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**Exam Code: 1Y0-403**

**Exam Name: Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configurations**



## Exam A

### QUESTION 1

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment for a company that will utilize Citrix Provisioning as a solution to deploy Virtual Delivery Agent (VDA) machines. After reviewing the existing infrastructure, the architect determined that VDA machines are all on the same network subnet, and are a mixture of Unified Extensible Firmware Interface (UEFI)-based technology and legacy BIOS-based virtual machines (VMs). Management has specified that the proposed solution should be configurable from a central location without the need to create new catalogs or device collections.

Which three target device boot methods can the architect recommend for this deployment? (Choose three.)

- A. BIOS-embedded
- B. BDM disk partition
- C. DHCP options
- D. BDM ISO
- E. PXE

**Correct Answer: C, D, E**

**Section:**

**Explanation:**

Reference: <https://www.netapp.com/media/7122-nva1140design.pdf>

### QUESTION 2

Scenario: An IT department moved its entire infrastructure to Microsoft Azure. It is utilizing multiple Azure regions for redundancy. It also uses all Azure regions as resource locations within Citrix Virtual Apps and Desktops Service in Citrix Cloud.

Which storage replication option will allow data to be read from both the primary and secondary locations?

- A. Locally redundant storage (LRS)
- B. Read-access geo-redundant storage (RA-GRS)
- C. Zone-redundant storage (ZRS)
- D. Geo-redundant storage (GRS)

**Correct Answer: D**

**Section:**

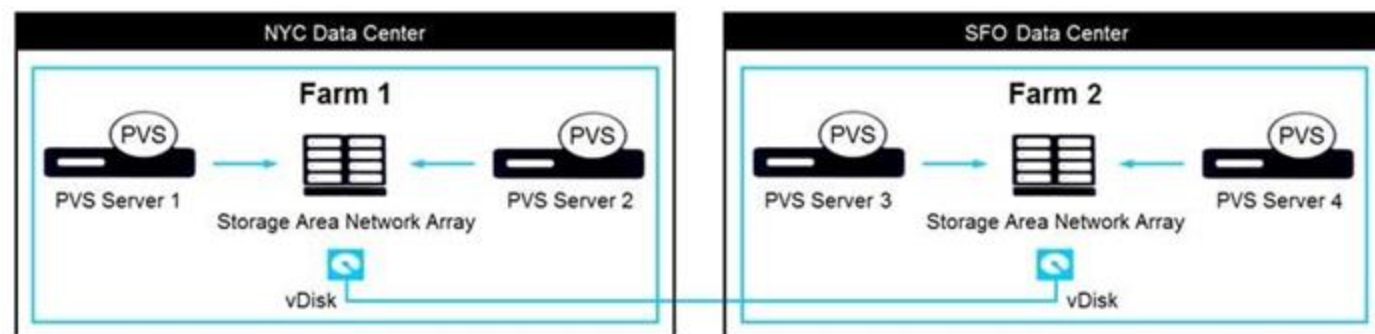
**Explanation:**

Reference: <https://azure.microsoft.com/en-us/updates/crossregion-restore-for-azure-virtual-machines-using-azure-backup/>

### QUESTION 3

Scenario: A Citrix Architect is designing a multi-data center Citrix Virtual Apps and Desktops environment that will use Citrix Provisioning (PVS) to manage Virtual Delivery Agent (VDA) machine images. Each data center will have a separate PVS farm. During design discussions, the architect created a diagram to depict the way in which vDisk files will be replicated among PVS farms, based on the available storage for the vDisk stores.

Click the Exhibit button to view the diagram.



Overall, the customer has identified 3 objectives for the image-replication process:

- Administrative time required to replicate images among farms must be minimized.
- The process must be usable by storage administrators without PVS farm administrative permissions.
- Pre-existing infrastructure and processes should be used where possible.

Which method should the architect use to replicate vDisk files among data centers?

- A. Manual copy
- B. Scheduled RoboCopy commands
- C. SAN replication
- D. vDisk Replicator Utility
- E. Microsoft Distributed File System Replication (DFSR) Namespaces

**Correct Answer: C**

**Section:**



#### QUESTION 4

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The customer is interested in using Machine Creation Services (MCS) with Citrix App Layering. Which consideration would result in the architect recommending that the customer use a different image and application-management approach?

- A. PXE is required for non-Citrix machines in networks that will support the Virtual Delivery Agent (VDA) machines.
- B. The environment must use the Citrix Virtual Apps Enterprise concurrent licensing.
- C. The images must be deployed to physical machines.
- D. The machines must use an existing SAN deployment.
- E. Microsoft Hyper-V hosts must be used to host the Virtual Delivery Agent (VDA) machines.

**Correct Answer: C**

**Section:**

#### QUESTION 5

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment for a marketing company. Several departments within the company utilize 3D applications based on OpenGL and Direct X. These applications run as hosted applications within 5 different virtual machines running on a single Citrix Hypervisor host. The host is configured with 1 single physical GPU running Intel Iris Pro technology. Which HDX 3D Pro method should the architect utilize for these 3D applications?

- A. Software-virtualized GPU
- B. Pass-through GPU
- C. Hardware-virtualized GPU
- D. CUDA-virtualized GPU

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: [https://www.citrix.com/content/dam/citrix/en\\_us/documents/products-solutions/virtualize-3d-professional-graphics-design-guide.pdf](https://www.citrix.com/content/dam/citrix/en_us/documents/products-solutions/virtualize-3d-professional-graphics-design-guide.pdf) (8)

#### QUESTION 6

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. Management has requested dynamic distribution of users between the primary and backup data centers to ensure that all available hardware is utilized during normal operations. What is the biggest risk the architect should highlight to the customer when designing the profile strategy?

- A. Scale-Out File Servers are required to support active-active profile deployments
- B. Using Microsoft Distributed File System Replication (DFS-R) to replicate user profiles requires significant bandwidth
- C. Replicating profiles between the 2 data centers will double storage costs
- D. Roaming profiles are NOT supported in active-active Microsoft Distributed File System Replication (DFS-R) deployments

**Correct Answer: B**

**Section:**

#### QUESTION 7

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. During the project kickoff meeting, the organization stated the following business priorities:

"Overall, we want a robust solution that ensures users' ability to access resources at any time, even if the primary data center experiences an outage. Since employees will need to access resources from both inside and outside the corporate network, we need to ensure that this is enabled in a secure manner to protect sensitive data."

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

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



**Correct Answer: A, C, F, G**

**Section:**

#### QUESTION 8

Scenario: The IT team of a company needs to mitigate the Hardware Layer to Microsoft Azure. The Virtual Delivery Agent (VDA) machines are manually provisioned within Microsoft Azure. The IT team asks a Citrix Architect for a solution for high availability of existing VDA machines in a single Azure data center. The objective is to be proactive about any hardware failure at Microsoft Azure, so that all virtual machines (VMs) will NOT be affected. What should the architect recommend the IT team create in Microsoft Azure?

