

DUMPS ARENA

Nutanix Certified Professional - End User Computing (NCP-EUC) v6 Exam

Nutanix NCP-EUC

Version Demo

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QUESTION NO: 1

A company is using Citrix for virtual desktops on Nutanix with AHV. The studio has 10,000 users who will be connecting to this infrastructure and have deployed a dedicated Files cluster for holding the user home shares.

Since this is a dedicated cluster with dual Intel 6242 28 GHz 16 Core processors and 192GB of RAM, what should be done for the FSVM and

CVM configuration to allow for optimal performance?

- A. Increase the CVM vCPUs to 16 and the FSW vCPUs to 12.
- B. Increase the CVM RAM to 64GB and the FSVM RAM to 96GB.
- C. Leave the CVM vCPUs et 12 and increase the FSVM vCPUs to 8,
- D. Leave the CVM RAM at 32GB and increase the FSVM RAM to 96GB.

ANSWER: D**Explanation:**

<https://portal.nutanix.com/page/documents/solutions/details?targetId=TN-2041-Nutanix-Files:file-server-virtual-machines.html>

<https://next.nutanix.com/files-storage-71/command-line-access-to-nutanix-file-server-vm-fsvm-via-ssh-nutanix-files-33420>

The file server VM (FSVM) is a virtual machine that runs on Nutanix Files and provides file services such as SMB shares and NFS exports. The FSVM is based on CentOS and incorporates all the security and hardening that goes into the Nutanix Controller VM (CVM)². The CVM is a virtual machine that runs on each node of a Nutanix cluster and provides storage management, data protection, cluster coordination, and other services³.

The FSVMs have some default configuration settings that can be changed depending on your workload requirements. For example, you can change the number of vCPUs, RAM, network interfaces, or disk size of an FSVM². However, you should not change these settings without consulting Nutanix Support first.

One of the factors that affects the performance of an FSVM is its memory allocation. The more memory an FSVM has, the more cache it can use for file operations. This can improve the throughput and latency of file serving workloads⁴. Therefore, increasing the FSVM RAM to 96GB can help optimize its performance for a large number of users.

QUESTION NO: 2

What are two primary purposes of a Frame utility Server? (Choose two.)

- A. Backend for a client-server application
- B. shared file server
- C. Test and develop virtual desktops.
- D. A server that monitors virtual desktop usage

ANSWER: A B

Explanation:

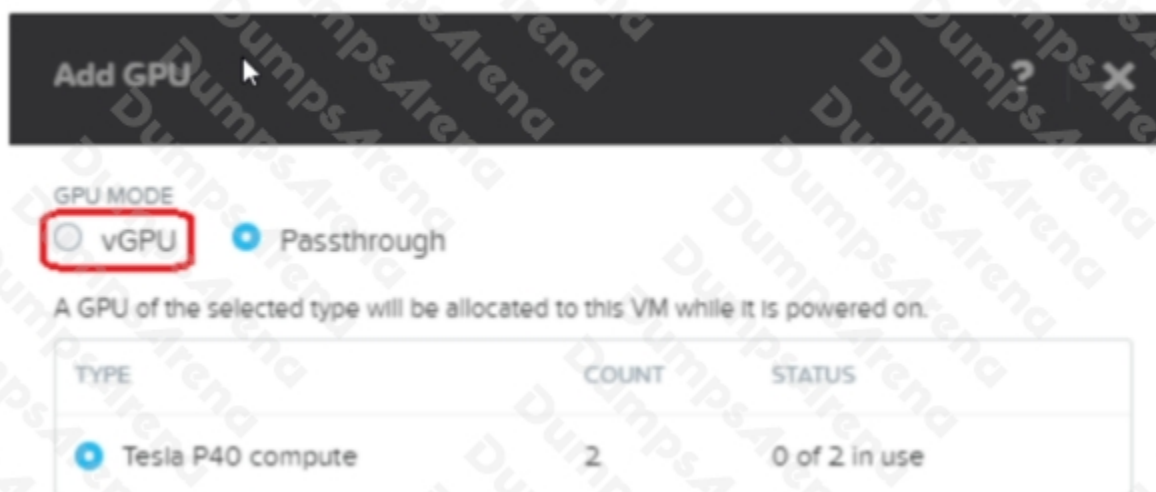
Frame utility server is a stand-alone, general purpose Windows server that can be helpful for a variety of use cases, including:

<https://docs.frame.nutanix.com/platform/admin/utility-servers/>

QUESTION NO: 3

Refer to the exhibit.

