

# Citrix

## Exam Questions 1Y0-403

Citrix Virtual Apps and Desktops 7 Assessment Design and Advanced Configurations



#### NEW QUESTION 1

Scenario: A customer who installed all applications locally on managed laptops and desktops is willing to evaluate other application delivery methods as part of a new design created by a Citrix Architect. 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 shown in the exhibit was collected regarding 1 of the required applications. Click the Exhibit button to view the information.

Category	Detail
Application Name	Workspace Inventory 3.0
Description	The inventory tracker and management software will be used by most users to perform data entry tasks.  Managers will use the application to view data and create reports.
Usage	The application will be used by most employees in the organization.
OS Compatibility	The application is compatible with the target operating systems.
Special Considerations	None

Additionally, the customer has 3 objectives:

- Minimize the amount of additional infrastructure components.
- Utilize thin clients as endpoints in order to reduce costs.
- Prohibit direct user access to the thin client operating system. How should the architect install the application?

- A. Install it directly on a VDA machine image and access it through 2 virtual desktop session.
- B. Install it directly on endpoint devices, and include it in a virtual desktop session using the Local App Access feature.
- C. Stream it to a VDA machine using Microsoft App-V and access it through a virtual desktop session.
- D. Install it on an Application Layer using Citrix App Layering, then present it to assigned users as an Elastic Layer during a virtual desktop.
- E. Install it on an Application Layer using Citrix App Layering and include it in a layered image, and access it through a virtual desktop session.

**Answer: A**

#### NEW QUESTION 2

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

**Answer: B**

#### NEW QUESTION 3

Scenario: A Citrix Architect is designing a Citrix Virtual Apps and Desktops environment. The company has a small IT team with limited experience deploying and maintaining this type of environment.

To perform adequately, the line of business application used by the company must be hosted <10ms RTT from a backend database located within a customer-managed data center.

Which Citrix Virtual Apps and Desktops environment best meets the needs of this organization?

- A. Citrix Virtual Apps and Desktops and Microsoft Azure workload
- B. Citrix Virtual Apps and Desktops Service and on-premises workload
- C. Citrix Virtual Apps and Desktops Service and Microsoft Azure workload
- D. Citrix Virtual Apps and Desktops and on-premises workload

**Answer: C**

#### NEW QUESTION 4

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.

**Answer: D**

#### NEW QUESTION 5

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)

**Answer: D**

#### NEW QUESTION 6

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The environment will utilize Citrix Provisioning (PVS) for image management of physical and virtual machines (VMs). Upon review of the current network infrastructure, the architect determined a number of considerations that will impact the overall imaging process.

Click the Exhibit button to view the existing internal network and PVS infrastructure details.

Network Architecture	Network Hardware/Servers	Target Devices
Single DNS Active Directory (AD) domain	Four Citrix Provisioning (PVS) servers	100 Target Devices (mix of physical and virtual machines)
One PVS Farm with 2 Sites, each containing 2 PVS servers  PVS Site 1 on Subnet A PVS Site 2 on Subnet B	Routers between Subnet A and Subnet B have all required ports configured for necessary services	Auto negotiation is enabled on the NIC of target devices
	No internal firewalls	
10 Gbps NICs, running full duplex mode on PVS servers and target devices	PVS vDisks are replicated between each PVS server	

What should the architect do to optimize the Citrix Provisioning server to target device communication and the streaming process?

- A. Enable Replication and set to Fixed
- B. Enable Subnet Affinity and set to Fixed
- C. Enable Subnet Affinity and set to None
- D. Enable Replication and set to Best Effort

**Answer: B**

#### NEW QUESTION 7

Scenario: A Citrix Architect is designing and implementing a new Citrix Virtual Apps and Desktops environment. During the kickoff meeting, management advised that their main business driver is to increase user flexibility for internal and mobile employees.

Which two design decisions should the architect make based on the listed business drivers? (Choose two.)

- A. Implement a company-wide bring-your-own device (BYOD) initiative.
- B. Implement Citrix Files for internal and external collaboration and filesharing.
- C. Enhance security settings on internal network hardware and firewalls.
- D. Locate user workstations close to the application servers and corporate data.
- E. Segment the company network and related functionalities.