- A. Resource group
- B. Availability sets with fault domain
- C. Availability sets with update domain
- D. Availability zones

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://docs.microsoft.com/en-us/azure/virtual-machines/manage-availability>

### QUESTION 9

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The design will require three different StoreFront stores and three corresponding Citrix Workspace app for Web sites. Each different store and Citrix Workspace app for Web site will serve different business units. Each of these will also require its own branding and SSL certificate. The solution should remain supported by Citrix. The architect has already installed StoreFront on a server.

How can the architect achieve the desired design while keeping cost and maintenance requirements to a minimum?

- A. Create two extra Internet Information Services (IIS) sites, bind the certificates in IIS Manager, copy the StoreFront configurations to the two new IIS sites, and use a text editor to configure all three StoreFront stores.
- B. Deploy two extra virtual servers, bind the certificates in Internet Information Services (IIS) Manager, and install StoreFront on each new virtual server.
- C. Create two extra Internet Information Services (IIS) sites, bind the certificates in IIS Manager, use PowerShell to deploy additional stores to the two new IIS sites, and use a text editor to configure all three StoreFront stores.
- D. Create two extra Internet Information Services (IIS) sites, bind the certificates in IIS Manager, copy the StoreFront configuration to the two new IIS sites, and use the StoreFront console to configure all three StoreFront stores.

**Correct Answer: B**

**Section:**

### QUESTION 10

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment for a company that maintains branch offices in New York, Chicago, and Miami. Management has described the following requirements for the environment:

The Citrix Virtual Apps and Desktops Site must be located in the company headquarters in Miami.

All users will only need to access their default local print queue from within their HDX sessions.

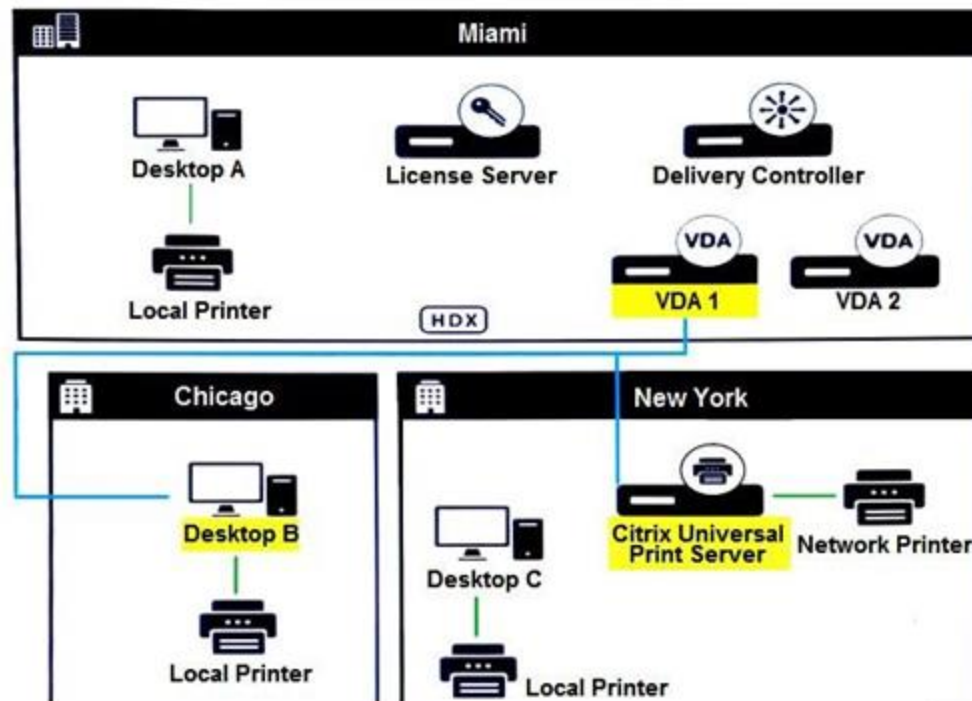
Users in Chicago need access to printers hosted on a Citrix Universal Print Server located in New York. Printing performance and bandwidth usage must be optimized where possible.

The environment must be highly available.

The auto-created client printer models must function with no additional configuration needed.

Click the Exhibit button to review the printing requirements.





What does the architect need to do to meet the printing requirements for the users in Chicago?

- A. Enable the Auto-create client printers policy with 'Auto-create all client printers' setting enabled. Enable the Universal print driver usage policy to 'Use universal printing only'. Apply the policy to all users. Then, install and configure the Citrix Universal Print Server components and configure the Universal Print Server policy to 'Enabled with no fallback to Windows native remote printing'. Last, create a session printer policy, add the network printers that will use the Universal Print Server, and apply the policy to the users in Chicago.
- B. Enable the Auto-create client printers policy with 'Auto-create all client printers' setting enabled. Enable the Universal print driver usage policy to 'Use universal printing only'. Apply the policy to Chicago users. Then, install and configure the Citrix Universal Print Server components and configure the Universal Print Server policy to 'Enabled with fallback to Windows native remote printing'. Last, create a session printer policy, add the

network printers that will use the Universal Print Server, and apply the policy to all users.

- C. Enable the Auto-create client printers policy with 'Auto-create all client's default printer only' setting enabled. Enable the Universal print driver usage policy to 'Use universal printing only if requested driver is unavailable'. Apply the policy to all users. Then, install and configure the Citrix Universal Print Server components and configure the Universal Print Server policy to 'Enabled with fallback to Windows native remote printing'. Last, create a session printer policy, add the network printers that will use the Universal Print Server, and apply the policy to all users.
- D. Enable the Auto-create client printers policy with 'Auto-create all client's default printer only' setting enabled. Enable the Universal print driver usage policy to 'Use universal printing only'. Apply the policy to all users. Then, install and configure the Citrix Universal Print Server components and configure the Universal Print Server policy to 'Enabled with fallback to Windows native remote printing'. Last, create a session printer policy, add the network printers that will use the Universal Print Server, and apply the policy to the users in Chicago.