Refer to the exhibit.



An administrator is configuring a virtual desktop gold master image with P40 NVIDIA vGPU. upon trying to add a vCPU assignment in Prism Element, the administrator noticed that it is not selectable and cannot proceed.

Which two actions are correct steps to resolve this issue? (Choose two.)

- A. Install the NVIDIA GPU drivers on the Gold Master.
- B. Disable ECC by running `nvidia-smi -e 0`.
- C. Install the NVIDIA GPU Manager Driver.
- D. Check if ECC Mode is turned on by running `nvidia-smi -q | grep "ECC Mode" -A2`

ANSWER: B D

Explanation:

ECC (Error Correcting Code) mode is a feature of some NVIDIA GPUs that provides error detection and correction for memory errors. [However, ECC mode can interfere with vGPU functionality and prevent vGPU-enabled VMs from being](#)

[created or started](#)1. Therefore, two correct steps to resolve this issue are B (Disable ECC by running `nvidia-smi -e 0`) and D (Check if ECC Mode is turned on by running `nvidia-smi -q | grep "ECC Mode" -A2`).

<https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e000000LKjOCAW>

QUESTION NO: 4

A company has deployed Horizon on a Nutanix cluster running the ESXi hypervisor. They are starting the configuration for the deployment of 1000 virtual desktops running Windows 10 in a Linked Clone Desktop Pool.

The company has these requirements:

- Reduced time for initial virtual desktop deployment
- Fast recompose time when updating the pool with patches and new application installs
- Provide a high level of availability to the pool

What should the company enable, that will allow this Nutanix VDI implementation to meet the stated requirements?

- A. VM disk space reclamation
- B. View Storage Accelerator
- C. View Composer API for Array Integration
- D. Separate datastores for replicas and clones

ANSWER: C

Explanation:

[View Composer API for Array Integration \(VCAI\)](#) is a feature of VMware Horizon that leverages the native cloning abilities in the storage array to offload storage operations within a VMware View environment¹². This feature allows customers to offload the creation of linked clones to the storage array³.

QUESTION NO: 5

An administrator has created a Prism Central Playbook Action named Virtual Desktop Add CPU to add 2 vCPU to virtual desktop when an alert is triggered after the virtual desktop's CPU usage has exceeded 80%. Initially the Playbook Action works as expected, however over time it seems it is no longer being triggered.

What is causing this issue?

- A. The virtual desktop CPU Usage alerts were not cleared.
- B. The vNUMA boundary has been breached preventing more vCPUs to be added.
- C. There are no more CPUs available to allocate to the VM.
- D. Additional vCPUs need to be registered.

ANSWER: A**Explanation:**

<https://next.nutanix.com/community-blog-154/new-x-play-actions-in-prism-central-2021-7-40005>

The Prism Central Playbook Action is a tool that allows you to automate tasks based on triggers, such as events, alerts, or webhooks. You can define a series of actions (called a playbook) that perform operations on your infrastructure, such as adding or reducing resources on a VM².

To use the Playbook Action for VMs, you need to meet some prerequisites, such as:

One of the possible reasons why the Playbook Action is no longer being triggered is that the virtual desktop CPU Usage alerts were not cleared. According to the Prism Central guide³, "If an alert has been triggered once and has not been cleared yet, then it will not trigger any action again until it has been cleared". Therefore, if the CPU Usage alert remains active for a virtual desktop, it will prevent the Playbook Action from adding more vCPUs to it.

QUESTION NO: 6

A company has decided to use Citrix Optimizer tool to prepare their gold image.

Which two actions does Optimizer take to improve the gold image creation process? (Choose two.)

- A. Optimizes storage capacity usage.
- B. Optimizes user environments for better performance
- C. uses built-in templates to perform optimizations.
- D. Applies best practices for securing virtual desktops.

ANSWER: B C**Explanation:**

The Citrix Optimizer tool is used to prepare Windows operating system images for use in a virtual desktop environment. Some of the actions that it takes to improve the gold image creation process include:

<https://support.citrix.com/article/CTX224676/citrix-optimizer-tool>

<https://docs.citrix.com/en-us/workspace-environment-management/service/using-environment-management/system-optimization/citrix-optimizer.html>

QUESTION NO: 7

An administrator received a report that users are being disconnected from their sessions consistently after 10 minutes. The administrator suspects the gold image is incorrectly configured,

Which action should the administrator take to resolve this issue?