**Answer: AB**

#### NEW QUESTION 8

Scenario: Eight hundred users from a newly acquired company based in another continent will immediately require access to several Citrix applications being added to a zone within the Citrix Virtual Apps Site. Approximately 40 Citrix servers are being deployed in that zone.

Management informs a Citrix Architect that the new company has an unused Citrix ADC MPX 24xxx series appliances that should be used to address Citrix Gateway requirements. The design must support updating the Citrix ADC firmware without user interruption.

What should the architect do to ensure that the Citrix ADC MPX 24000-series appliance addresses these requirements?

- A. Install a Premium license on the appliance and deploy 2 extended access control lists (ACLs)
- B. Deploy Citrix Gateway into 2 admin partitions.
- C. Convert to Citrix SDX, install an add-on pack license on the appliance, and deploy Citrix Gateway VPX instances in a cluster.
- D. Install a Premium license on the appliance and deploy Citrix Gateway instances in a cluster.

**Answer: C**

#### Explanation:

<https://docs.citrix.com/en-us/citrix-hardware-platforms/sdx/convert-mpx-to-sdx/convert-mpx24100-sdx24100.ht>

#### NEW QUESTION 9

Scenario: A Citrix Architect is creating a conceptual architecture for a Citrix Virtual Apps and Desktops environment. Based on some initial the company's business goals and objectives, the architect has collected the information shown in the exhibit.



Click the Exhibit button to view the information.

Requirement	Detail
Number of Users	2,000
Data Centers	One on-premises data center
Available Hardware	Available hardware is limited, as all servers are in use at nearly full capacity.
Administrative Team	Three dedicated Citrix Administrators will be supported by the IT team members who are mostly at full capacity with maintenance and change tickets.
Level of Desired Control	Basic
Additional Considerations	The new solution should be highly available, where possible, and within a responsible financial budget.

Which delivery model should the architect recommend?

- A. Single-Site in Citrix Cloud, public cloud, and on-premises resource locations
- B. Multi-Site, multi-zone, and multiple on-premises data centers
- C. Multi-Site in Citrix Cloud, and multiple public cloud resource locations
- D. Single-Site, single-zone, and single on-premises data center

**Answer:** A

#### NEW QUESTION 10

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.