**Correct Answer: D**

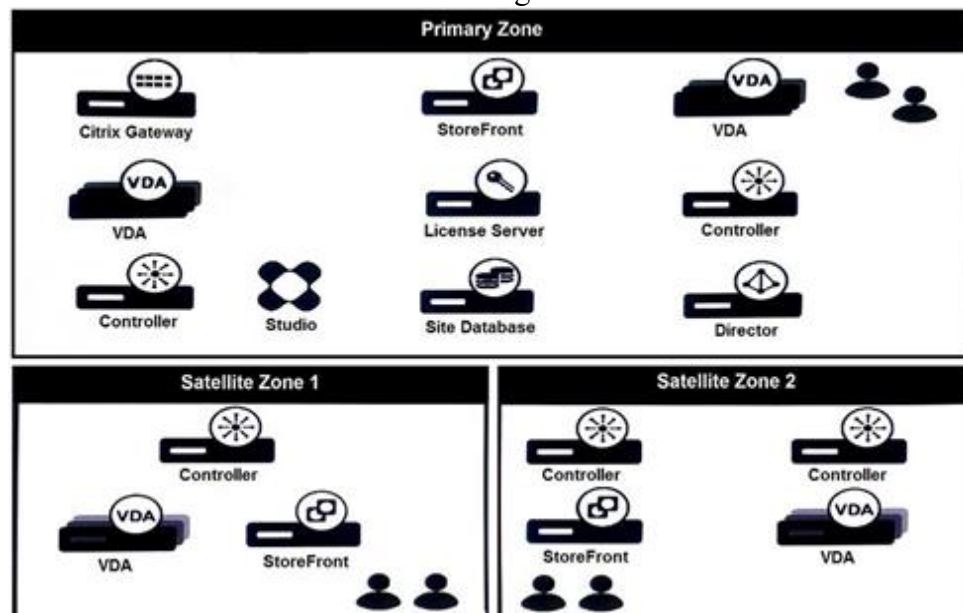
**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/citrix-virtual-apps-desktops/policies/reference/ica-policy-settings/printing-policy-settings/client-printers-policy-settings.html>

#### QUESTION 11

Scenario: A Citrix Architect needs to assess a Citrix Virtual Apps and Desktops environment. The Citrix Virtual Apps and Desktops diagram in the exhibit gives details about the current Site and zone design. Click the Exhibit button to view the diagram.



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Which statement is correct if all Delivery Controllers in the Primary Zone fail?

- A. Satellite Zone 2 will be promoted and the Primary Zone Virtual Delivery Agent (VDA) machines will register within Satellite Zone 2.
- B. Virtual Delivery Agent (VDA) machines in the Primary Zone will NOT register within Satellite Zone 1 or Satellite Zone 2.
- C. Virtual Delivery Agent (VDA) machines in the Primary Zone will register within Satellite Zone 2.
- D. Virtual Delivery Agent (VDA) machines in the Primary Zone will register within Satellite Zone 1.

**Correct Answer: A**

**Section:**

#### QUESTION 12

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. While assessing the existing infrastructure, the architect determined that a number of users utilize legacy USB print devices that they will continue to need locally and within HDX sessions. The current HDX-optimized print virtual channel will NOT support these devices, so the architect decides that the Generic USB redirection channel should be used. Which two factors must the architect consider when using Generic USB redirection? (Choose two.)

- A. It requires more network bandwidth compared to standard HDX virtual channels.
- B. Local access to printers will be lost until the HDX sessions is disconnected or ended.



- C. Manufacturer printer drivers will need to be installed on user workstations.
- D. The Citrix Virtual Channel Software Development Kit (VCSDK) will be required.
- E. It is supported for only USB 3.0 devices and features.

**Correct Answer: A, D**

**Section:**

#### QUESTION 13

Scenario: A Citrix Architect designed an active-passive Citrix Virtual Apps and Desktops environment, where the passive data center serves as the disaster recovery (DR) data center for all users. Twelve items have been configured:

- Citrix ADC Global Server Load Balancing (GSLB) to provide single URL direction to the active data center. GSLB has health monitors configured for the load balanced servers.
- Citrix Gateways are on both data centers.
- Citrix ADC load balancing occurs for StoreFront and Delivery Controller XML services.
- A single Citrix Virtual Apps and Desktops Site exists.
- Four Delivery Controllers are members of the Site.
- Two Delivery Controllers are members of the Primary Zone in the active data center.
- Two Delivery Controllers are members of the Satellite Zone in the passive data center.
- SQL is deployed in the active data center.
- Local Host Cache is enabled.
- Two StoreFront servers are deployed in each data center aggregating resources from the Delivery Controllers in the respective data center.
- Virtual Delivery Agent (VDA) machines are deployed in both data centers and configured to register with Delivery Controllers in their zone.

What would happen if the Delivery Controllers in the primary data center were turned off?

- A. VDA machines from the primary data center would register with the Delivery Controllers in the passive data center.
- B. StoreFront in the primary data center would still be able to launch sessions.
- C. GSLB will start redirecting connections to the secondary data center.
- D. GSLB will NOT identify that the Delivery Controllers are down and sessions CANNOT launch.

**Correct Answer: B**

**Section:**

#### QUESTION 14

Scenario: A Citrix Architect completed an assessment of an existing environment. The architect learned that one of the business requirements dictate that automatic update functionality is disabled, and that deployment is exclusively done by electronic software distribution (ESD).

Which parameter is required to configure the Citrix Workspace Updates settings from the command line interface, when installing Citrix Workspace app for Windows?

- A. /AutoUpdateStream=current
- B. /AutoUpdateCheck=auto
- C. /AutoUpdateStream=disabled
- D. /AutoUpdateCheck=disabled

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/receiver/windows/4-9/citrix-receiver-for-windows-4.9-ltsr.pdf> (40)

#### QUESTION 15

Scenario: A Citrix Architect has developed the hardware requirements for a small production Citrix Virtual Apps and Desktops environment as follows:

- Access to the environment hosted in a single data center
- Ability to perform maintenance on the environment without requiring an outage
- Keep management efforts to a minimum

Which hardware requirement does the architect need to include for Citrix Hypervisor hosts to meet the customer's needs?

- A. N+1 Citrix Hypervisor hosts in a single cluster/pool
- B. Separate Citrix Hypervisor cluster/pool in an alternate data center
- C. Multiple individual Citrix Hypervisor hosts in the same data center
- D. Separate Citrix Hypervisor clusters/pools in the same data center

**Correct Answer: D**

**Section:**

#### QUESTION 16

Scenario: A Citrix Architect is implementing a new Citrix Virtual Apps and Desktops environment. The IT team has purchased 1,000 Citrix Virtual Apps and Desktops Advanced licenses.

Moving forward, the company requires the IT team to produce a report of all unsuccessful connections of Citrix Virtual Apps during the previous 12 months. Which two actions does the architect need to take to support these requirements? (Choose two.)

- A. Configure 'GroomSessionsRetentionDays' to 365 days.
- B. Upgrade to Citrix Virtual Desktops Premium licenses.
- C. Configure 'GroomFailuresRetentionDays' to 365 days.
- D. Upgrade to Citrix Gateway Universal licenses.
- E. Implement Citrix Application Delivery Management.

**Correct Answer: A, E**

**Section:**

#### QUESTION 17

Scenario: A Citrix Architect is designing a Citrix Virtual Desktops environment. The Engineer Group requires NVIDIA hardware with shared virtualized GPUs due to its use of graphical applications. Management wants to use 4 components within the Citrix Virtual Desktops environment to meet these requirements:

- NVIDIA GRID Tesla P40 GPUs
- Microsoft Hyper-V Server 2012 R2
- Windows 10 virtual machines (VMs)
- Citrix Virtual Desktops 7

Which component must the architect change to implement this use case?

