

# 1Y0-402<sup>Q&As</sup>

Citrix XenApp and XenDesktop 7.15 Assessment, Design and Advanced Configurations

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### QUESTION 1

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment for a financial services company. During the project kickoff meeting, the organization states the following business priorities:

"Overall, we want a robust solution which ensures that users can access their resources at any time, even if our primary datacenter experiences an outage. Our employees will need to access their resources from both inside and outside our corporate network, but we need to ensure that we enable this in a secure manner and protect our sensitive data."

Which four design decisions align with the organization's stated business drivers? (Choose four.)

- A. Redundancy should be implemented for all infrastructure components.
- B. Server OS Virtual Delivery Agent (VDA) machines should be used to increase user density per machine.
- C. Optimal Gateway Routing should be configured on StoreFront.
- D. NetScaler will be required in the environment.
- E. A multi-Site architecture and disaster recovery plan will be required.
- F. Single image management should be included in the design.
- G. SmartAccess or SmartControl features should be considered for this environment.

Correct Answer: BCDG

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### QUESTION 2

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment. Currently, the environment is configured with two locations with identical XenDesktop Sites. Each Site has two Delivery Controllers, two StoreFront servers, and one NetScaler high availability pair. The same applications have been published from both Sites for all the users. Two Zones (Zone A and Zone B) are configured in each Site with one Controller in each zone. The Microsoft Exchange server is only accessible from Virtual Delivery Agent (VDA) machines in Zone A in each Site.

The following access requirements have been identified:

Users should have a single URL when accessing resources from different Sites.

Users should always connect to the datacenter closest to their location.

Applications added to Favorites within Citrix Receiver should be retained when accessed from different Sites.

Launched applications and desktops should always connect through a local NetScaler.

No duplication of applications published from different Sites.

Microsoft Outlook should always launch in Zone A.

In which mode should the architect recommend configuring Global Server Load Balancing (GSLB) to ensure that a user always connects to the datacenter closest to their location?

- A. Source IP hash
- B. Dynamic RTT
- C. Least response time
- D. Static Proximity

Correct Answer: C

**QUESTION 3**

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment.

The architect has identified the User Layer requirements, as shown in the Exhibit. Click the Exhibit button to view the requirements.

User Group	User Devices	Connection Point	Security Requirements
Accountants	Corporate-owned desktops, laptops	Internal	Should minimize user effort required to authenticate while meeting general security requirements
Executives	BYOD smartphones, tablets	Internal and External	Should minimize user effort required to authenticate while meeting general security requirements
Customers	Public kiosks	Internal	Use kiosks to access a published app hosted by a group of servers in an isolated network segment  Should NOT have knowledge of Workspace Services credentials
Contractors	BYOD desktops, laptops	External	User devices must have up-to-date antivirus software installed before they can access the XenApp and XenDesktop environment.  Should NOT have knowledge of Workspace Services credentials and must supply their own authentication provider.

Additionally, management at the organization has identified the following general Access Layer requirements:

A multi-factor authentication method is required for any connections to the XenApp and XenDesktop environment originating from outside the corporate network.

External connections must be authenticated by a Citrix Gateway virtual server located in a DMZ network.

Internal connection traffic should NOT leave the internal corporate network.

Which Access Layer feature should the architect configure to meet the security requirements of the Contractors group?

- A. Endpoint analysis scan
- B. SmartControl
- C. Citrix Gateway
- D. Citrix ADC Double Hop
- E. SmartAccess

Correct Answer: A

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#### QUESTION 4

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment. Due to licensing and compliance reasons, the customer has requested that users connecting from external locations must NOT be presented with applications from the Microsoft Office suite.

How should the architect ensure that users are only presented with Microsoft Office applications when connecting to the environment from internal locations?

- A. Configure a separate Store for external connections, configure keywords on all Microsoft Office applications, and use Set-DSResourceFilterKeyword to enable filtering.
- B. Configure a separate Store for external connections, configure keywords on all Microsoft Office applications, and use Citrix ADC Content Switching to enable filtering.
- C. Use the existing Store for external connections, configure keywords on all Microsoft Office applications, and use Set-DSResourceFilterKeyword to enable filtering.
- D. Use the existing Store for external connections, configure keywords on all Microsoft Office applications, and use Citrix ADC Content Switching to enable filtering.