**Answer:** D

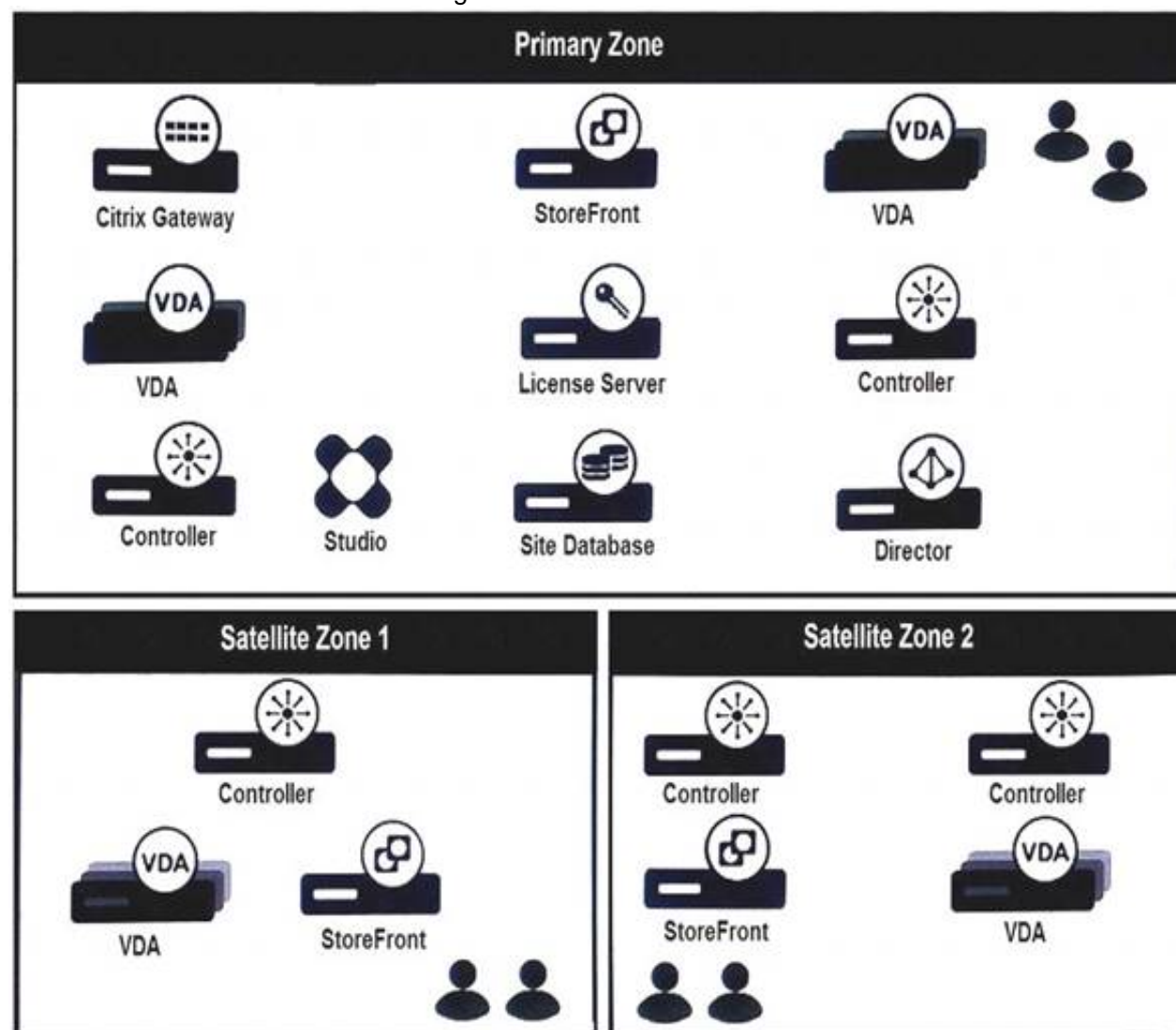
#### Explanation:

"In clustered pools, the heartbeat SR must be a GFS2 SR" <https://docs.citrix.com/en-us/citrix-hypervisor/hosts-pools/clustered-pools.html>

### NEW QUESTION 10

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.



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.

**Answer: B**

#### Explanation:

<https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/manage-deployment/zones.html#where-vdas-regi>

### NEW QUESTION 12

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



**Answer:** C

**Explanation:**

<https://docs.citrix.com/en-us/profile-management/current-release/profile-management-best-practices.html>

#### NEW QUESTION 15

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

**Answer:** B

#### NEW QUESTION 18

Scenario: A Citrix Architect is designing a Citrix Virtual Desktops environment. The Graphic Editors Group uses a graphic-intensive and media-rich application. Graphic editors will be provided with a Windows Server 2016 Desktop with NVIDIA graphics hardware acceleration. HDX 3D Pro and Server VDI options were selected during the command-line installation of the Virtual Delivery Agent (VDA).

Which limitation will affect the Graphic Editors Group?

- A. Each virtual desktop requires a dedicated NVIDIA graphics card.
- B. Support is available only for a single user session per VDA.
- C. The Browser Content Redirection feature is NOT available.
- D. Support is limited to the Thinwire graphics protocol.

**Answer:** B

**Explanation:**

"Use the Server VDI (Virtual Desktop Infrastructure) feature to deliver a desktop from a server operating system for a single user."

<https://docs.citrix.com/en-us/citrix-virtual-apps-desktops/install-configure/server-vdi.html>

#### NEW QUESTION 20

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The customer requires that local users on the internal network have access to the Citrix environment from available, non- domain-joined desktops.

How should the architect configure StoreFront for the Citrix Virtual Apps and Desktops deployment to ensure this requirement is met?

