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# 1Y0-403$^{Q\&As}$

Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configurations

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**QUESTION 1**

Scenario: A Citrix Architect is designing a new infrastructure that will use Citrix Virtual Apps and Desktops to deploy applications in New York, Chicago and Seattle data centers. All 3 data centers will be active simultaneously.

Which feature should the architect recommend to connect the remote users to the closest or best-performing data center?

A. Global Server Load Balancing

B. StoreFront Resource Aggregation

C. Zone Preference and Failover

D. Optimal Gateway Routing

Correct Answer: A

Reference: https://www.citrix.com/blogs/2014/03/29/xendesktop-gslb-dr-everything-you-think-you-know-isprobably-wrong/

**QUESTION 2**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops Service environment in Citrix Cloud. 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 | Workday |
| Description | Workday is an on-demand (web-based) financial management and human capital management application. |
| 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 | Users must be subscribed to the application.<br><br>To manage security, the application must be hosted and managed by another vendor and provided to the end user. |

The customer has the additional objective of minimizing authentication cycles for users with no configuration efforts on user machines.

How should the architect publish the application?

A. Through the Citrix Gateway Service as a Web/SaaS application

B. Through Citrix Gateway as a Web/SaaS application

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C. As a streamed application using Microsoft App-V

D. From Citrix Virtual Apps and Desktops Service

Correct Answer: D

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**QUESTION 3**

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: AC

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**QUESTION 4**

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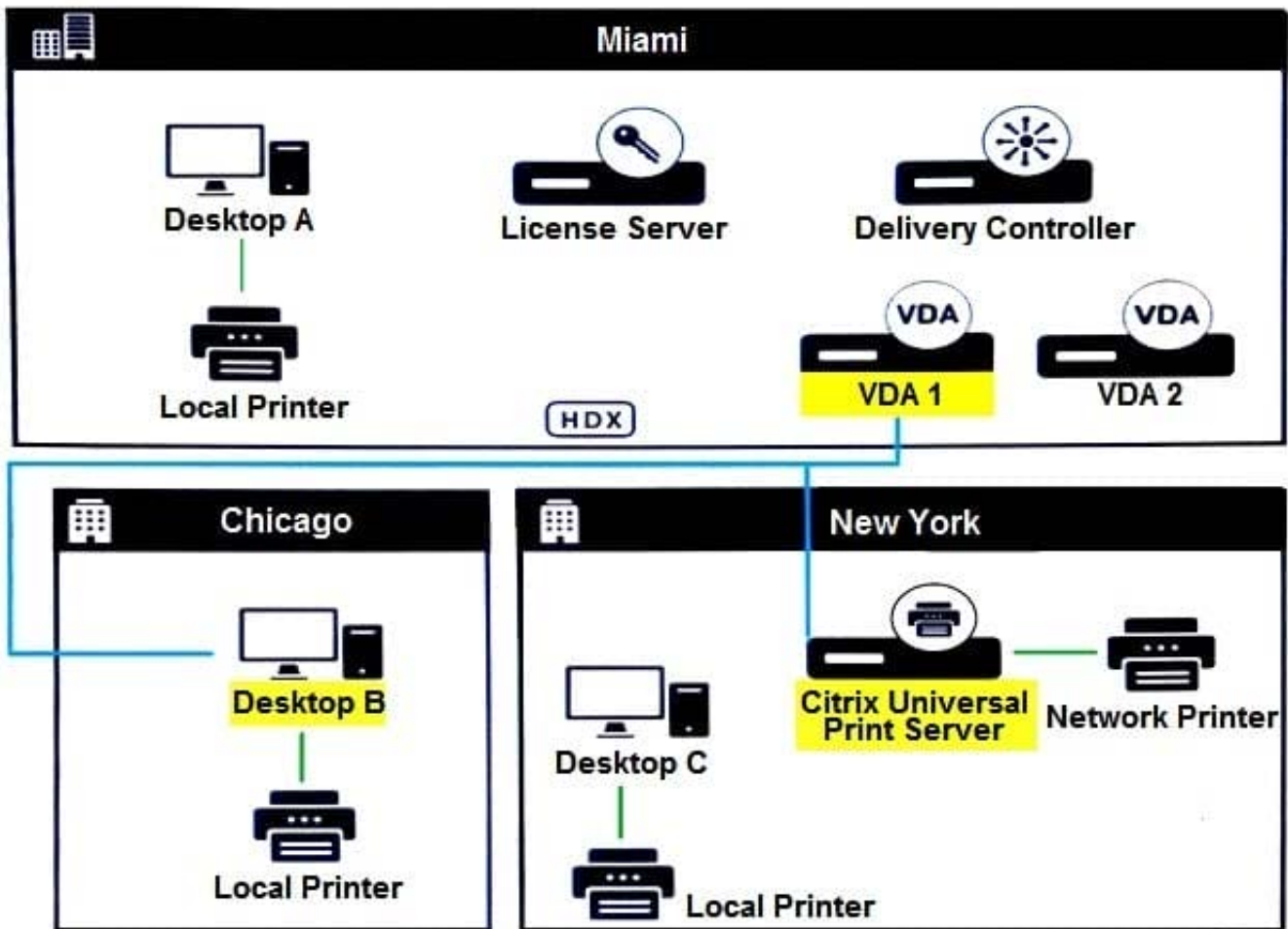
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What does the architect need to do to meet the printing requirements for the users in Chicago?

