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

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Question #51 Section 1

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

Answer: E

Question #52 Section 1

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%\

Answer: C

Question #53 Section 1

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)

Answer: D

Question #54 Section 1

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.

Answer: B

Question #55 Section 1

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: AB

Reference:

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

Question #56 Section 1

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

Answer: D

Reference:

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

Question #57 Section 1

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"> • Contacts • Desktop • Downloads • Favorites • My Documents 	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"> • Contacts • Desktop • Favorites • My Documents • My Pictures • My Videos 	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: A

Reference:

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

Question #58 Section 1

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 well-defined 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

Answer: A

Question #59 Section 1

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

Question #60 Section 1

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.

Answer: B

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