# NUTANIX CERTIFIED ASSOCIATE PRACTICE EXAM (SAMPLE)

## STUDY GUIDE



## SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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# Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

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# How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

### 1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

### 2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

### 3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

### 4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

### 5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

### 6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

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# Questions

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1. **What action should be taken to improve the performance of VDI desktops in a Nutanix environment with high utilization rates?**

   A. Add CPU resources to the cluster

   B. Increase the amount of SSD storage in the cluster

   C. Add memory to the nodes in the cluster

   D. Increase the number of vCPU cores allocated to the CVM

2. **Which icon should the administrator select to access the Prism REST API Explorer from the web console?**

   A. Admin Icon

   B. User Icon

   C. Settings Icon

   D. Dashboard Icon

3. **What concept in the Distributed Storage Fabric explains the periodic increase and drop in SSD utilization during a data migration?**

   A. Data Path Resiliency

   B. Data Convergence

   C. Storage Efficiency

   D. I/O Awareness

4. **Which component of the Distributed Storage Fabric does sequential write I/O first enter?**

   A. Cache Store

   B. Extent Store

   C. Data Store

   D. Storage Pool

5. **Why might a VM not restart as expected after a host reboots in an all-AHV environment?**

   A. The VM was encrypted and failed to decrypt

   B. The affinity for the VM is set for only the host that is rebooted

   C. The VM's resources were insufficient after migration

   D. The VM configuration was corrupted during the reboot process

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**6. What is the recommended deployment method for Prism Central in a multi-cluster environment exceeding 2550?**

A. Deploy a small 3-VM Prism Central instance

B. Deploy a small 1-VM Prism Central instance

C. Deploy a large 1-VM Prism Central instance

D. Deploy a large 3-VM Prism Central instance

**7. What action can help restore normal operations in a Nutanix cluster after a block power failure?**

A. Resetting the cluster credentials

B. Restoring the cluster from backup

C. Allowing the affected VMs to restart

D. Reconfiguring the block settings

**8. Which Nutanix product integrates the Distributed Storage Fabric and App Mobility Fabric?**

A. Prism

B. Acropolis

C. Calm

D. Flow

**9. What is Nutanix Guest Tools (NGT)?**

A. A Prism Element feature that allows you to create temporary logins for users.

B. An upgrade to Prism Pro that enables advanced VM creation functionality.

C. An in-guest agent framework that enables advanced VM management functionality.

D. A collection of browser-based plugins that you can download to unlock advanced features in Prism.

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**10. When troubleshooting network issues based on various alerts, what should the administrator assess first to prioritize the problems?**

A. Review Alerts page for NIC speed alerts and alert timing - Analyze the genesis.out log file for process failures - Assess the NIC properties in the Network Visualization > Host Properties page.

B. Verify Host/CVM connectivity on the Network Visualization page - Use to verify the bridge and bond configuration - Review alerts/events page for the CVM disconnected error.

C. Access the Hardware Page to verify resources are available - Analyze all CVM Speed Alerts in the Alerts/Events page - Analyze output for the network and interface properties and connectivity.

D. Check the System Logs for overall performance issues and potential host resource problems.

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# Answers

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1. A
2. B
3. A
4. B
5. B
6. D
7. C
8. B
9. C
10. B

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# Explanations

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**1. What action should be taken to improve the performance of VDI desktops in a Nutanix environment with high utilization rates?**

A. Add CPU resources to the cluster

B. Increase the amount of SSD storage in the cluster

C. Add memory to the nodes in the cluster

D. Increase the number of vCPU cores allocated to the CVM

*To improve the performance of Virtual Desktop Infrastructure (VDI) desktops in a Nutanix environment experiencing high utilization rates, adding CPU resources to the cluster is an effective approach. High utilization often indicates that the current CPU resources may be insufficient to handle the demands of VDI workloads. By increasing the number of CPU cores or the overall CPU capacity in the cluster, you can enhance the processing power available for these workloads, which leads to better responsiveness and reduced latency for users. Enhancing CPU resources directly addresses bottlenecks that can occur at the processing level, allowing for more simultaneous operations, faster execution of tasks, and improved overall system performance under load. This is particularly crucial for VDI environments, where user experience is heavily reliant on the performance of virtual desktops. The other options, while they may also contribute to overall system performance, do not specifically target the key bottleneck that high CPU utilization indicates. For instance, increasing SSD storage can help with data retrieval speeds but may not resolve CPU contention issues. Similarly, adding memory can support applications that require more RAM but may not alleviate CPU-related slowdowns. Lastly, increasing vCPU cores allocated to the Controller Virtual Machine (CVM) can be beneficial, but focusing on the cluster's overall CPU resources is*

**2. Which icon should the administrator select to access the Prism REST API Explorer from the web console?**

A. Admin Icon

B. User Icon

C. Settings Icon

D. Dashboard Icon

*To access the Prism REST API Explorer from the web console, selecting the User Icon is the correct choice. The User Icon is typically where users can find personal options, including accessing different features that pertain specifically to their user role and permissions. Within the context of Nutanix's management interface, this icon is designed to offer easy access to user-specific functionalities, which includes the REST API Explorer, a tool that allows developers and administrators to interact with the Nutanix platform programmatically. The other icons present different functionalities. The Admin Icon generally provides administrative controls and access to high-level management settings, while the Settings Icon is typically used to adjust configurations for the environment. The Dashboard Icon, on the other hand, takes users to the main overview of system performance and metrics. Thus, the User Icon is specifically tailored for individual user access, making it the correct choice for accessing the Prism REST API Explorer.*

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## 3. What concept in the Distributed Storage Fabric explains the periodic increase and drop in SSD utilization during a data migration?