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

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 5**

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

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

**QUESTION 6**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. The design has a Primary Zone and 3 Satellite Zones. Each Satellite Zone has a number of Virtual Delivery Agent (VDA) machines that belong to a single Delivery Group spanning all 3 Satellite Zones.

Click the Exhibit button to view more details about the configuration.
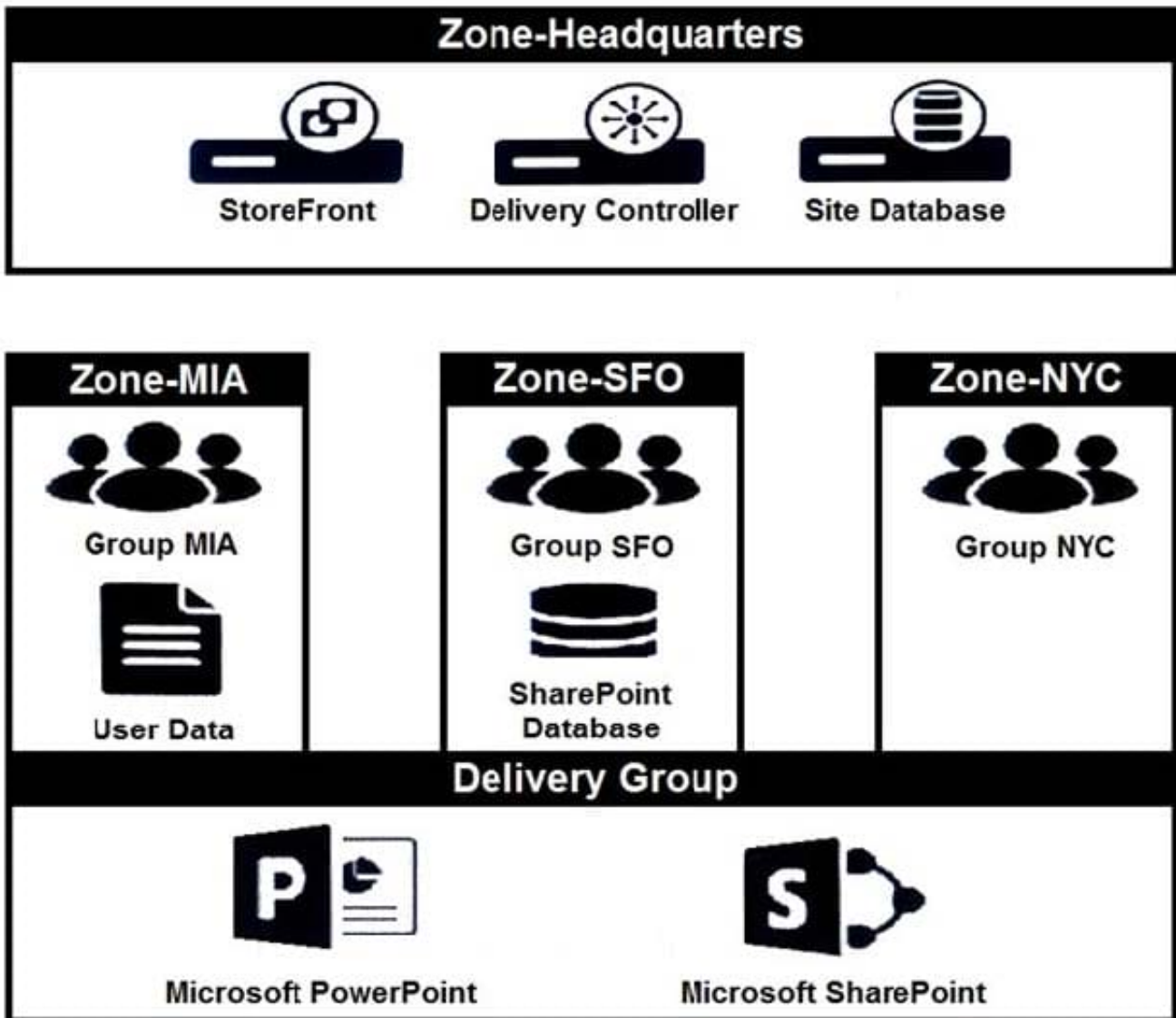
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How should the architect ensure that the SharePoint application has optimal performance for all user groups?

