

NCP-US^{Q&As}

Nutanix Certified Professional – Unified Storage (NCP-US) v6 exam

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QUESTION 1

An administrator has been asked to confirm the ability of a physical windows Server 2019 host to boot from storage on a Nutanix AOS cluster.

Which statement is true regarding this confirmation by the administrator?

- A. Physical servers may boot from an object bucket from the data services IP and MPIO is required.
- B. Physical servers may boot from a volume group from the data services IP and MPIO is not required.
- C. Physical servers may boot from a volume group from the data services IP and MPIO is
- D. Physical servers may boot from an object bucket from the data services IP address and MPIO is not required.

Correct Answer: C

Explanation: Nutanix Volumes allows physical servers to boot from a volume group that is exposed as an iSCSI target from the data services IP. To ensure high availability and load balancing, multipath I/O (MPIO) is required on the physical server. Object buckets cannot be used for booting physical servers¹. References: Nutanix Volumes Administration Guide¹

QUESTION 2

An administrator is able to review and modify objects in a registered ESXi cluster from a PE instance, but when the administrator attempts to deploy an Objects cluster to the same ESXi cluster, the error that is shown in the exhibit is shown. What is the appropriate configuration to verify to allow successful Objects cluster deployment to this ESXi cluster?

- A. Ensure that vCenter in PE cluster is registered using FQDN and that vCenter details in Objects UI are using FQDN.
- B. Replace the expired self-signed SSL certificate for the Object Store with a non-expired \\' signed by a valid Certificate Authority.
- C. Replace the expired self-signed SSL certificate for the Object Store with a non-expired self signed SSL certificate.
- D. Ensure that vCenter in PE cluster is registered using FQDN and that vCenter details in Objects UI are using IP address.

Correct Answer: A

Explanation: The appropriate configuration to verify to allow successful Objects cluster deployment to this ESXi cluster is to ensure that vCenter in PE cluster is registered using FQDN (Fully Qualified Domain Name) and that vCenter details in Objects UI are using FQDN. FQDN is a domain name that specifies the exact location of a host in the domain hierarchy. For example, esxi01.nutanix.com is an FQDN for an ESXi host. Using FQDN instead of IP addresses can avoid certificate validation errors when deploying Objects clusters to ESXi clusters. References: Nutanix Objects User Guide, page 9; Nutanix Objects Troubleshooting Guide, page 5

QUESTION 3

An administrator has created a volume and needs to attach it to a windows host a via iSCSI. The data Services IP has

been configured in the MS iSCSI Initiator, but no target are visible.

What is most likely the cause this issue?

- A. The host\\' s IP address is not authorized to access the volume.
- B. The CHAP password configured on the client is incorrect.
- C. The CHAP Authentication has not been configured on the client.
- D. The host\\'s IQN is not authorized to access to the volume.

Correct Answer: D

Explanation: Nutanix Volumes uses IQN-based authorization to control access to volumes. The administrator must specify the IQN of the host that needs to access the volume when creating or editing the volume. If the host\\'s IQN is not authorized, it will not be able to see the target in the MS iSCSI Initiator³. References: Nutanix Volumes Administration Guide³

QUESTION 4

An administrator is tasked with deploying a Microsoft Server Failover Cluster for a critical application that uses shared storage.

The failover cluster instance will consist of VMs running on an AHV-hosted cluster and bare metal servers for maximum resiliency.

What should the administrator do to satisfy this requirement?

- A. Create a Bucket with Objects.
- B. Provision a Volume Group with Volume.
- C. Create an SMB Share with Files.
- D. Provision a new Storage Container.

Correct Answer: B

Explanation: Nutanix Volumes allows administrators to provision a volume group with one or more volumes that can be attached to multiple VMs or physical servers via iSCSI. This enables the creation of a Microsoft Server Failover Cluster that uses shared storage for a critical application. The volume group can be attached to VMs running on an AHV-hosted cluster and bare metal servers for maximum resiliency¹. References: Nutanix Volumes Administration Guide¹

QUESTION 5

An administrator is trying to create a Distributed Share, but the Use Distributed Share/Export type instead of Standard option is not present when creating the share.

What is most likely the cause for this?

- A. The file server does not have the correct license

- B. The cluster only has three nodes.
- C. The file server resides on a single node cluster.
- D. The cluster is configured with hybrid storage

Correct Answer: C

Explanation: The most likely cause for this issue is that the file server resides on a single node cluster. A distributed share is a type of SMB share or NFS export that distributes the hosting of top-level directories across multiple FSVMs, which improves load balancing and performance. A distributed share cannot be created on a single node cluster, because there is only one FSVM available. A distributed share requires at least two nodes in the cluster to distribute the directories. Therefore, the option to use distributed share/export type instead of standard is not present when creating a share on a single node cluster. References: Nutanix Files Administration Guide, page 33; Nutanix Files Solution Guide, page 8

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