



# 2V0-51.23<sup>Q&As</sup>

VMware Horizon 8.x Professional

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### QUESTION 1

Which pre-requisite should be met before installing the Horizon Connection Server?

- A. The host system must be a vSphere VM with a static IP address.
- B. Use a domain user account with administrator privileges on the Horizon Connection Server.
- C. An SSL server certificate must be installed on the Horizon Connection Server.
- D. Install AD DS and AD LDS Tools on the Horizon Connection Server.

Correct Answer: B

Explanation: One of the prerequisites for installing the Horizon Connection Server is to use a domain user account with administrator privileges on the system. This is because the installer needs to access and modify certain system files and registry settings, as well as create and configure the VMware Horizon View services. The installer also authorizes an Administrators account that has full administration rights for the Horizon environment, including the right to install replicated Connection Server instances. The other options are not prerequisites for installing the Horizon Connection Server. The host system can be a physical or virtual machine, but it must have an IP address that does not change. An SSL server certificate is not required for the initial installation, but it is recommended to replace the default self-signed certificate with a valid certificate from a trusted CA after the installation. AD DS and AD LDS Tools are not required for installing the Horizon Connection Server, but they can be useful for troubleshooting and managing the ADAM database that stores the Horizon configuration data. References: Installation Prerequisites for Horizon Connection Server and [VMware Horizon

8.x Professional Course]

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### QUESTION 2

An administrator needs to deploy an application to specific users in their instant-clone desktop environment with the following characteristics:

The application needs to be updated very frequently.

The application needs to be installed as soon as possible.

The application is not multi-user aware.

Which solution would meet the requirements?

- A. VMware Horizon Published Application
- B. VMware Dynamic Environment Manager
- C. VMware ThinApp
- D. VMware App Volumes

Correct Answer: D

Explanation: VMware App Volumes is a real-time application delivery system that allows administrators to assign applications to users and groups in Horizon. App Volumes uses virtual disks called packages to store and deliver



applications.

When a user logs on to a desktop, the App Volumes agent attaches the assigned packages to the desktop and merges them with the OS disk. The user can then access the applications as if they were natively installed.

App Volumes is a suitable solution for deploying an application to specific users in an instant-clone desktop environment with the following characteristics:

The application needs to be updated very frequently: App Volumes allows administrators to update applications in real time by using the update or push- image operations. These operations replace the existing packages with new ones that

have the latest updates applied, without affecting the user data or settings. The updated packages are delivered to the users at the next login or refresh. The application needs to be installed as soon as possible: App Volumes allows

administrators to install applications quickly and easily by using a clean packaging system and capturing the application installation process. The resulting package can be assigned to users or groups immediately, without requiring any

recomposing or rebooting of the desktops.

The application is not multi-user aware: App Volumes allows administrators to deliver applications that are not multi-user aware by using writable volumes. Writable volumes are user-specific virtual disks that store user-installed applications,

data, and settings. Writable volumes can be attached to desktops along with application packages, and they can isolate the user-installed applications from the system-installed applications. The other options are not suitable for meeting the

requirements:

VMware Horizon Published Application: This option allows administrators to publish applications from RDS hosts to users in Horizon. However, this option requires a separate RDS infrastructure and licensing, and it does not support instant

updates or writable volumes for user-installed applications. VMware Dynamic Environment Manager: This option allows administrators to manage user profiles and policies in Horizon. However, this option does not deliver or update

applications, and it does not support writable volumes for user-installed applications.

VMware ThinApp: This option allows administrators to package applications into portable executables that can run on any Windows system without installation. However, this option requires a separate packaging process and licensing, and it

does not support instant updates or writable volumes for user-installed applications.

References: App Volumes Architecture, Updating Applications in Real Time, Writable Volumes Overview, and [VMware Horizon 8.x Professional Course]

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### QUESTION 3

Refer to the exhibit.