Correct Answer: B

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#### QUESTION 5

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment. Provisioning Services has been selected for image management. The Provisioning Services vDisk store requires high fault tolerance and the ability to support dual drive failure.

Which two RAID levels could the architect use for the Provisioning Services vDisk store? (Choose two.)

- A. RAID 5
- B. RAID 0
- C. RAID 1
- D. RAID 6
- E. RAID 10

Correct Answer: DE

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#### QUESTION 6

Scenario: A Citrix Architect designed an environment where policies will be deployed using Workspace Environment Management (WEM). The architect decided to install two WEM Infrastructure Services servers in order to meet the expected load in the environment.

What should the architect do to ensure that both servers can be utilized in the environment?

- A. Configure two virtual (VIPs) on a NetScaler appliance: one for the primary server, and one for the backup server.
- B. Configure a load-balancing virtual IP (VIP) on a NetScaler appliance so that both servers can be actively receiving communications.
- C. Enter both server names in the Agent Host Configuration; the first server listed will be contracted first; the second server will be in a standby capacity until needed.
- D. Enter both server names in the Agent Host Configurations so that both servers will be actively contacted.

Correct Answer: B

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#### QUESTION 7

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment for a bank. After the project kickoff meeting, the following business drivers have been identified and prioritized in the following order:

1.  
Increase security
2.  
Reduce costs
- 3.

Improve the user experience

4.

Simplify management

Later in the design process, the architect documents the design decisions shown in the Exhibit (only some are shown).

Click the Exhibit button to view the design decisions.

Design Topic	Design Decision
Authentication Methods	<ul style="list-style-type: none"><li>• Internal users on managed devices: Smart card authentication</li><li>• External users on BYOD devices: LDAP and RADIUS</li></ul>
Images	<ul style="list-style-type: none"><li>• Windows Server 2012 R2<ul style="list-style-type: none"><li>o Provisioning Method: Provisioning Services</li><li>o FlexCast model: Published apps</li></ul></li><li>• Windows 10<ul style="list-style-type: none"><li>o Provisioning Method: Provisioning Services</li><li>o FlexCast model: Hosted VDI (random, non-persistent)</li></ul></li></ul>
Citrix Policies	<ul style="list-style-type: none"><li>• Policies that will be applied to all Virtual Delivery Agent machines:<ul style="list-style-type: none"><li>o Client drive redirection: Enabled</li><li>o Client fixed drives: Allowed</li><li>o Client printer redirection: Prohibited</li><li>o Client USB device redirection: Prohibited</li><li>o Clipboard redirection: Allowed (text only)</li></ul></li></ul>
Profiles	<ul style="list-style-type: none"><li>• Citrix Profile Management will be used for all Virtual Delivery Agent machines.</li></ul>

During the quality assurance review, the architect observes that one of these design decisions does NOT align with the business driver priorities.

Which design decision should be changed to match the prioritization of the business drivers?

- A. Images
- B. Profiles
- C. Authentication Methods
- D. Citrix Policies

Correct Answer: D

**QUESTION 8**

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment.

The architect has identified printing requirements for certain user groups and locations, as shown in the Exhibit.



Click the Exhibit button to view the requirements.

User Groups	Endpoint	Location	Receiver Type	Printer Types	Driver Installed on VDA	Print Features Needed
Accountants	Corporate-owned	Corp HQ Home	Receiver 4.10	Accountant Network Printer	Yes	Special ERP Print
Executives	Corporate-owned	Corp HQ	Receiver 4.10	All Client Printers	No	Office Print Duplex
Graphic Designers	Mac BYOD	Home	MAC Receiver 4.10	Design Network Printer	No	High-Resolution Print
Customer Service	Corporate-owned	India Branch Office	Receiver 4.10	Main Client Printer	No	Basic A4 Single-Side

Currently, no printer settings or policies have been configured, and as such, the environment is using default settings. Universal Print Server will NOT be used in this design.