- A. Windows 10 virtual machines
- B. Citrix Virtual Desktops 7
- C. NVIDIA GRID Tesla P40 GPUs
- D. Microsoft Hyper-V Server 2012 R2

**Correct Answer: B**

**Section:**

#### QUESTION 18

Scenario: The IT team of a company configured its Citrix environment on Microsoft Azure. Load on the servers is nominal during the off season, but during peak season, load increases on the infrastructure servers. This load varies from year to year. A Citrix Architect is asked to design a solution that dynamically increases and decreases the number of infrastructure servers.





What should the architect recommend the IT team create in Microsoft Azure to meet this demand?

- A. Availability sets
- B. Resource group
- C. Scale sets
- D. Availability domains

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/advanced-concepts/implementation-guides/citrix-adc-vpx-on-azure-autoscale-deployment-guide.html>

**QUESTION 19**

After reviewing a Proof of Concept (PoC) environment for Citrix Virtual Apps and Desktops, the corporate security team advises that user access to Regedit, command line, and PowerShell must be disabled. Which technology can a Citrix Architect use to address this requirement with the least amount of effort?

- A. Citrix ADC Endpoint Analysis (EPA)
- B. Citrix policies
- C. Citrix Workspace ADMX templates
- D. Citrix ADC SmartControl
- E. Citrix Workspace Environment Management (WEM)

**Correct Answer: B**

**Section:**



**QUESTION 20**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment.

The table in the exhibit lists details about the requirements of the current user groups and their Virtual Delivery Agent (VDA) machine workloads.

Click the Exhibit button to view the table.

User	Scaling Priority	VDA Type	Workload Weight	CPU Overcommit	Virtual CPUs per VM	VMs per Host	Users per VM
User Group 1	Scalability	Desktop	Heavy	6:1	4	30	1
User Group 2	User Experience	Server	Medium	1.5:1	16	18	20
User Group 3	Scalability	Desktop	Medium	6:1	2	40	1
User Group 4	Scalability	Server	Medium	1.5:1	6	27	20

At a minimum, the architect should scale the hardware used to host the virtual machine (VMs) for User Group 1 to \_\_\_\_\_ GB of RAM. (Choose the correct option to complete the sentence.)

- A. 256
- B. 512
- C. 64
- D. 128
- E. 384

**Correct Answer: A**

**Section:**

**QUESTION 21**

A Citrix Architect needs to enable the security of the Virtual Delivery Agent (VDA) by evaluating the 'Enable-VdaSSL.ps1 -Enable' script. Which supported SSL protocol version is least secure when using the default settings of the script?

- A. TLS 1.0
- B. SSL 3.0
- C. TLS 1.2
- D. TLS 1.1
- E. SSL 1.0
- F. SSL 2.0

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/secure/tls.html>

#### QUESTION 22

Scenario: A large retail environment includes a StoreFront server group with 2 servers, each with 2 vCPUs and 4 GB of RAM. The server group handles about 25,000 user connections per hour, with the majority of users accessing the environment using the Citrix Workspace app. Workspace Control has been disabled for the environment.

A Citrix Architect learns that the company will soon merge with another retail chain. The Citrix Virtual Apps and Desktops environment must double its capacity, and the StoreFront server group is expected to handle about 40,000 user connections per hour.

What should the architect do to meet the expected load while maintaining high availability with optimal resource allocation for the StoreFront component?

- A. Allocate an additional 2 vCPUs to each existing StoreFront server.
- B. Enable Workspace Control for all StoreFront stores.
- C. Allocate an additional 2 GB of RAM to each existing StoreFront server.
- D. Train users to begin accessing the environment using Citrix Workspace app for Web site.
- E. Use the least connection method for load-balancing on Citrix ADC.



**Correct Answer: A**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/tech-zone/design/reference-architectures/virtual-apps-and-desktops-service.html>

#### QUESTION 23

Scenario: Engineers at a new company developed their product and infrastructure in Microsoft Azure. The engineers have reached out to a Citrix Architect to help design an Azure infrastructure to support publishing applications using the Citrix Virtual Apps and Desktops service. Costs need to be kept to a minimum. Which Azure virtual machine (VM) series provides the lowest cost per user while also providing good performance?

- A. A-series
- B. B-series
- C. H-series
- D. D-series

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/tech-zone/design/reference-architectures/virtual-apps-and-desktops-azure.html>

#### QUESTION 24

Scenario: An infrastructure team has stated that the new Citrix Virtual Apps and Desktops virtualization host will have the specifications shown in the exhibit. Click the Exhibit button to view the specifications.

CPU	4 sockets, 12 cores with hyper-threading
RAM	512 GB

The design document calls for the VMs to have 2 CPUs and 4 GB RAM. Approximately how many virtual desktops can be hosted on each physical server?

- A. 190
- B. 240
- C. 120
- D. 60

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/tech-zone/design/design-decisions/single-server-scalability.html> (Example 1)

**QUESTION 25**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The architect has identified the requirements, based on the assessment and early stages of the design. Click the Exhibit button to view the requirements.

Design Topic	Design Decision
Deployment type	Public Cloud – Microsoft Azure
Licensing	Citrix Virtual Desktops Platinum Edition; User/Device Licenses
Maximum Concurrent Users	1,000
Images	<ul style="list-style-type: none"> <li>• Windows Server 2016 – 1               <ul style="list-style-type: none"> <li>○ FlexCast Model: Published Apps</li> </ul> </li> <li>• Windows Server 2016 – 2               <ul style="list-style-type: none"> <li>○ FlexCast Model: Published Desktops</li> </ul> </li> <li>• Windows 10               <ul style="list-style-type: none"> <li>○ FlexCast Model: Hosted VDI (Static and Persistent)</li> </ul> </li> </ul>
User Applications	<ul style="list-style-type: none"> <li>• Microsoft Office 2016: All Users</li> <li>• Adobe Acrobat: All Users</li> <li>• Internal Sales Application: Sales Group (500 Users)</li> <li>• Mozilla Firefox: Developers Group (200 Users)</li> <li>• Microsoft Office 2010: Accounting Group (50 Users)</li> <li>• Human Resources (HR) App: HR Managers Only (15 Users)</li> </ul>



Additionally, the IT team identified 2 provisioning strategy requirements:

- Should be compatible with planned design decisions
- Should minimize required time to perform image and application updates

Which provisioning method should the architect use for the environment, based on the design decisions and requirements shown in the exhibit?

- A. Machine Creation Services (MCS) with App Layering
- B. Manual Provisioning with App Layering
- C. Manual Provisioning
- D. Citrix Provisioning with App Layering
- E. Citrix Provisioning
- F. Machine Creation Services (MCS)

**Correct Answer: B**

**Section:**

**QUESTION 26**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. As part of graphics-mode design considerations, the architect discovered that one User Group requires a graphics mode that provides both good performance and high image quality. Which graphics mode should the architect recommend be configured for this specific group?