- A. Use the Citrix StoreFront console to create the new store and then use the XenApp Services URL for the store
- B. Use the Citrix StoreFront option within Citrix Studio to create the new store and then use the XenApp Services URL for the store
- C. Use the Citrix StoreFront console to create a Desktop Appliance site
- D. Use the PowerShell console to create a Desktop Appliance site

**Answer:** D

#### NEW QUESTION 22

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 (DFSR). 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.

**Answer:** AB

#### NEW QUESTION 26

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 VM
- B. 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.
- C. 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 storag
- D. Confirm that the VMs use a NIC for guest traffic on a separate network, and connect all networks to separate network switches.
- E. 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 subne
- F. 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.

- G. 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 subne  
H. 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.

**Answer: B**

#### NEW QUESTION 27

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.

**Answer: A**

#### NEW QUESTION 28

Scenario: An additional zone was recently added to a Citrix Virtual Apps and Desktops environment. The main zone is located in New York City, and a small, second zone is located in Tokyo. Within the next year, the number of users in Tokyo is expected to equal that in New York City.

A Citrix Architect recommended the addition of 2 StoreFront servers in Tokyo to support the users.

What should the architect recommend for this environment to ensure user-experience consistency and reduce WAN bandwidth consumption?

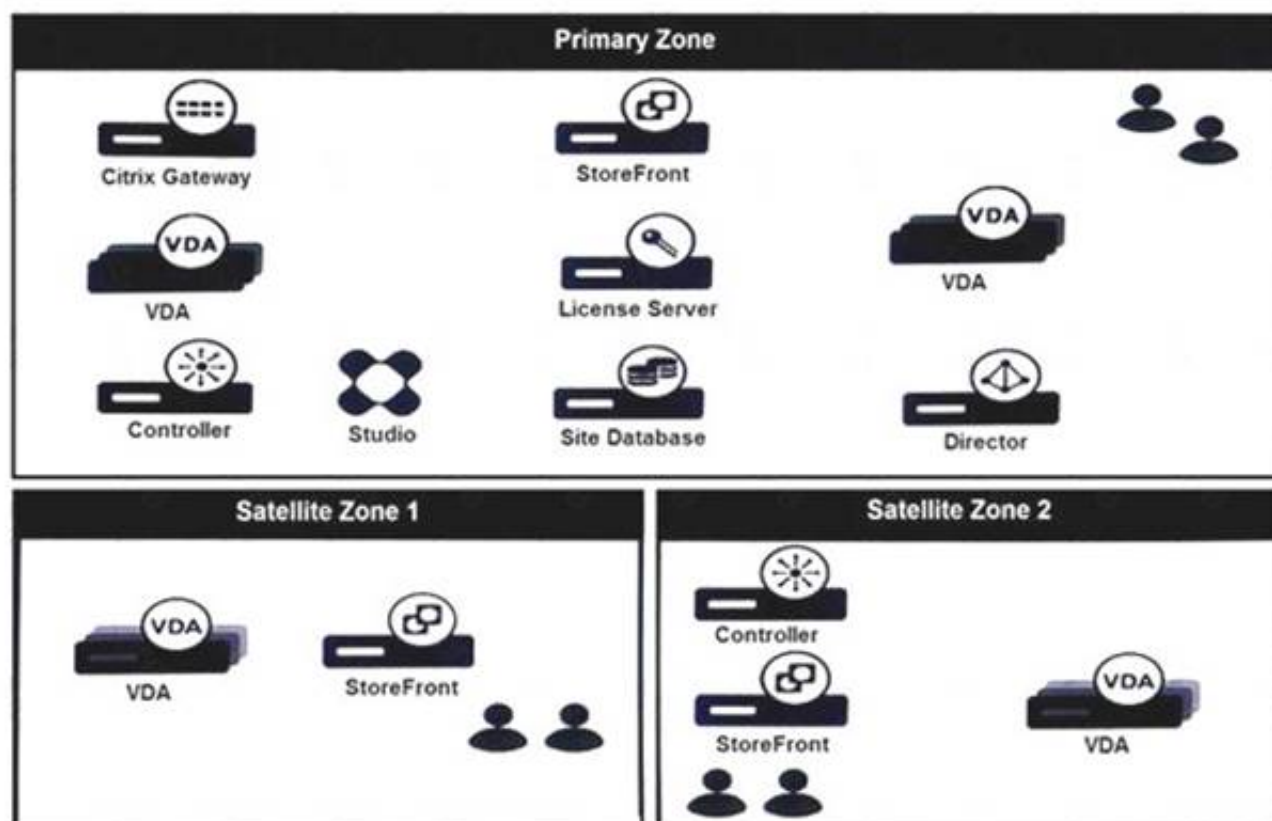
- A. Add 2 StoreFront servers to separate server groups and configure subscription synchronization  
B. Add 2 StoreFront servers and configure the Optimal Gateway routing feature  
C. Add 2 standalone StoreFront servers  
D. Add 2 StoreFront servers to the same server group