Which two settings should the architect configure to allow the Executives group to achieve the desired print behavior and to ensure their print jobs are optimally routed? (Choose two.)

- A. Set Auto-create Client Printers policy to auto-create local printers only
- B. Enable Auto-create PDF Universal Printer policy
- C. Set Direct connections to print servers policy to Enabled
- D. Set Direct connections to print servers policy to Disabled
- E. Configure Session Printers policy
- F. Configure Default Printers policy
- G. Set Auto-create Client Printers policy to auto-create all client printers

Correct Answer: CE

### QUESTION 9

Scenario: A Citrix Architect needs to implement XenApp and XenDesktop. Based on the assessment and early stages of the design, the architect has identified the requirements as shown in the Exhibit.

Click the Exhibit button to view the requirements.

Requirement	Detail
Number of users	50
Environment	Proof of Concept (POC)
Redundancy	NOT required
Administrative Team	One IT administrator
Level of Performance	High
Image Management	Provisioning Services, non-persistent
Additional considerations	Should NOT impact production infrastructure

Which tier of storage should the architect consider implementing, based on the requirements in the Exhibit?

- A. DAS
- B. Local
- C. SAN
- D. NAS

Correct Answer: A

**QUESTION 10**

Scenario: A Citrix Architect needs to design a disaster recovery (DR) XenApp and XenDesktop Site that will be hosted in Citrix Cloud and Microsoft Azure. The DR Site is expected to support 2,000 Desktop OS Virtual Delivery Agent (VDA) machines.

The architect should include \_\_\_\_\_ Cloud Connectors in the Azure resource location, each with a minimum of \_\_\_\_\_ vCPUs and \_\_\_\_\_ GB of RAM to avoid unnecessary over-provisioning of resources and follow Citrix leading practices. (Choose the correct option to complete the sentence.)

- A. 3; 2; 4
- B. 3; 4; 4
- C. 3; 4; 8
- D. 2; 4; 4
- E. 1; 2; 4
- F. 2; 4; 8

Correct Answer: F

**QUESTION 11**



Scenario: A Citrix Architect needs to implement a new XenDesktop environment for an engineering company. The IT team has purchased 1,000 XenDesktop Enterprise licenses. They will deploy Microsoft Office productivity applications to all users. Users access XenApp sessions from company offices using thin client devices and remotely through NetScaler Gateway using personal devices.

The company requires IT to produce a report of all XenApp sessions and connection failures for the previous month.

Which two actions does the architect need to take to support these requirements? (Choose two.)

- A. Implement NetScaler Management and Analytics System (MAS).
- B. Configure GroomFailuresRetentionDays to 31 days.
- C. Configure GroomSessionsRetentionDays to 31 days.
- D. Purchase NetScaler Gateway Universal licenses.
- E. Purchase XenDesktop Platinum licenses.