- A. Visual quality = Build to Lossless
- B. Visual quality = Always Lossless
- C. Optimize for 3D graphics workload = Disabled
- D. Optimize for 3D graphics workload = Enabled

**Correct Answer: D**

**Section:**

**QUESTION 27**

Scenario: A Citrix Architect needs to manage the disaster recovery (DR) process for a Citrix Virtual Apps and Desktops environment. The environment currently consists of an active data center typically accessed by users, and a DR data center used in the event that a disaster impacts the primary data center. Each data center hosts a separate Citrix Virtual Apps and Desktops Site. The overall environment has been designed to actively replicate user data and application data from the primary data center to the DR data center using Microsoft Distributed File System Replication (DFS). Management has made it a priority to minimize the loss of data when failing over between data centers.

The primary data center suffers an outage that affects multiple components. As a result, management decides to fail over to the DR data center. The architect has blocked access to the primary data center to prevent new attempts to connect to its Citrix Virtual Apps and Desktops Site. Which two actions must the architect perform to meet company priorities before enabling access to the DR data center? (Choose two.)

- A. Drain existing sessions from the primary data center.
- B. Complete data replication from the primary data center to the DR data center.
- C. Replicate the Site's SQL database backups to the DR data center.
- D. Evaluate the condition of the Citrix Virtual Apps and Desktops environment in the primary data center.
- E. Transport backup data repositories to the DR data center.

**Correct Answer: A, B**

**Section:**

**QUESTION 28**

Scenario: A Citrix Architect needs to implement Citrix Virtual Apps and Desktops. Based on the assessment and early stages of the design, the requirements in the exhibit have been identified. Click the Exhibit button to view the requirements.

Requirement	Detail
Number of Users	5,000
Environment	Production
Redundancy	Highly available
Administrative Team	Highly skilled IT teams
Level of Performance	High
Image Management	Citrix Provisioning (PVS)/non-persistent Machine Creation Services (MCS)/persistent
Additional Considerations	Dedicated network infrastructure required

Which tier of storage should the architect consider implementing, based on the requirement?

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

**Correct Answer: D**

**Section:**

**QUESTION 29**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. While performing a capabilities assessment of the existing infrastructure, it was discovered that there are issues with load balancing users, and that the existing load-balancing hardware is outdated. Which capability risk will the architect need to investigate to address these issues?

- A. Windows Server and Active Directory (AD) environments.
- B. Citrix Virtual Apps and Desktops environments
- C. Network architecture
- D. Access infrastructure

**Correct Answer: C**

**Section:**

**QUESTION 30**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The design will require 2 different StoreFront stores share a subscription datastore, and 2 corresponding Citrix Workspace app for Web sites. The solution should remain supported by Citrix. The architect has already installed StoreFront on a server. How can the architect achieve the desired design while keeping cost and maintenance requirements to a minimum?

- A. Point 1 store to the subscription service endpoint of the other store.
- B. Deploy a separate virtual server, install StoreFront on the new virtual server, and update the web.config file.
- C. Make the web.config files of both stores identical.
- D. Point 1 store to the Citrix Credential Wallet Service endpoint of the other store.

**Correct Answer: C**

**Section:**



**QUESTION 31**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. Management has advised that they have a limited budget for the new solution. However, they still expect the design to account for future growth without the need to redesign or repurchase central hardware components. Additionally, the current 1 Gb network infrastructure CANNOT be replaced within the scope of this project. The architect has determined that the company can support both current and future load with 2 to 3 separate Virtual Delivery Agent (VDA) machine images. Which two features should the architect consider while designing the Citrix Hypervisors for the proposed Citrix environment? (Choose two.)

- A. Thin provisioning
- B. PXE boot with PVS
- C. Boot from SAN
- D. vApps
- E. iSCSI storage
- F. Intellicache

**Correct Answer: A, C**

**Section:**

**QUESTION 32**

Scenario: A Citrix Architect is using LDAP as single-factor authentication (SFA). The architect is migrating the environment to Citrix Cloud and wants to retain the same authentication, procedure for Citrix Virtual Apps and Desktops service in Citrix Cloud. Which deployment strategy should the architect use for the Access Layer to ensure that the solution reduces management and does NOT incur additional costs?

- A. Use Citrix Cloud Gateway service and Citrix Cloud Workspace.
- B. Set up Citrix ADC with bring-your-own license (BYOL) and StoreFront in a public cloud.
- C. Set up Citrix ADC VPX and StoreFront on premises.
- D. Use Citrix Cloud Gateway service and on-premises StoreFront.

**Correct Answer: C**

**Section:**

### QUESTION 33

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. Currently, the environment is configured as 2 locations with identical Citrix Virtual Desktops Sites. Each Site has 2 Delivery Controllers, 2 StoreFront servers, and 1 Citrix ADC high-availability pair. The same applications have been published from both Sites for all users. Two zones (Zone A and Zone B) are configured in each Site with 1 Delivery Controller in each zone. The Microsoft Exchange server is only accessible from Virtual Delivery Agent (VDA) machines in Zone A in each Site.

Six access requirements have been identified:

- Users should have a single URL when accessing resources from different Sites.
- Users should always connect to the data center closest to their location.
- Applications added to Favorites within the Citrix Workspace app should be retained when accessed from different Sites.
- Launched applications and desktops should always connect through a local Citrix ADC.
- No duplication of applications published from different Sites.
- Microsoft Outlook should always launch in Zone A.

What should the architect recommend configuring subscription synchronization to retain applications added to Favorites?

- A. Within server groups of each Site
- B. Between stores across the Sites
- C. Between server groups across the Sites
- D. Within stores of each Site

**Correct Answer: D**

**Section:**

### QUESTION 34

A Citrix Architect is designing the Access Layer for a company that supports active-active mode for Citrix Gateway, as well as an on-premises, two-factor authentication solution. Which feature supports this requirement?

- A. Citrix ADC Standard edition or higher
- B. Citrix ADC Cluster
- C. High-availability pair
- D. Citrix Gateway Service

**Correct Answer: A**

**Section:**

### QUESTION 35

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. Citrix Provisioning (PVS) has been selected for image management. The PVS vDisk store requires high fault tolerance and the ability to support dual drive failure. Which RAID level could the architect use for the PVS vDisk store?

- A. RAID 5
- B. RAID 6





- C. RAID 0
- D. RAID 1

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/citrix-vdi-best-practices/design/design-userlayer5.html>

**QUESTION 36**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. As part of graphics-mode design considerations the architect, determined that one User Group requires hardware acceleration with CPU-enabled Virtual Delivery Agent (VDA) machines for 3D graphics-design-type applications.

Which graphics mode needs be configured for this specific group?

- A. Visual quality = Build to Lossless
- B. Visual quality = Always Lossless
- C. Optimize for 3D graphics workload = Disabled
- D. Optimize for 3D graphics workload = Enabled

**Correct Answer: D**

**Section:**

**QUESTION 37**

Scenario: A Citrix Architect is designing a pod-based architecture in a Citrix Virtual Apps and Desktops environment. The plan is to create three pods for different Resource Layer types:

- Windows 10 VDI (non-persistent)
- Windows Server 2016 hosted shared desktops (non-persistent)
- Windows 10 VDI (persistent)

Which three components can be shared between the three pods? (Choose three.)