**Answer: B**

#### NEW QUESTION 30

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.



Which statement is correct if the Delivery Controller in Satellite Zone 2 fails?

- A. Virtual Delivery Agent (VDA) machines in Zone 2 will register within the Primary Zone  
B. Virtual Delivery Agent (VDA) machines in Zone 2 will register within Satellite Zone 1  
C. Virtual Delivery Agent (VDA) machines in Satellite Zone 2 will NOT register  
D. Virtual Delivery Agent (VDA) machines will register using the Local Host Cache (LHC)

**Answer: A**

#### NEW QUESTION 32

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)

**Answer:** A

**Explanation:**

MCS combined with AppLayering provides the highest level of automation and least amount of administrative effort.

**NEW QUESTION 35**

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)

**Answer:** AC

**Explanation:**

<https://docs.citrix.com/en-us/citrix-hypervisor/networking.html>.

**NEW QUESTION 40**

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.

**Answer: C**

**Explanation:**

GSLB will start redirecting connections to the secondary data center, as GSLB is aware the controllers are down.

**NEW QUESTION 43**

Scenario: A Citrix Architect is developing a Citrix Provisioning (PVS) design for a healthcare organization. The initial design places all PVS farm components in the primary data center of the organization. The customer asks if the vDisk can be streamed from PVS servers in the primary data center to target devices located in a secondary data center in another region, while still maintaining good performance. The data centers are connected with a 10 GB link with approximately 20 ms of latency.

The architect recommends against the organization pursuing this approach. Which statement is a relevant reason for this recommendation?

- A. This configuration would introduce excessive latency in streaming traffic.
- B. This configuration does NOT provide sufficient connectivity between PVS servers and the farm database.
- C. This configuration prevents the Subnet Affinity feature from being implemented.
- D. This configuration does NOT provide sufficient bandwidth for streaming traffic.

**Answer: A**

**Explanation:**

"If having a global PVS Farm across data centers is required, Citrix recommends additional testing to confirm network performance and reliability, this is especially relevant for networks with higher latency (>15ms). If reliability and performance cannot be guaranteed then it is best to implement multiple PVS farms with local SQL databases for optimal performance and reliability." <https://support.citrix.com/article/CTX220651>