A. Data Path Resiliency

B. Data Convergence

C. Storage Efficiency

D. I/O Awareness

*The concept in the Distributed Storage Fabric that accounts for the periodic increase and drop in SSD utilization during a data migration is best captured by I/O Awareness. This concept is related to how the system handles input/output operations efficiently during processes such as data migration or data movement between storage tiers. I/O Awareness allows the storage system to monitor and adapt to changes in I/O load. During a data migration, the storage fabric adjusts its operations to optimize the performance, taking into consideration the current workload and how it impacts the utilization of SSDs. This leads to periods of increased activity (where more data is being migrated) followed by moments of reduced activity (where the system might be handling background tasks or balancing load across resources). By dynamically managing data movement and balancing the load on SSDs, the Distributed Storage Fabric ensures that both performance and efficiency are maintained, resulting in varied SSD utilization. This is crucial for achieving optimal performance in a virtualized environment like Nutanix, where resources need to be managed fluidly to accommodate changing demands. In contrast, while other options mention aspects of storage functionality, they do not specifically address the behavior of utilization during migrations in the context of diverse I/O operations.*

## 4. Which component of the Distributed Storage Fabric does sequential write I/O first enter?

A. Cache Store

B. Extent Store

C. Data Store

D. Storage Pool

*Sequential write I/O first enters the Extent Store within the Distributed Storage Fabric. The Extent Store is responsible for managing the underlying data blocks that compose the storage. When a sequential write operation is initiated, the data is organized into extents, which are the fundamental units of data storage in the Nutanix architecture. This component is specifically designed to handle the efficient writing of data. Since the Extent Store manages both the allocation and the organization of these data blocks, it plays a crucial role in optimizing performance for sequential write operations. By entering the Extent Store directly, the data can be prepared and positioned for subsequent accesses, ensuring that performance remains high as the data is subsequently processed or retrieved. In contrast, the other components—like the Cache Store, Data Store, and Storage Pool—serve different roles in the overall architecture and are not the primary entry point for sequential writes. The Cache Store, for example, is designed for handling hot data and frequently accessed information rather than initiating write operations.*

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## 5. Why might a VM not restart as expected after a host reboots in an all-AHV environment?

A. The VM was encrypted and failed to decrypt

B. The affinity for the VM is set for only the host that is rebooted

C. The VM's resources were insufficient after migration

D. The VM configuration was corrupted during the reboot process

*Choosing the option regarding VM affinity settings is appropriate because it addresses a fundamental aspect of how virtual machines (VMs) are managed in an AHV (Acropolis Hypervisor) environment. When a VM is deployed with an affinity rule, it is specified to run only on certain host(s) in the cluster. If the VM has an affinity for a host that is currently being rebooted, it will not be able to restart since its designated host is unavailable. In an AHV environment, if all the resources of a VM are tied to a specific host that is down, the system cannot dynamically relocate the VM to another host due to that affinity setting. This situation results in the inability of the VM to power on until the host is back online and fully operational, thus preventing the VM from restarting as expected. Understanding the implications of affinity rules is crucial, as they dictate how VMs are distributed across hosts, balancing load and ensuring performance. This option underscores the importance of considering affinity settings when troubleshooting VM restart issues post-host reboots.*

## 6. What is the recommended deployment method for Prism Central in a multi-cluster environment exceeding 2550?

A. Deploy a small 3-VM Prism Central instance

B. Deploy a small 1-VM Prism Central instance

C. Deploy a large 1-VM Prism Central instance

D. Deploy a large 3-VM Prism Central instance

*In a multi-cluster environment that exceeds 2550 nodes, deploying a large 3-VM Prism Central instance is recommended because this configuration offers high availability and scalability, which are crucial for managing multiple clusters effectively. A large 3-VM setup ensures that Prism Central can handle increased workloads and provide load balancing across the three VMs. This distribution enhances the performance of management tasks and allows for redundancy. If one VM becomes unavailable for any reason, the other two VMs can continue to function, minimizing the risk of a single point of failure. Moreover, having three VMs allows for better data processing and management across the clusters, facilitating tasks such as analytics, monitoring, and reporting. It ensures that the management plane remains responsive, especially as the number of managed clusters grows. This additional capacity is essential for environments that require extensive management capabilities. In contrast, smaller configurations, like a 1-VM instance or even a smaller 3-VM instance, may not provide the necessary resources or reliability for such a large-scale deployment. They could potentially lead to performance bottlenecks or increased downtime in management functions, which could hinder overall operations. Thus, deploying a large 3-VM Prism Central instance is the most effective way to ensure optimal performance*

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## 7. What action can help restore normal operations in a Nutanix cluster after a block power failure?