- A. Citrix Delivery Controller
- B. Citrix StoreFront
- C. Citrix License Server
- D. Citrix Director
- E. Citrix Site Database

**Correct Answer: B, C, D**

**Section:**

**QUESTION 38**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. Based on some initial discussions about the business goals and objectives of the company, the architect collected the information shown in the exhibit.

Click the Exhibit button to view the information.



Category	Detail
Application Name	HealthApp
Description	The application is an electronic medical recording (EMR) solution for large hospitals and healthcare systems. HealthApp has its own authentication engine to control access to sensitive data.
Usage	The application will be used by all employees in the organization.
OS Compatibility	The application is compatible with the Virtual Desktop Access (VDA) operating systems.
Special Considerations	All users will access HealthApp from non-domain, joined kiosk devices.  Session reconnection and session roaming capabilities are NOT required.

What should the architect recommend to meet customer requirements?

- A. Have users connect to an unauthenticated store through the Citrix Workspace app for Web sites.
- B. Have users connect to an authenticated store through Citrix Workspace app for Web sites.
- C. Have users connect using a Desktop Appliance site created in the StoreFront console.
- D. Have users connect to an authenticated store through the Citrix Virtual Apps Services URL.

**Correct Answer: D**

**Section:**

**QUESTION 39**

What are three things a Citrix Architect should when using thin clones with Machine Creation Services (MCS)? (Choose three.)

- A. Storage and virtual machine (VM) migration may be more complex when compared to full clones.
- B. Provisioning speed is slower when compared to full clones.
- C. Storage fragmentation may occur over time.
- D. Storage space should be closely monitored.
- E. Higher storage space is required when compared to full clones.



**Correct Answer: C, D, E**

**Section:**

**QUESTION 40**

Scenario: A Citrix Architect designing a new Citrix Virtual Apps and Desktops environment needs to determine which endpoints to include. Based on discussions with various departments, the user requirements listed in the exhibit were collected.

Click the Exhibit button to view the requirements.

User Group	Typical Location	High-security User Group?	FlexCast Model Used	Peripheral Requirements	User Mobility	User Workload
Finance	Internal	Yes	Published Apps	None	None	Low
Product Development	Internal	Yes	Static/Persistent Hosted Desktop	USB Printers	None	High
Sales	Roaming	No	Published Apps and Desktops	USB Printers and Projectors	High	Medium

In addition to the user requirements, the architect must address the organizational requirement of minimizing endpoint management effort.

Which endpoint type should the architect use for the Sales Group, based on the requirements?

- A. Corporate-owned thin client
- B. Bring-your-own device (BYOD) laptop/notebook

- C. Corporate-owned smartphone
- D. Corporate-owned laptop/notebook
- E. Bring-your-own device (BYOD) smartphone

**Correct Answer: B**

**Section:**

**QUESTION 41**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment.

The table in the exhibit lists details about the requirements of the current user groups and their Virtual Delivery Agent (VDA) machine workloads.

Click the Exhibit button to view the table.

User	Scaling Priority	VDA Type	Workload Weight	CPU Overcommit	Virtual CPUs per VM	VMs per Host	Users per VM
User Group 1	Scalability	Desktop	Medium	8:1	2	90	1
User Group 2	User Experience	Server	Medium	1.5:1	6	16	20
User Group 3	Scalability	Desktop	Heavy	6:1	4	36	1
User Group 4	Scalability	Server	Medium	1.5:1	6	27	20

The architect should scale the hardware used to host the virtual machines (VMs) for User Group 1 to \_\_\_\_\_ cores. (Choose the correct option to complete the sentence.)

- A. 32
- B. 24
- C. 96
- D. 64
- E. 16



**Correct Answer: E**

**Section:**

**QUESTION 42**

Scenario: A Citrix Architect is configuring a multi-location profile strategy as part of a large Citrix Virtual Apps and Desktops solution. The architect needs to implement a single policy that sets the profile path for all users and distributes the user profiles between 3 shares and 9 file servers.

- New York users: Server: NYC-FS.company.lan – Share: NYC-Profiles\$
- Miami users: Server: MIA-FS.company.lan – Share: MIA-Profiles\$
- San Francisco users: Server: SFO-FS.company.lan – Share: SFO-Profiles\$

Which value constitutes a valid path for use with a Citrix Profile Management policy?

- A. \\%DataCenter%-FS.company.lan\%UserHome%-Profiles\$\#sAMAccountName#\%ProfileVer%\
- B. \\%DFS-ROOT%.company.lan\%HomeShare%\#sAMAccountName#\%ProfileVer%\
- C. \\#DataCenter#-FS.company.lan\#DataCenter#-Profiles\$\#sAMAccountName#\%ProfileVer%\
- D. \\#DFS-ROOT#.company.lan\%HomeLocation%\#sAMAccountName#\%ProfileVer%\

**Correct Answer: C**

**Section:**

**QUESTION 43**

Scenario: An automobile manufacturer in Germany has deployed a Citrix Virtual Apps and Desktops solution for its employees using Citrix Cloud and uses a resource location in Germany. Recently, they acquired an automobile manufacturer in Japan. Since then, users from Japan have reported issues regarding slowness and degraded performance of the application hosted in the German resource location.

How can a Citrix Architect improve the performance of the application for users in Japan?

- A. Implement Optimal Gateway Routing within the existing resource location.
- B. Create a new Site for Japan within Germany's resource location
- C. Provision new resources in Japan's resource location
- D. Implement Global Server Load Balancing (GSLB)

**Correct Answer: D**

**Section:**

#### QUESTION 44

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The environment will run on 2 Citrix Hypervisor platforms, each consisting of 3 NICs. The company maintains strict security standards for all business data traffic, so the architect is designing and configuring hypervisor network traffic to limit infrastructure vulnerabilities.

How should the architect configure the hypervisor network traffic to provide the best security for the environment?

- A. Use 1 physical NIC on the host for management, and a second NIC shared for storage and virtual machines (VMs). Create 2 subnets - 1 for management and the other for storage and VMs. Confirm that the storage and VMs use a NIC on the same network as the host NIC, and sort traffic between the host and storage/VM with a switch port.
- B. Use each physical NIC on the hosts - 1 for management, 1 for storage, and 1 for the virtual machines (VMs). Create 2 subnets - 1 for management and the other for storage. Confirm that the VMs use a NIC for guest traffic on a separate network, and connect all networks to separate network switches.
- C. Use each physical NIC on the hosts - 1 for management, 1 for storage, and 1 for the virtual machines (VMs). Keep all traffic on a single subnet. Confirm that the VMs use a NIC for guest traffic on the same network as the host NIC, and sort the traffic between the host and VMs with switch port.
- D. Use 1 physical NIC on the host for management, and a second NIC shared for storage and virtual machines (VMs). Keep all traffic on a single subnet. Confirm that the storage and VMs use a NIC on the same network as the host NIC, and sort the traffic between the host and storage/VM with a switch port.