**NEW QUESTION 46**

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

**Answer: D**

**NEW QUESTION 48**

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

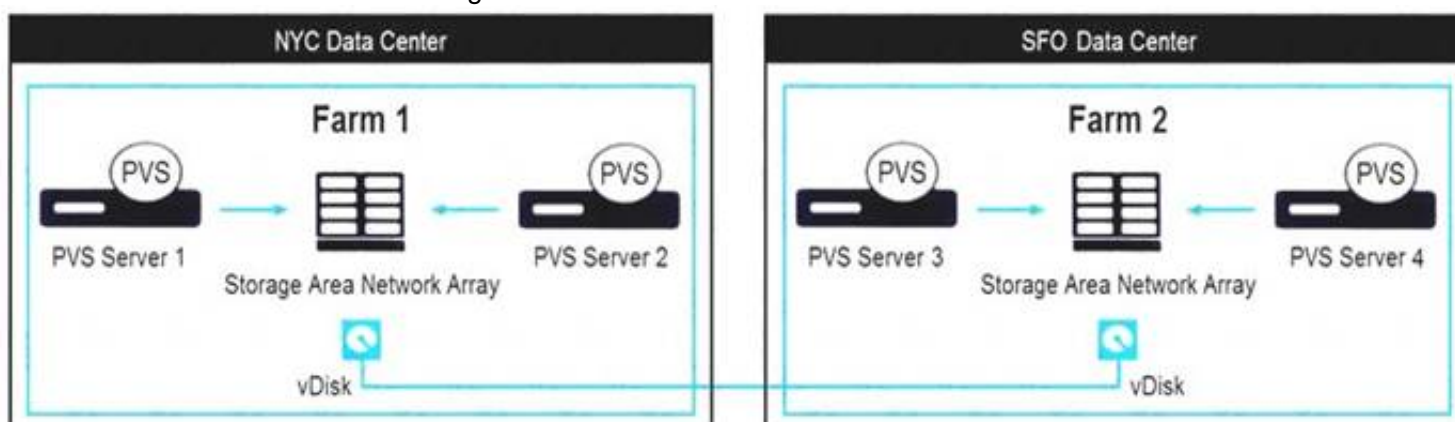
- A. Citrix StoreFront
- B. Citrix Gateway Service
- C. Citrix ADC
- D. Citrix Workspace

**Answer: A**

**NEW QUESTION 49**

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.
- 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

**Answer: C**

**Explanation:**

"vDisks and Storage – For vDisk stores hosted on local, Direct Attached Storage (DAS) or Storage Area Network (SAN), replication should be used to synchronize the vDisks. If using Network Attached Storage (NAS), ensure that the vDisks are hosted on a highly available network share."

<https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/citrix-vdi-best-practices/design/design-userlayer4>

**NEW QUESTION 50**

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

**Answer: C**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview#:~:text=Azure%20virtual%20mach>

**NEW QUESTION 54**

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

**Answer: A**

**NEW QUESTION 56**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops 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 1 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 5 technicians in the Research and Development (R&D) department.
OS Compatibility	The application is compatible with the target operating systems.
Special Considerations	Technicians must frequently reference this application's data when making log entries in a different application that, for security reasons, is only available through a virtual desktop session.  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 the additional objective of minimizing the amount of network traffic in the environment, particularly on WAN or metered links. How should the architect deploy the application?

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

**Answer:** B

#### NEW QUESTION 57

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

**Answer:** D

#### Explanation:

"The HDX 3D Pro capabilities in Citrix Virtual Apps and Desktops enable you to deliver desktops and applications that perform best using a graphics processing unit (GPU) for hardware acceleration." <https://docs.citrix.com/en-us/citrix-virtual-apps-desktops/graphics.html>

#### NEW QUESTION 60

Scenario: A Citrix Architect deployed a new Citrix Virtual Desktops environment in Citrix Cloud. The environment is accessed exclusively by users in a location where Citrix Cloud does NOT have a local point of presence (POP). The Corporate Security team advises that a new industry regulation requires that all user HDX-session communications remain within the country.

In addition, users have requested file-type-association functionality to launch published applications from within their virtual desktops.

What should the architect configure for this deployment?

- A. On-premises Citrix Gateway with on-premises StoreFront
- B. Citrix Cloud-hosted Gateway Service with Citrix Cloud-hosted Workspace
- C. On-premises Citrix Gateway with Citrix Cloud-hosted Workspace
- D. Citrix Cloud-hosted Gateway Service with on-premises StoreFront

**Answer:** C

#### NEW QUESTION 61

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 (DFSR) 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 (DFSR) deployments

**Answer:** B

#### NEW QUESTION 62

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 an each physical server?

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

**Answer:** B

#### Explanation:

<https://docs.citrix.com/en-us/tech-zone/design/design-decisions/single-server-scalability.html#scalability-factors>

#### NEW QUESTION 63

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment for a marketing and design company. One department uses several 3D applications based on OpenGL. These applications run as hosted applications within a single virtual machine (VM) running on a single Citrix Hypervisor host. The host is configured with 2 physical GPUs running NVIDIA GRID technology.