A. Use PowerShell to change the process priority to high for SharePoint within Zone-SFO.

B. Publish SharePoint in an individual Delivery Group within each zone.

C. Edit the application properties to set Zone-SFO as the Home Zone for SharePoint.

D. Edit the zone properties to only allow SharePoint to launch in Zone-SFO.

Correct Answer: C

Reference: https://docs.citrix.com/en-us/citrix-virtual-apps-desktops-service/manage-deployment/ zones.html#manage-home-zones-for-applications

**QUESTION 7**

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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

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**QUESTION 8**

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.<br><br>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.

Correct Answer: D

**QUESTION 9**

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.

Correct Answer: AB

**QUESTION 10**

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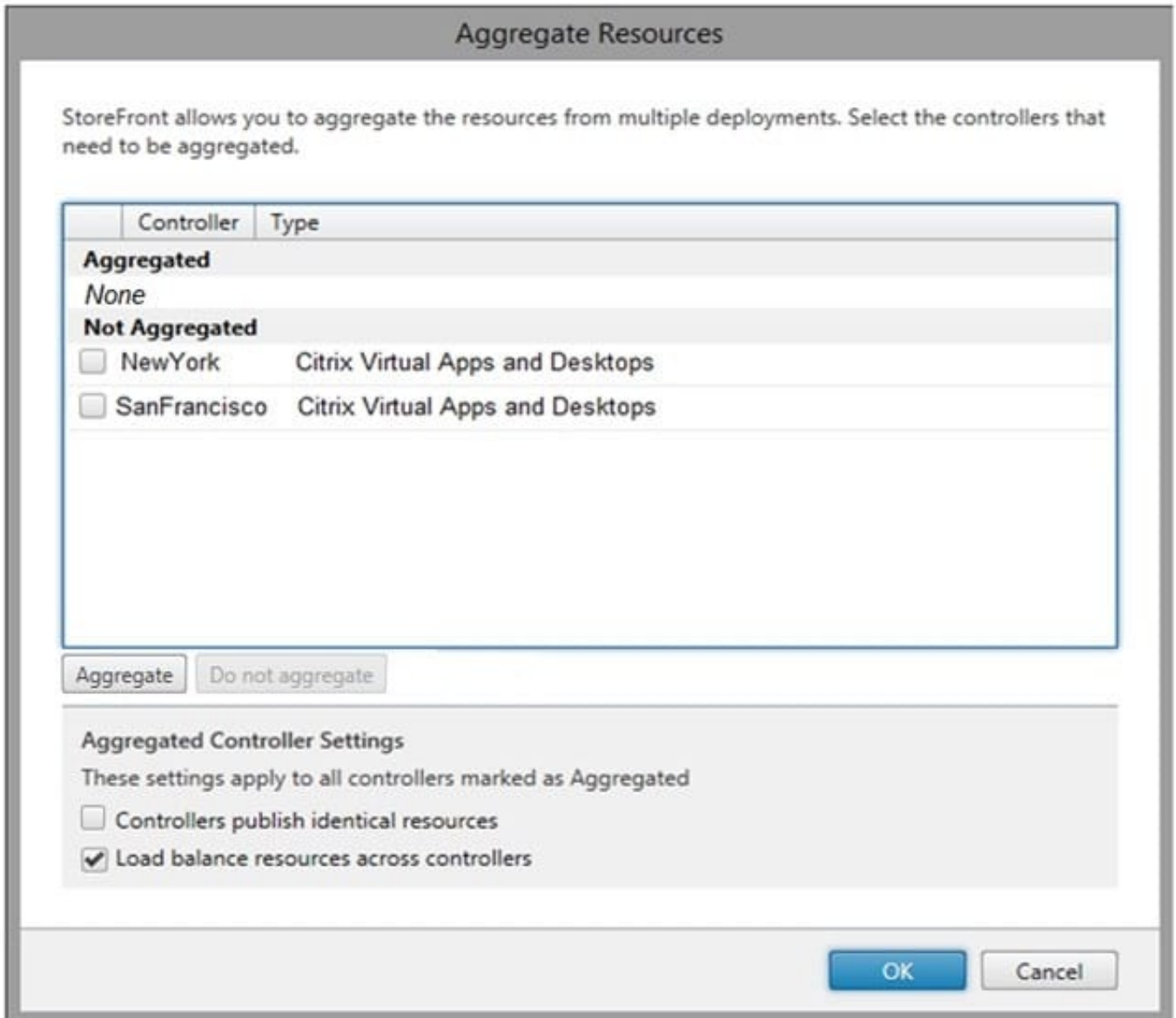
The customer has 3 requirements:

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.

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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; met

B. NOT met; NOT met; NOT met

C. NOT met; met; met

D. NOT met; met; NOT met

E. met; met; NOT met

F. met; NOT met; met

G. met; NOT met; NOT met

Correct Answer: G

**QUESTION 11**

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?

B. 1

C. 2

D. 8

Correct Answer: D

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

**QUESTION 12**

Scenario: A Citrix Architect is redesigning a Citrix Virtual Apps and Desktops environment to include Machine Creation Services (MCS). During design discussions, the locations for the MCS-provisioned thin clone machine disks are proposed as shown in the exhibit.

Click the Exhibit button to view the details.
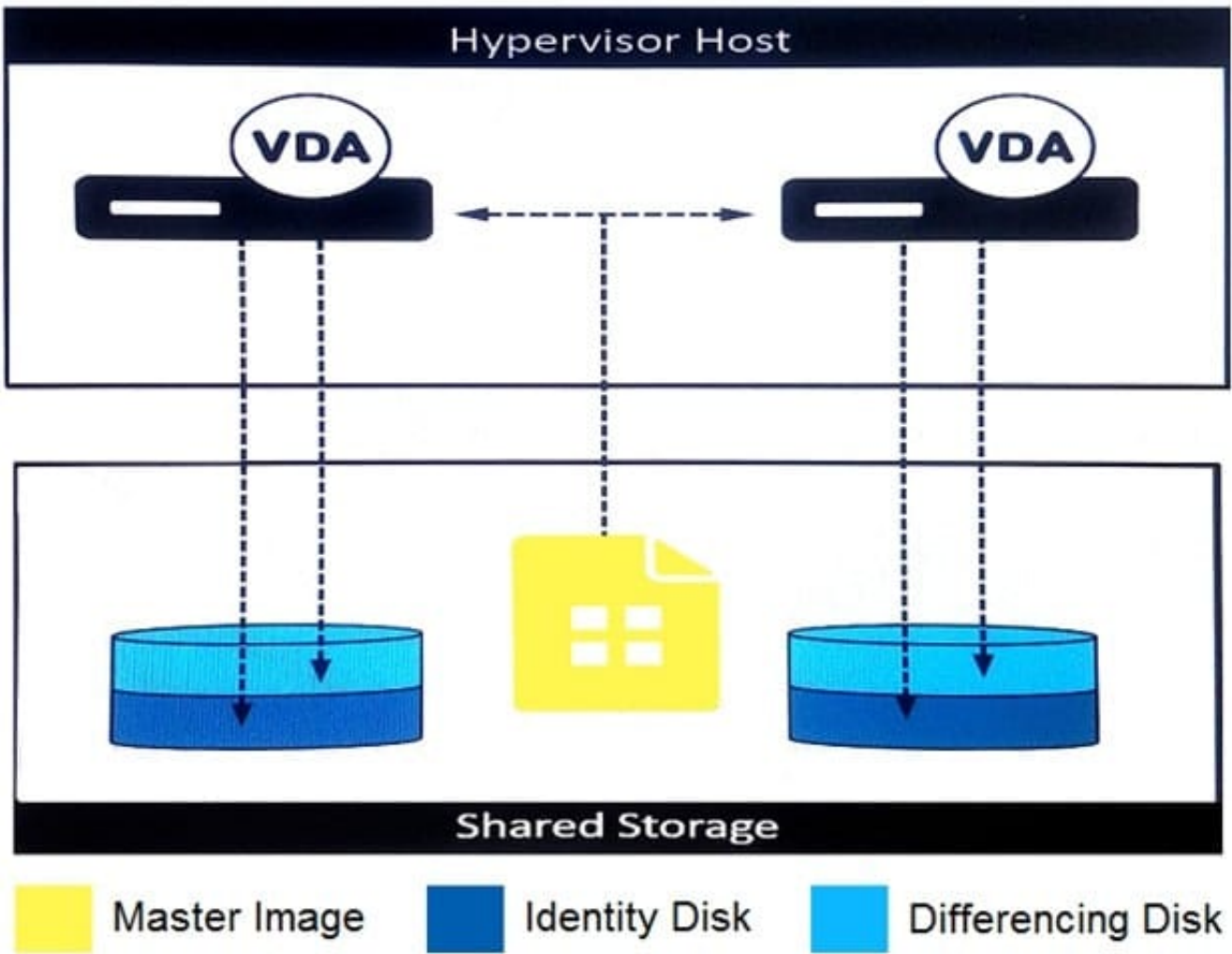
Which two potential issues should the architect address with the customer before proceeding with this configuration? (Choose two.)