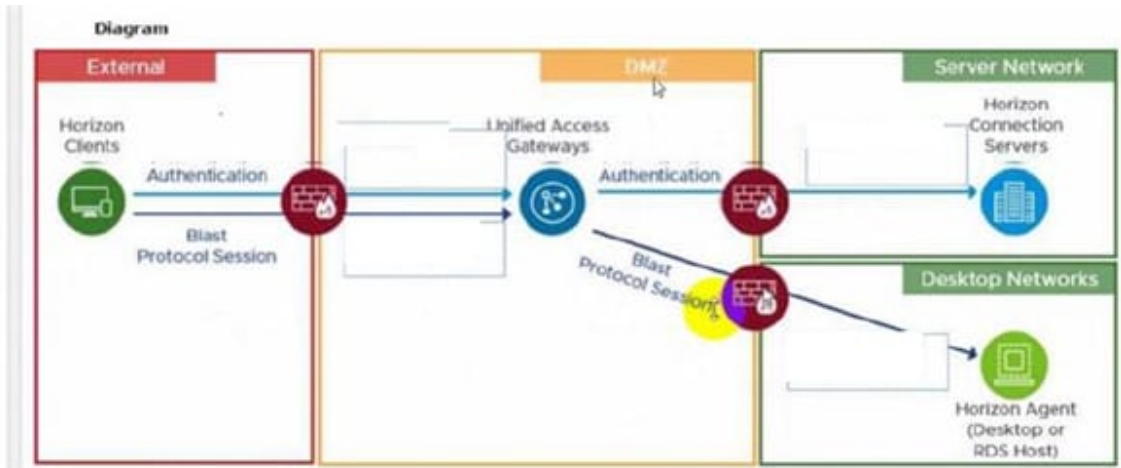
Drag and drop the ports on the left to allow an external Blast Extreme connection through Unified Access Gateway (UAG) into the diagram on the right.

Select and Place:



Ports

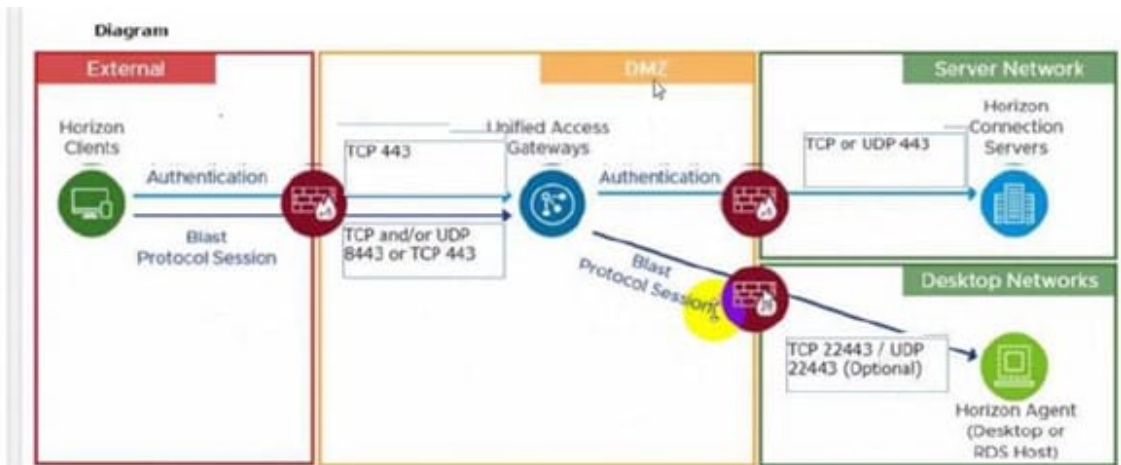
- TCP 22443 / UDP 22443 (Optional)
- TCP 443
- TCP 443
- TCP and/or UDP 8443 or TCP 443
- TCP or UDP 443



Correct Answer:

Ports

- 
- 
- TCP 443
- 
- 



C:\Users\Waqas Shahid\Desktop\Mudassir\Untitled.jpg

**QUESTION 4**

An administrator wants to deploy a RDS farm which can be patched in a rolling process with zero downtime. Which of the following statements is true in this scenario?

