XenApp/XenDesktop environment.
* Load balancing must be deployed for the users from the workspacelab.com and vendorlab.com domains.
* The logon page must show the workspacelab logo.
* Certificate verification must be performed to identify and extract the username.
* The client certificate must have UserPrincipalName as a subject.
* All the managed workstations for the workspace users must have a client identifications certificate installed on it.
* The workspacelab users connecting from a managed workstation with a client certificate on it should be authenticated using LDAP.
* The workspacelab users connecting from a workstation without a client certificate should be authenticated using LDAP and RADIUS.
* The vendorlab users should be authenticated using Active Directory Federation Service.
* The user credentials must NOT be shared between workspacelab and vendorlab.
* Single Sign-on must be performed between StoreFront and NetScaler Gateway.
* A domain drop down list must be provided if the user connects to the NetScaler Gateway virtual server externally.
* The domain of the user connecting externally must be identified using the domain selected from the domain drop down list.
On performing the deployment, the architect observes that users are always prompted with two-factor authentication when trying to assess externally from an unmanaged workstation. Click the exhibit button to view the configuration.

```
> show authentication vserver aaa_dmz_001
      aaa_dmz_001 (192.168.30.131:443) - SSL Type: CONTENT
      State: UP
      Client Idle Timeout: 180 sec
      Down state flush: DISABLED
      Disable Primary Vserver On Down : DISABLED
      Network profile name: ???
      Appflow logging: ENABLED
      Authentication : ON
      Device Certificate Check: ???
      Device Certificate CA List: ???
      CGInfra Homepage Redirect : ???
      Current AAA Sessions: 0
      Total Connected Users: 0
      Dtls : ???       L2Conn: ???
      RDP Server Profile Name: ???
      Max Login Attempts: 0    Failed Login Timeout 0
      Fully qualified domain name: ???
      PCoIP VServer Profile name: ???
      Listen Policy: NONE
      Listen Priority: 0
      IcmpResponse: ???
      RHIstate: ???
      Traffic Domain: 0


  1)     LoginSchema Policy Name: LDAP_RADIUS      Priority: 100
         GotoPriority Expression: END


  1)     Advanced Authentication Policy Name: cert-upn  Priority: 100
         GotoPriority Expression: NEXT
         NextFactor name: OnlyLDAP
  2)     Advanced Authentication Policy Name: No_AUTH    Priority: 110
         GotoPriority Expression: NEXT
         NextFactor name: ldap-radius
  3)     Advanced Authentication Policy Name: saml-upn   Priority: 120
         GotoPriority Expressions: NEXT

   Done
```

What should the architect do to correct this configuration?

A. Unbind LoginSchema Policy LDAP_RADIUS from the virtual server.
B. Bind the Portal theme as Domaindropdown.
C. Bind the LoginSchema Policy Domaindropdown to priority 90.

D. Bind the Default LoginSchema Policy as Domaindropdown.

Answer: D

NEW QUESTION 10
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

Answer: BCDF

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

NEW QUESTION 11
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

Answer: F

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

NEW QUESTION 12
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.

Answer: B

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

NEW QUESTION 13
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.

Answer: BDE

NEW QUESTION 14
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