A. Resetting the cluster credentials

B. Restoring the cluster from backup

C. Allowing the affected VMs to restart

D. Reconfiguring the block settings

*Restoring normal operations in a Nutanix cluster after a block power failure primarily involves allowing the affected virtual machines (VMs) to restart. When a block power failure occurs, it typically impacts the running state of the VMs within the cluster. Once power is restored, the virtualization layer will attempt to automatically start the VMs that were affected by the power loss. This process is crucial because the VMs rely on the underlying infrastructure provided by the Nutanix cluster. By allowing the affected VMs to restart, you can bring them back online and resume their operations, minimizing downtime and restoring services quickly. It's important to note that the Nutanix architecture is designed to manage VM restarts efficiently after such events, ensuring that workloads resume as expected. The other options, while they may have their places in different contexts, do not directly address the immediate need to restore operations after a power failure. Resetting cluster credentials may be necessary for administrative access but has no effect on VM state. Restoring from backup is a more involved process that deals with data loss and typically occurs after a failure that affects data integrity. Reconfiguring block settings is usually a maintenance task rather than an immediate response to a power-related incident.*

## 8. Which Nutanix product integrates the Distributed Storage Fabric and App Mobility Fabric?

A. Prism

B. Acropolis

C. Calm

D. Flow

*The integration of the Distributed Storage Fabric and App Mobility Fabric is a core function of Acropolis. Acropolis serves as the underlying hypervisor and infrastructure layer for Nutanix, providing both compute and storage capabilities in a single solution. The Distributed Storage Fabric is fundamental to how Nutanix handles storage functionality, enabling seamless data management, protection, and scalability across nodes in a cluster. Additionally, the App Mobility Fabric within Acropolis enhances flexibility by allowing users to easily move applications and data across various environments, whether on-premises or in the cloud. This integration streamlines application deployment and management, which is essential for modern IT environments that require agility and efficiency.*

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## 9. What is Nutanix Guest Tools (NGT)?

A. A Prism Element feature that allows you to create temporary logins for users.

B. An upgrade to Prism Pro that enables advanced VM creation functionality.

C. An in-guest agent framework that enables advanced VM management functionality.

D. A collection of browser-based plugins that you can download to unlock advanced features in Prism.

*Nutanix Guest Tools (NGT) functions as an in-guest agent framework specifically designed to enhance the management of virtual machines (VMs). This tool provides capabilities that allow for improved integration and communication between the hypervisor and the guest operating system, leading to better performance and management of VM resources. NGT supports various tasks such as simplifying operations related to VM monitoring, provisioning, and snapshot management. It enables features like automatic IP address management, which ensures that network configurations are updated seamlessly without manual intervention. Additionally, it can facilitate improved VM backups and restores, making operations more efficient. The focus on in-guest functionalities is particularly crucial in virtualized environments where operational efficiency and management visibility within the guest OS are vital. This contrasts with other options that do not capture the specific role NGT plays in enhancing VM management through an agent framework approach.*

## 10. When troubleshooting network issues based on various alerts, what should the administrator assess first to prioritize the problems?

A. Review Alerts page for NIC speed alerts and alert timing - Analyze the genesis.out log file for process failures - Assess the NIC properties in the Network Visualization > Host Properties page.

B. Verify Host/CVM connectivity on the Network Visualization page - Use to verify the bridge and bond configuration - Review alerts/events page for the CVM disconnected error.

C. Access the Hardware Page to verify resources are available - Analyze all CVM Speed Alerts in the Alerts/Events page - Analyze output for the network and interface properties and connectivity.

D. Check the System Logs for overall performance issues and potential host resource problems.

*To effectively prioritize network troubleshooting based on various alerts, it is crucial for the administrator to first verify Host/CVM connectivity using the Network Visualization page. This initial step is essential because establishing whether hosts and Controller Virtual Machines (CVMs) are communicating correctly can immediately highlight any connectivity issues, which are fundamental to network operations. By verifying the bridge and bond configuration next, the administrator can ensure that the network topology is correctly set up to support traffic flow as intended. This step is vital as misconfigurations in bridging or bonding can lead to significant performance bottlenecks or outages that affect multiple services. Lastly, reviewing the alerts/events page specifically for errors indicating that a CVM is disconnected provides targeted insights into specific problems within the network. Identifying a disconnection event can help to rapidly address situations that could lead to larger systemic issues if not resolved promptly. This systematic approach prioritizes connectivity testing first, allowing the administrator to efficiently focus their troubleshooting efforts where they can have the most immediate impact.*

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# Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

https://nutanixcertifiedassociate.examzify.com

We wish you the very best on your exam journey. You've got this!

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