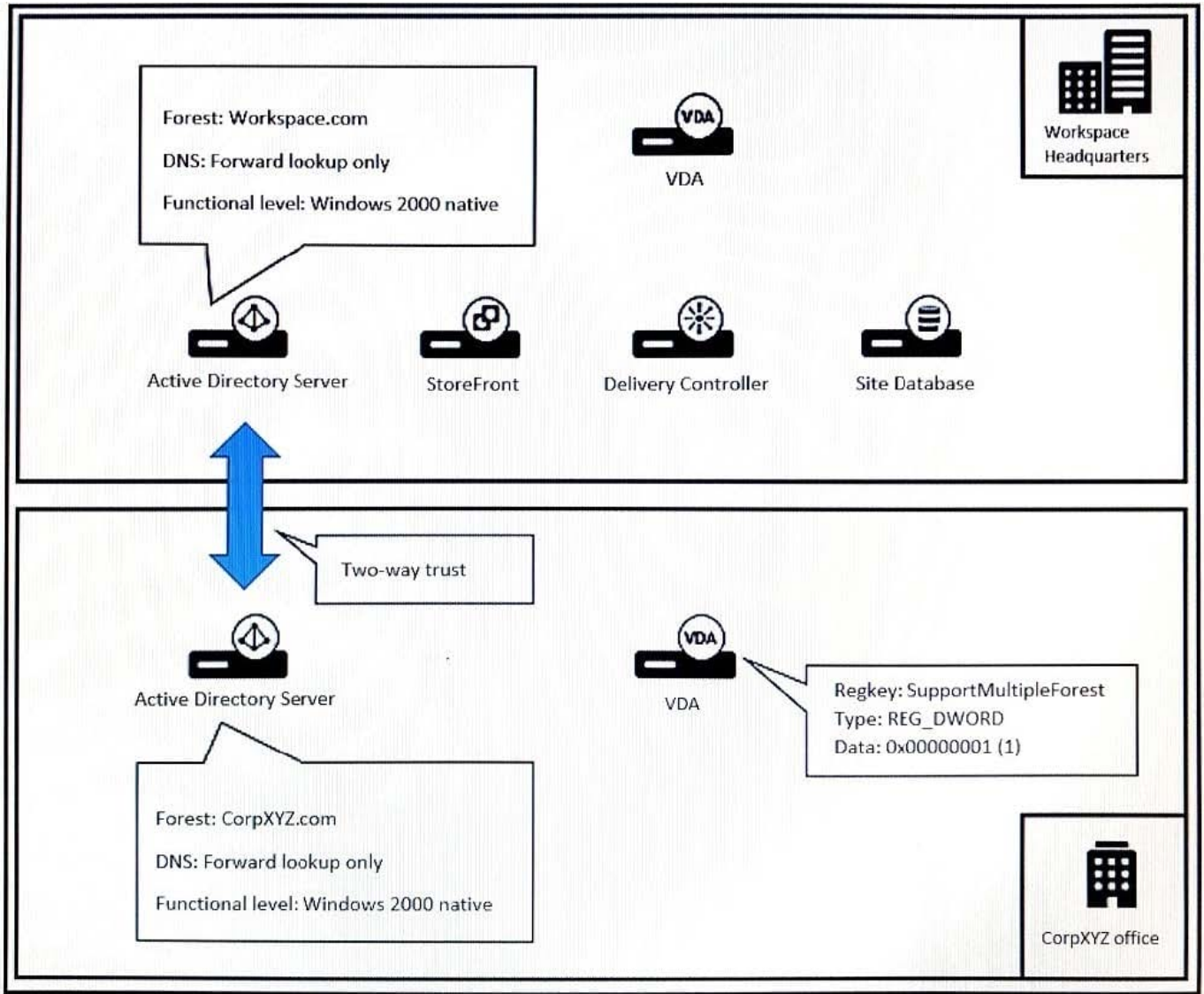
Correct Answer: AB

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## QUESTION 12

Scenario: A Citrix Architect is reviewing a XenApp and XenDesktop design for an environment with multiple Active Directory forests.

Click the Exhibit button to view the design details.



Which risk should the architect highlight to the customer, based on the details listed in the Exhibit?

- A. The SupportMultipleForest registry key is NOT supported.
- B. The Active Directory trust method is NOT supported.
- C. The Active Directory functional level is NOT supported.
- D. The DNS lookup strategy is NOT supported.

Correct Answer: C

### QUESTION 13

Scenario: IT management has decided which server hardware model to use for new XenApp and XenDesktop Sites and needs guidance on sizing the Hardware Layer.

Click the Exhibit button to view the host details.

Host Details	
Host Model	UCS B200 M4
Sockets	2
Cores per Socket	8
RAM	320 GB
Hyper Threading	Enabled
Storage	SAN storage
CPU over-subscription ratio	1.5:1

A Citrix Architect is planning to install XenServer 7.x on this host which will be used to host only XenApp servers.

How many vCPUs should be consumed to deploy XenApp servers with high performance, considering the over-subscription ratio?