**Correct Answer: B**

**Section:**



#### QUESTION 45

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The architect's objective is to create a configuration to automatically reroute network traffic to the second NIC within the bond. The goal is to avoid a loss of productivity should the primary Citrix Hypervisor host NIC fail. Each hypervisor currently consists of a single, active 10 GB NIC and a second, dormant 1 GB NIC. Which two network interface configurations should the architect implement? (Choose two.)

- A. Active-passive (LACP)
- B. Active-active (SLB)
- C. NIC teaming-bonding
- D. Active-active (LACP)

**Correct Answer: A, B**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/xencenter/current-release/hosts-network.html>

#### QUESTION 46

Scenario: A Citrix Architect is designing a Citrix Virtual Desktops environment. The Graphic Designers Group uses graphic-intensive applications. Graphic designers will be provided with a Windows 10-hosted assigned desktop, with NVIDIA graphics hardware acceleration. HDX 3D Pro mode was selected during the installation of the Virtual Delivery Agent (VDA).

What is the maximum number of monitors supported for the Graphic Designers Group?

- A. 4
- B. 1

- C. 2
- D. 8

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://support.citrix.com/article/CTX131385>

**QUESTION 47**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The architect has identified the Resource Layer requirements shown in the exhibit. Click the Exhibit button to view the requirements.

User Group	Persistent User Settings Required?	Assigned FlexCast Model	Access to Profile Folders Required?	Additional Requirements
Accountants	Yes	Hosted VDI – Static/Persistent	No	None
Executives	Yes	Remote PC	Yes, the following folders should be available: <ul style="list-style-type: none"> <li>• Contacts</li> <li>• Desktop</li> <li>• Downloads</li> <li>• Favorites</li> <li>• My Documents</li> </ul>	Profile data should be preserved even if the resource machine fails.  Solution must NOT require additional software to be installed on remote PCs.
Graphic Designers	Yes	Published Apps that use vGPU	Yes, the following folders should be available: <ul style="list-style-type: none"> <li>• Contacts</li> <li>• Desktop</li> <li>• Favorites</li> <li>• My Documents</li> <li>• My Pictures</li> <li>• My Videos</li> </ul>	The application reads and writes a high volume of data to and from the AppData folder.
Customer Service	No	Published Desktop (Server OS)	No	None



Which feature of Citrix Profile Management could help the architect address the Graphic Designers Group requirements while minimizing login time?

- A. Profile streaming
- B. Active write back
- C. Folder redirection
- D. File exclusions

**Correct Answer: A**

**Section:**

**Explanation:**

Reference: <https://www.citrix.com/blogs/2012/02/11/citrix-profile-management-and-vdi-doing-it-right/>

**QUESTION 48**

Scenario: A Citrix Consultant is designing a new Citrix Virtual Desktops environment. During the user segmentation process, a Citrix Architect collected a small amount of data about user requirements, but was NOT able to create welldefined user groups.

Which user-segmentation actions should the consultant pursue?

- A. Collect user data, define user groups, and identify user requirements.
- B. Collect user data, confirm user groups, and identify user requirements.



- C. Analyze existing data, define user groups, and confirm user requirements.
- D. Analyze existing data, confirm user groups, and identify user requirements

**Correct Answer: A**

**Section:**

**QUESTION 49**

A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The IT team maintains 12 Citrix Hypervisor hosts that are available to build the new Citrix environment. During the project kickoff meeting, management states:

“We need a robust infrastructure that can handle large user loads, improve IT efficiency, guarantee minimal downtime, and protect the network and its resources from corruption.”

Click the Exhibit button to view the existing infrastructure details.

Hardware/Network	Details
Citrix Hypervisors	Heterogeneous hosts use the same software version and patch levels.
Resource: CPU, Memory, etc.	Uses the same CPU vendor and similar CPU models, with each host containing 128 GB RAM. Local storage of 100 GB is available.
Network Storage	Network File System (NFS) is used for file storage. Linux GFS2 shared block storage is used for the hypervisor hosts.
Network	All hosts are on the same subnet, with similar static IP range on the management port.
Virtual Machines (VMs)	Virtual disks are on shared storage. No local DVD drive is configured.

Which configuration should the architect use to meet the requirements for the new Citrix environment?

- A. Create multiple resource pools with at least 3 hosts in each pool for the infrastructure and Citrix workloads, and enable high availability with clustered pools using local storage repositories.
- B. Create a single resource pool containing all hosts for the infrastructure and Citrix workloads, and enable default high availability using GFS2 as the heartbeat storage repository.
- C. Create a single resource pool containing all hosts for the infrastructure and Citrix workloads, and enable default high availability using NFS as the heartbeat storage repository.
- D. Create multiple resource pools with at least 3 hosts in each pool for the infrastructure and Citrix workloads, and enable high availability with clustered pools using GFS2 as the heartbeat storage repositories.

**Correct Answer: D**

**Section:**

**QUESTION 50**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment for a company with 2 branch offices connected over a WAN link. Each location will maintain its own Citrix Site and be configured for disaster recovery (DR) to allow users to failover if 1 Site has an outage. Management wants to implement a strong profile solution to manage user profiles. Each user maintains a profile that consists of user documents, application settings, and other personalization settings that must be available to them at all times.

Which step should the architect perform to ensure that profile requirements are met?

- A. Implement Citrix Profile Management for all users with Windows Folder Redirection configured, and Microsoft Distributed File System Replication (DFS-R) active-active profile replication configured over the WAN connection.
- B. Implement Citrix Profile Management for all users with Microsoft Distributed File System Replication (DFS-R) active-passive profile replication configured over the WAN connection.
- C. Implement Citrix Profile Management for all users with Microsoft Distributed File System Replication (DFS-R) active-active profile replication configured over the WAN connection.
- D. Implement Citrix Profile Management for all users with Active write back enabled and Microsoft Distributed File System Replication (DFS-R) active-active profile replication configured over the WAN connection.

**Correct Answer: B**

**Section:**



### QUESTION 51

Scenario: A Citrix Architect is implementing a new Citrix Virtual Apps and Desktops environment. The customer has 3 requirements:

- All users must be able to aggregate resources from all Sites.
- Both Sites should be treated as 1 equivalent farm set.
- User connections should be directed to the New York Site with failover to San Francisco.

Click the Exhibit button to view the StoreFront configurations.

Exhibit 1.