Which HDX 3D Pro method should the architect use for these 3D applications?

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

**Answer:** B



#### NEW QUESTION 67

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	Published Apps	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 anything to be installed on remote PCs.
Graphic Designers	Yes	Hosted VDI – Random/ Non-persistent Desktops; Uses 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>	Synchronize profile files in multiple sessions.
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?

- A. Active write back
- B. NTUser.dat backup
- C. Profile streaming
- D. Profile caching

**Answer: A**

#### NEW QUESTION 71

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.

**Answer: C**

#### Explanation:

<https://www.smali.net/creating-desktop-appliance-site-on-storefront-by-richard-egenas/>

#### NEW QUESTION 75

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
Finance	No	Published Apps	Yes	Application-specific data should be preconfigured within the profile.  For security reasons, data and the profile should be deleted when the published application is closed.
Customer Service	No	Published Desktop (Server OS)	No	None
Executives	Yes	Remote PC Access	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>	The ability to use resources locally while offline is required.
Graphic Designers	Yes	Hosted VDI (Static)	No	None

Additionally, management identified 2 general Resource Layer requirements:

- The time required to configure the solution should be minimized.
- Different user groups can use different profile solutions.

Which profile type should the architect consider for the Finance Group?

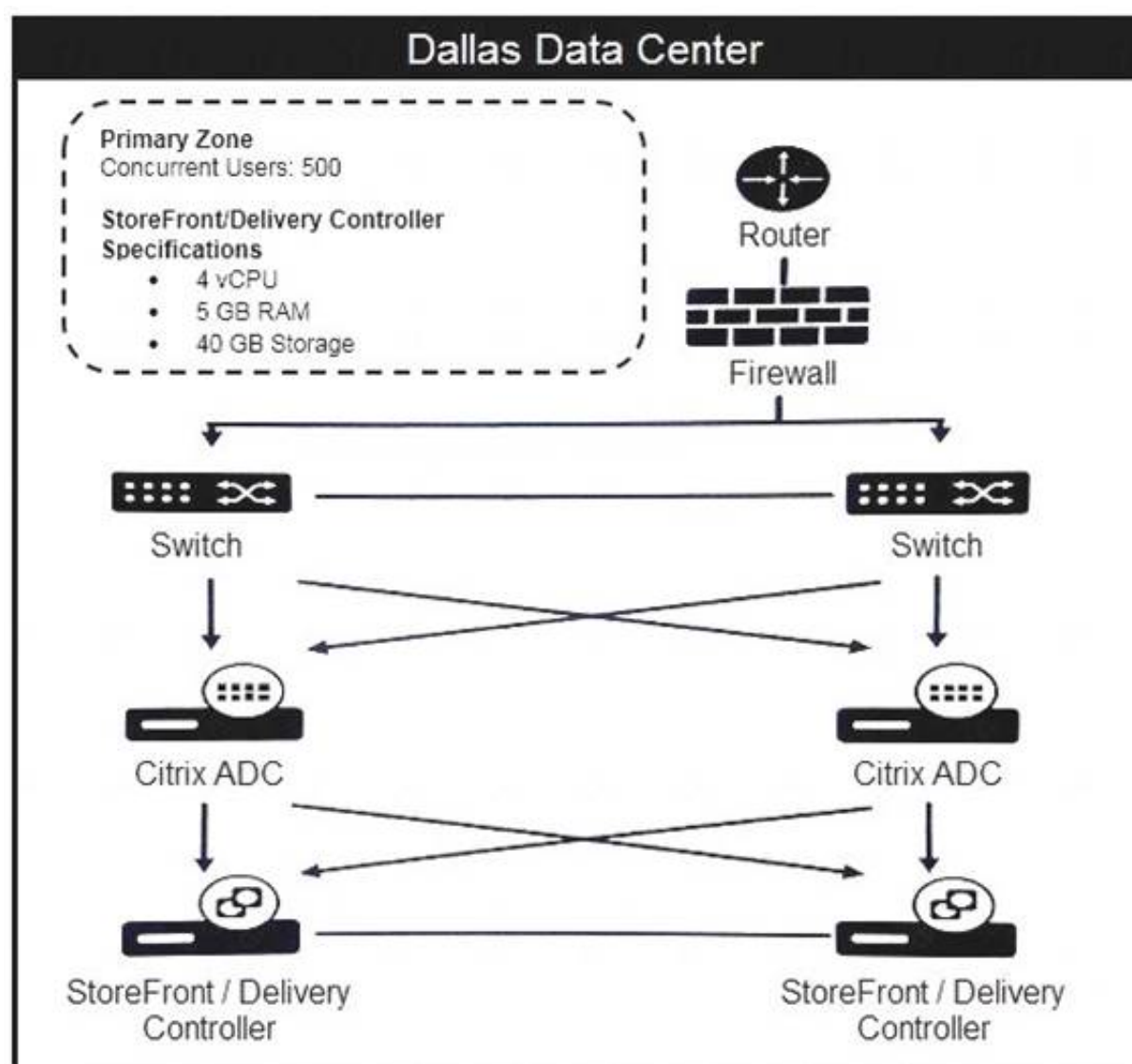
- A. Hybrid
- B. Mandatory
- C. Roaming
- D. Local