- A. This cannot be done as updating a Farm always incurs downtime.
- B. Create an instant-clone RDS desktop farm.
- C. Create a manual RDS desktop farm.
- D. Nothing needs to be done. All RDS farms can be patched in a rolling process with zero downtime.

Correct Answer: B

Explanation: Instant clones are a type of virtual machines that are created by cloning a running parent VM in memory,



without requiring a full disk copy. This allows for faster provisioning and updating of RDS hosts in a farm. Instant clones can be patched in a rolling process with zero downtime by using the push-image operation, which replaces the existing instant clones with new ones that have the latest patches applied. The push-image operation can be performed on a per-farm basis or on multiple farms at once. The push-image operation preserves the user sessions and data on the existing instant clones until they are logged off or disconnected, and then deletes them. The new instant clones inherit the same settings and assignments as the old ones. Therefore, to deploy a RDS farm that can be patched in a rolling process with zero downtime, the administrator should create an instant-clone RDS desktop farm. References: Instant Clones for RDSH in VMware Horizon 7.1 and [VMware Horizon 8.x Professional Course]

## QUESTION 5

An administrator is creating an instant clone desktop pool and needs to enable NVIDIA GRID 3D Rendering. NVIDIA GRID vGPU and drivers are installed on the physical ESXi hosts.

In Horizon Console, when creating an instant-clone pool, the NVIDIA GRID vGPU option is not available in the 3D Render field.

Which two of the following could be the reason for the issue? (Choose two.)

- A. Horizon 8 does not have an explicit 3D renderer option for instant clone. Select Manage Using vSphere Client in the 3D Render field. Instant-clones inherit the settings configured in the vSphere Client for the golden image.
- B. In Horizon Console, when an instant-clone pool is created, the golden image and snapshot that the administrator selected has not been configured for NVIDIA GRID vGPU.
- C. The administrator has selected Shared when editing the Host Graphics Settings for the ESXi host in the vCenter Server.
- D. Instant-clone pools do not support NVIDIA GRID vGPU.
- E. The administrator has selected Shared Direct when editing the Host Graphics Settings for the ESXi host in the vCenter Server.

Correct Answer: AB

Explanation: To enable an instant-clone pool to use NVIDIA GRID vGPU, the administrator needs to do the following:

Install NVIDIA GRID vGPU in the physical ESXi hosts and select Shared Direct in the Host Graphics Settings<sup>12</sup>.

Prepare a golden image with NVIDIA GRID vGPU configured, including selecting the vGPU profile to use<sup>12</sup>.

Take a snapshot of the golden image<sup>12</sup>.

In Horizon Console, when creating an instant-clone pool, select Manage Using vSphere Client in the 3D Render field. Instant-clones inherit the settings configured in the vSphere Client for the golden image<sup>12</sup>.

Therefore, the possible reasons for the issue are:

The administrator has selected Shared instead of Shared Direct when editing the Host Graphics Settings for the ESXi host in the vCenter Server. This option is for vSGA, not vGPU<sup>3</sup>.

The golden image and snapshot that the administrator selected has not been configured for NVIDIA GRID vGPU. The administrator needs to verify that the correct vGPU profile is selected and that the NVIDIA drivers are installed in the golden image<sup>4</sup>.



The other options are not valid because:

Horizon 8 does have an explicit 3D renderer option for instant clone, but it is Manage Using vSphere Client, not NVIDIA GRID vGPU12. Instant-clone pools do support NVIDIA GRID vGPU as long as the ESXi hosts and the golden image are

properly configured12.

References := 1: VMware Horizon 8 Documentation: Enable NVIDIA GRID vGPU for Instant-Clone Pools 2: VMware Horizon 8 Documentation: Configuring 3D Rendering for Automated Instant Clone Farms 3: VMware Horizon 8

Documentation: Types of Graphics Acceleration 4: VMware Horizon 8 Documentation: Prepare a Virtual Machine to Use Accelerated 3D Graphics

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