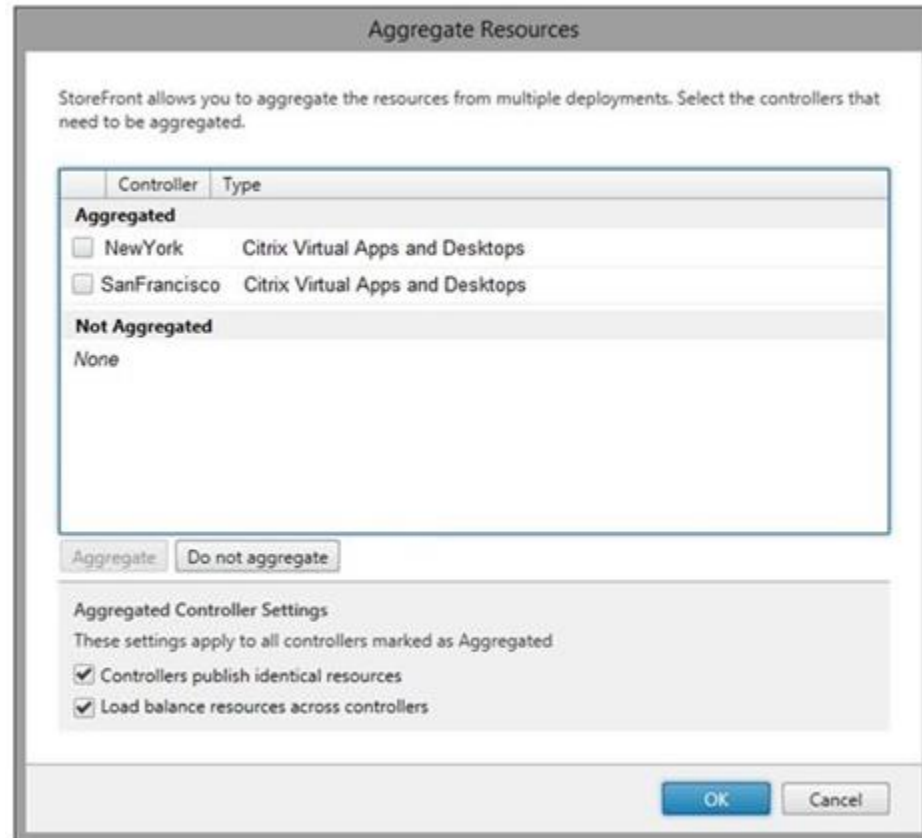
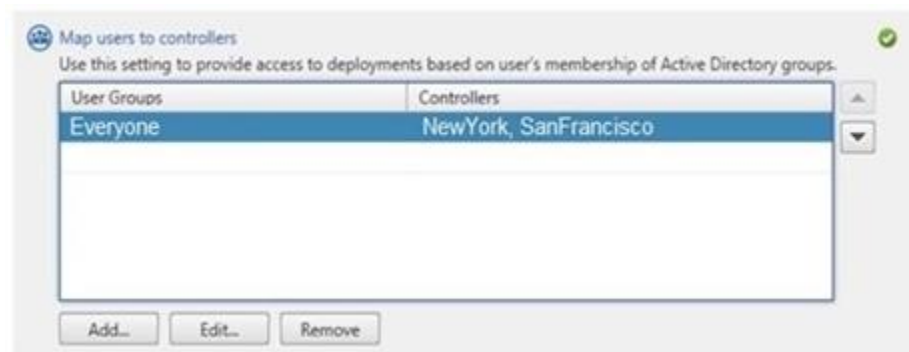


Exhibit 2.



Based on the configurations, requirement 1 is \_\_\_\_\_, requirement 2 is \_\_\_\_\_, and requirement 3 is \_\_\_\_\_. (Choose the correct option to complete the sentence.)

- A. met; met; NOT met
- B. met; NOT met; NOT met
- C. NOT met; met; met
- D. met; met; met
- E. NOT met; met; NOT met
- F. met; NOT met; met
- G. NOT met; NOT met; NOT met



**Correct Answer: F**

**Section:**

**QUESTION 52**

Which access component will support anonymous access within a new environment?

- A. Citrix StoreFront
- B. Citrix Gateway Service
- C. Citrix ADC
- D. Citrix Workspace

**Correct Answer: A**

**Section:**

**Explanation:**

Reference: <https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-6-long-term-service-release/xad-build-new-environment/xad-dg-create/xad-dg-manage-users.html>

**QUESTION 53**

Scenario: A Citrix Architect is designing a new 2,000-user Citrix Virtual Apps and Desktops environment. The environment will use Windows Server 2016 for all Site infrastructure components (Delivery Controllers, StoreFront servers, and Citrix Director). Machine Creation Services (MCS) will be used to provision Virtual Delivery Agent (VDA) machines. The environment will include 2 primary use cases:

- Windows Server 2016 VDA machines providing hosted applications
- Windows 10 VDA machines providing random, non-persistent VDI

The IT team has NOT yet purchased the hardware that will be used for the environment, and will build the Hardware Layer components based on the architect's recommendations.

How should the architect design the Citrix Hypervisor resource pools based on Citrix leading practices?

- A. Windows Server 2016 VDA machines should be placed in 1 resource pool, Windows 10 machines should be placed in a second resource pool, and the infrastructure servers should be placed in a third resource pool.
- B. Windows Server 2016 machines should be placed in 1 resource pool, and all Windows 10 machines should be placed in a second resource pool.
- C. The infrastructure servers and all VDA machines should be located in 1 resource pool.
- D. The infrastructure servers should be placed in 1 resource pool, and the VDA machines should be placed in a second resource pool.

**Correct Answer: D**

**Section:**

**QUESTION 54**

Scenario: A Citrix Architect is assessing an existing infrastructure for a company that has storage challenges as a result of hyper-growth. They currently have a large IT infrastructure that consists of 15 hypervisor hosts and more than 200 virtual machines (VMs) worldwide. Management has advised the architect that they need to improve their storage infrastructure to include high performance and scalability.

Which storage solution should the architect implement within this infrastructure?

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

**Correct Answer: B**

**Section:**

**QUESTION 55**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. Currently, the environment is configured as 2 locations with identical Citrix Virtual Desktops Sites. Each Site has 2 Delivery Controllers, 2 StoreFront servers, and 1 Citrix ADC high-availability pair. The same applications have been published from both Sites for all users. Two zones (Zone A and Zone B) are configured in each Site with 1 Delivery

Controller in each zone. The Microsoft Exchange server is only accessible from Virtual Delivery Agent (VDA) machines in Zone A in each Site. Six access requirements have been identified:

- Users should have a single URL when accessing resources from different Sites.
- Users should always connect to the data center closest to their location.
- Applications added to Favorites within the Citrix Workspace app should be retained when accessed from different Sites.
- Launched applications and desktops should always connect through a local Citrix ADC.
- No duplication of applications published from different Sites.
- Microsoft Outlook should always launch in Zone A.

What should the architect recommend configuring to avoid duplication of the same applications being delivered from different Sites?

- A. 'Keywords: Featured' in the properties of the published applications
- B. An Application Group
- C. Zone preferences for VDA machines hosting the applications
- D. Aggregate resources

**Correct Answer: D**

**Section:**

