Nutanix

NCP-CI-AZURE Exam

Nutanix Certified Professional - Cloud Integration - Azure v6.7

Questions & Answers
Demo

Version: 4.0

Question: 1

An administrator is deploying an NC2 cluster in Azure and observes on NC2 console that nodes will not progress and continue in a Booting state.
What is the most likely cause for the node not continuing to deploy?

A. The Azure account does not have an active subscription.
B. An Azure Support case must first be submitted for allowlisting the Azure subscription.
C. The subscription has not been validated to be allowlisted by Microsoft.
D. A private DNS server is being used that is not reachable.

Answer: C

Explanation:
Azure Subscription Validation: When deploying an NC2 cluster, the Azure subscription must be validated and allowlisted by Microsoft. This is a crucial step to ensure that the necessary permissions and configurations are set up for the deployment.
Booting State Issue: If the nodes are stuck in the Booting state, it often indicates that the subscription has not been properly validated and allowlisted. This prevents the deployment from progressing as required resources and permissions are not fully accessible.
Checking Allowlisting Status: Administrators should verify that their subscription has been allowlisted by contacting Azure support or checking the status through the Azure portal.
Resolution: Once the subscription is validated and allowlisted by Microsoft, the deployment should proceed without the nodes getting stuck in the Booting state.
Reference:
Nutanix NC2 on Azure Documentation
Azure Subscription Management

Question: 2

An administrator has been tasked with scoping an NC2 on Azure deployment. One of the requirements is to ensure that the bare metal instance will support up to 20 TB of storage capacity.
Which bare metal instance should the administrator choose?

A. ND96asr
B. AN36P
C. AN36
D. HB176rs

Answer: B

Explanation:
Storage Capacity Requirement: The requirement specifies that the bare metal instance must support up to 20 TB of storage capacity.
Instance Selection: Among the provided options, the AN36P instance is designed to support higher storage capacities and performance needs.
AN36P Capabilities: The AN36P instance is optimized for storage-intensive applications and provides the necessary hardware specifications to handle up to 20 TB of storage.
Comparison with Other Instances:
ND96asr: Typically optimized for GPU workloads rather than storage.
AN36: May not meet the 20 TB storage requirement.
HB176rs: Geared towards high-performance computing rather than large storage capacities.
Conclusion: Based on the requirements and instance specifications, AN36P is the most suitable choice for supporting up to 20 TB of storage.
Reference:
Nutanix NC2 Instance Types
Azure Virtual Machine Sizes

Question: 3

Which address must Azure Directory Service be able to resolve when deploying a new NC2 cluster?

A. Download.cloud.nutanix.com
B. Apikeys.nutanix.com
C. Gateway-external-api.cloud.nutanix.com
D. Gateway-internal-api-cloud.nutanix.com

Answer: C

Explanation:
Azure Directory Service Role: Azure Directory Service must be able to resolve specific Nutanix URLs to ensure proper communication and functionality during the deployment of an NC2 cluster.
Critical Endpoint: The address "Gateway-external-api.cloud.nutanix.com" is critical for establishing external API communications required for the deployment and management of the NC2 cluster.
DNS Resolution: Proper DNS resolution of this address ensures that the Azure Directory Service can interact with Nutanix services and APIs necessary for cluster operations.
Verification Process:
Ensure that DNS settings allow resolution of "Gateway-external-api.cloud.nutanix.com".
Test connectivity and resolution prior to deployment to avoid issues.
Importance: Without resolving this address, the deployment process might face connectivity issues, leading to potential deployment failures.
Reference:
Nutanix NC2 on Azure Setup Guide
Azure Active Directory Integration

Question: 4

An administrator needs the permission to create and manage multiple organizations and clusters in NC2, as well as manage user access for the entire company.
What role should be assigned to meet the minimum requirements of this task?

A. Customer Administrator
B. Cluster Administrator
C. Customer Security Administrator
D. Organization Administrator

Answer: A

Explanation:
Role Requirements: The task involves creating and managing multiple organizations and clusters, along with managing user access across the company.
Role Capabilities: The "Customer Administrator" role is designed to provide extensive administrative capabilities, including:
Creating and managing organizations.
Managing clusters.
Handling user access and permissions.
Comparison of Roles:
Cluster Administrator: Primarily focuses on managing individual clusters but does not encompass organization-wide administrative tasks.
Customer Security Administrator: Focuses on security-related tasks and does not have broad administrative capabilities across organizations and clusters.
Organization Administrator: Manages organizational settings but might not cover all aspects needed for multiple clusters and user access management.
Conclusion: The "Customer Administrator" role meets all the requirements for managing organizations, clusters, and user access comprehensively.
Reference:
Nutanix Role-Based Access Control Documentation
NC2 on Azure User Roles Guide

Question: 5

An administrator needs to configure the correct outbound requirement for a successful cluster deployment in Azure.
Which destination must have an outbound rule to meet this requirement?

A. Https://portal.nutanix.com/*
B. Https://downloads.cloud.nutanix.com/*
C. Https://support.nutanix.com/*
D. https://nutanix.dev/*

Answer: B

Explanation:
Outbound Rule Necessity: For successful cluster deployment, certain outbound connections must be allowed to ensure proper download and configuration of resources.
Critical Destination: "Https://downloads.cloud.nutanix.com/*" is a critical endpoint from which the Nutanix software and updates are downloaded during the cluster deployment process.
Functionality: Ensuring an outbound rule for this destination allows the deployment to fetch necessary files and updates, enabling smooth cluster setup and operation.
Other Destinations:
Https://portal.nutanix.com/: Used for accessing the Nutanix portal, not directly related to deployment downloads.
Https://support.nutanix.com/: Used for support-related tasks, not for deployment-specific downloads.
https://nutanix.dev/: Related to development and API documentation, not necessary for initial deployment.
Conclusion: Outbound connectivity to "Https://downloads.cloud.nutanix.com/*" is essential for downloading deployment resources.
Reference:
Nutanix NC2 on Azure Network Configuration Guide
Azure Network Security Documentation