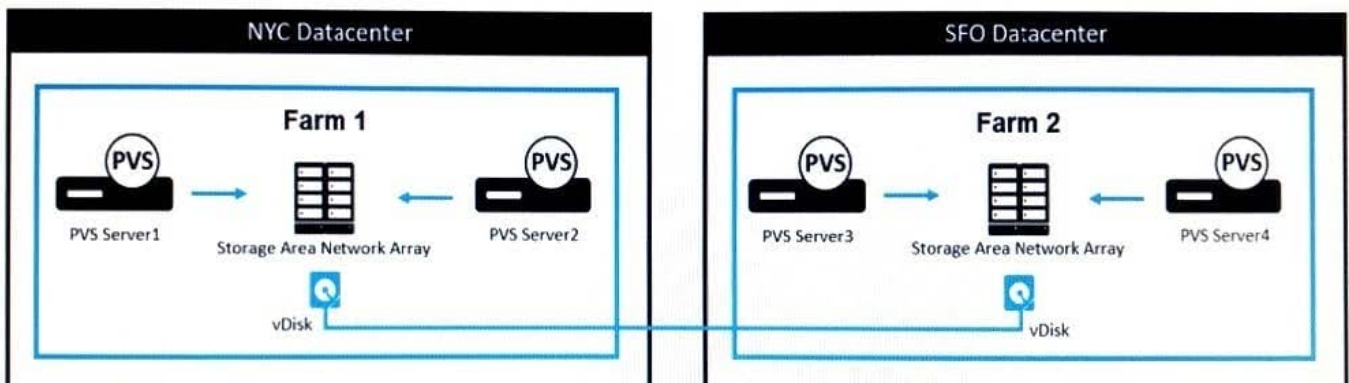
- A. 32
- B. 24
- C. 16
- D. 48

Correct Answer: C

**QUESTION 14**

Scenario: A Citrix Architect needs to design a multi-datacenter XenApp and XenDesktop environment that will use Provisioning Services (PVS) to manage Virtual Delivery Agent (VDA) machine images. Each datacenter will have a separate Provisioning Services farm. During the design discussions, the architect creates a diagram to depict the way vDisk files will be replicated between PVS farms, based on the available storage for the vDisk Stores.

Click the Exhibit button to view the diagram.



Overall, the customer has identified the following objectives for the image replication process:

Minimize the administrative time required to replicate images between farms Must be usable by storage administrators without PVS farm administrative permissions Utilize pre-existing infrastructure and processes where possible

Which method should the architect use to replicate the vDisk files between datacenters?

- A. Scheduled robocopy commands
- B. vDisk Replicator Tool
- C. Microsoft DFS-R
- D. Manual copy
- E. SAN replication

Correct Answer: B

**QUESTION 15**

Scenario: A Citrix Architect needs to design a new XenApp and XenDesktop environment. The customer previously installed all applications locally on managed laptops and desktops but is willing to evaluate other application delivery methods as part of the new deployment. The environment will be standardized on Windows 10 and Windows Server 2016 for the Virtual Delivery Agent (VDA) machines.

As part of an application analysis performed earlier in the project, the information in the Exhibit was collected regarding one of the required applications.

Click the Exhibit button to view the information.

Category	Detail
Application Name	Workspace Lidar Analyzer
Description	The application processes and generates reports using large amounts of imaging data collected from a Lidar scanner attached to the user endpoint.
Usage	The application is used by five technicals in the R&D department.
OS Compatibility	The application is compatible with the target operating systems.
Special Considerations	The technicians must frequently reference the data presented by the application when making log entries on a different application that, for security reasons, is only available to them via a virtual desktop session.  The technicians must occasionally conduct outdoor field experiments with the Lidar scanner and must connect to the environment using a wireless mobile connection.

The customer has an additional objective to minimize the number of network traffic in the environment, particularly on WAN or metered links.

How should the architect install the application?

- A. Directly on endpoint devices and included in a virtual desktop session using the Local App Access feature
- B. Directly on a VDA machine image and accesses through a virtual desktop session
- C. Directly on a Server OS VDA machine and accessed from the endpoint as a published application
- D. Stream it to a VDA machine using Microsoft App-V and accessed through a virtual desktop session
- E. In the Application Layer using Citrix App Layering

Correct Answer: C

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