**Answer: B**

#### NEW QUESTION 78

Scenario: A Citrix Architect is designing a single-Site Citrix Virtual Apps and Desktops production environment. Through earlier design discussions, the architect has determined the environment details listed in the exhibit

Click the Exhibit button to view the details.



What should the architect change in the current environment to align with Citrix leading practices?

- A. The existing Delivery Controller and StoreFront servers should be allocated an additional 2 GB of RAM each.
- B. A Delivery Controller should be removed from the Site.
- C. A Delivery Controller should be added to the Site.
- D. The Delivery Controller and StoreFront roles should NOT be co-located on the same server.

E. The existing Delivery Controller and StoreFront servers should be allocated two additional CPUs each.

**Answer:** D

**Explanation:**

A would have been the answer if it provided enough RAM, but 7GB isn't enough to meet documentation requirements. "All core components on one server, for a test deployment or a small production environment 12 GB RAM" <https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/system-requirements.html>

**NEW QUESTION 79**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops 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 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 1 of the required applications. Click the Exhibit button to view the information.

Category	Detail
Application Name	Visual Studio
Description	The application is used to develop computer programs, websites, web apps, web services, and mobile apps.
Usage	The application will be used by developers working in the organization.
OS Compatibility	The application is compatible with the target operating systems.
Special Considerations	The users are internal and external contractors, third-party collaborators, and other provisional team members who do NOT require offline access to the application.  The application contains a number of Windows services.

The customer's security policies mandate that all development software must run within the corporate data center, but should appear to the user as if it is running locally on the virtual machine (VM).

How should the architect recommend deploying the application?

- A. Use Desktop OS machines to deliver VM hosted applications.
- B. Install it directly on the endpoint devices, and include it in a virtual desktop session using the Local App Access feature.
- C. Install it in an Application Layer using Citrix App Layering, then present it to users as an Elastic Layer during a virtual a virtual desktop session.
- D. Stream it to a VDA machine using Microsoft App-V, and access it through a virtual desktop session.
- E. Push it to users with a Workspace Environment Management (WEM) action option.

**Answer:** D

**NEW QUESTION 84**

Scenario: Currently, the user interface for a Citrix Apps and Desktops environment is presented in English, but a planned on-premises expansion in Poland will support 100 new users with a requirement to use all Polish interfaces.

Two constraints were identified by a Citrix Architect:

- > Network bandwidth is low and unstable.
- > Network latency is higher than 300 ms to the existing Site.

How should the architect deploy Citrix Virtual Apps and Desktops for these users?

- A. Install a StoreFront server in Poland.
- B. Implement Citrix Cloud Gateway in Europe.
- C. Add a Satellite Zone to the existing Site.
- D. Create a new Site in Poland.

**Answer:** D

**Explanation:**

<https://docs.citrix.com/en-us/xenapp-and-xendesktop/7-15-ltsr/manage-deployment/zones.html>

**NEW QUESTION 86**

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