A. It is limited to certain hypervisors.

B. It will require substantial write IOPS to the shared storage location as temporary data is written.

C. It is limited to NFS shared storage.

D. It will require substantial read IOPS from the shared storage location during machine creation and updates.

E. It will require more storage to be allocated on the virtual machine (VM) hosts compared with other options.

Correct Answer: DE

**QUESTION 13**

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.

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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

Correct Answer: B

Reference: https://docs.citrix.com/en-us/citrix-virtual-apps-desktops/graphics/hdx-3d-pro.html

**QUESTION 14**

Scenario: A Citrix Architect is designing a new Citrix Virtual Apps and Desktops environment. As part of the graphics-mode design considerations, the architect determined that one User Group requires pixel-perfect images at all times.

Which graphics mode should the architect recommend be configured for this specific group?

A. Visual quality = Always Lossless

B. Optimize for 3D graphics workload = Enabled

C. Optimize for 3D graphics workload = Disabled

D. Visual quality = Build to Lossless

Correct Answer: B

**QUESTION 15**

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.
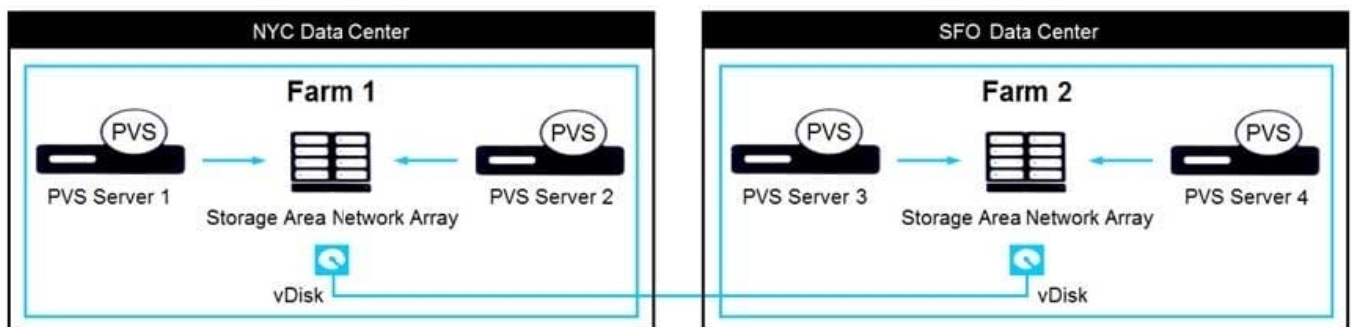


Overall, the customer has identified 3 objectives for the image-replication process:

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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

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