- A. Disable the monitor power saving settings.
- B. Sysprep the gold image with the CopyProfile set to True.

- C. Disable hard drive power saving settings.
- D. Uninstall and remove the Windows Store applications.

ANSWER: B

Explanation:

[gold image is a term used to describe a template for a virtual machine \(VM\) that contains a preconfigured operating system and applications¹. A gold image can be used to create multiple session hosts that share the same configuration¹. However, a gold image needs to be properly prepared before being used as a template¹²³.](#)

One of the steps involved in preparing a gold image is to run sysprep on the VM. [Sysprep is a tool that removes system-specific data such as computer name, security identifier \(SID\), and driver cache from Windows²³](#). This allows the VM to be generalized and duplicated without causing conflicts or errors²³.

One of the options that can be set when running sysprep is CopyProfile. CopyProfile is a setting that determines whether the user profile settings of the built-in administrator account are copied to the default user profile². The default user profile is used as a template for creating new user profiles on Windows². If CopyProfile is set to True, then any changes made by the administrator account (such as desktop wallpaper, screen saver, Start menu items, etc.) will be applied to all new user profiles².

Therefore, if users are being disconnected from their sessions consistently after 10 minutes, it could be because the gold image has some incorrect settings in the default user profile that cause session timeout or termination. To resolve this issue, one possible solution is to sysprep the gold image with CopyProfile set to True, and make sure that there are no settings in the administrator account that could affect session stability (such as power saving options or Windows Store applications)².

QUESTION NO: 8

During initial testing of a new VDI deployment, users are complaining that they are not seeing the performance increase that was seen during the POC phase of the project.

The POC deployment was tested on an NX line of nodes with AHV as the hypervisor. After the test, the customer has decided to move forward with a production deployment using Dell XC nodes with ESXi as the hypervisor.

Which two actions must be taken based on the hypervisor and node model change? (Choose two.)

- A. Disable the C-states.
- B. Configure Video Drivers
- C. Change power Management
- D. Update Network Drivers

ANSWER: A D

Explanation:

one of the possible causes of poor performance in a VDI deployment is power management, which can affect CPU frequency and performance. Therefore, it is recommended to disable any power saving features on the BIOS level, such as C-states and P-states.

Another possible cause of poor performance is network configuration, which can affect network throughput and latency. [Therefore, it is recommended to update network drivers and firmware on the Dell XC nodes with ESXi23](#), and ensure that they are compatible with Nutanix software.

QUESTION NO: 9

What are the two types Of Launchpads that exist in Frame? (Choose two.)

- A. Application Launchpad
- B. user Launchpad
- C. Desktop Launchpad
- D. VDI Launchpad

ANSWER: A C

Explanation:

There are two types of Launchpads that exist in Frame: Application Launchpad and Desktop Launchpad².

<https://www.nutanix.com/blog/work-from-home-anywhere-in-five-easy-steps>

QUESTION NO: 10

An administrator has been given a new support role for a group of 1000 users, which are all running Windows 10 Linked Clone virtual desktops,

The administrator learns quickly that the environment has been undersized with constant complaints from the user community around running out of storage. The administrator further discovers that the environment is memory constrained.

Which feature should the administrator enable to help relieve the capacity issue?

- A. Auto-tiering
- B. Erasure Coding
- C. Compression
- D. Deduplication

ANSWER: D

Explanation:

Deduplication is a process that eliminates duplicate data blocks and reduces the amount of storage space required for virtual desktops. Deduplication can be enabled at both cluster level and container level on Nutanix.

Deduplication can also work with VCAI (View Composer Array Integration), which is a feature that uses Nutanix native NFS snapshot technology to clone VMs². VCAI can improve performance and reduce storage consumption for linked-clone desktop pools.

Another feature that can help with capacity issue is Shadow Clones, which is a distributed caching mechanism that allows multiple VMs to read from a single vDisk copy stored locally on each node³. Shadow Clones can reduce network traffic and improve boot times for virtual desktops.

<https://www.nutanix.com/support-services/training-certification/certifications/certification-details-nutanix-certified-professional-ncp-euc-v6>