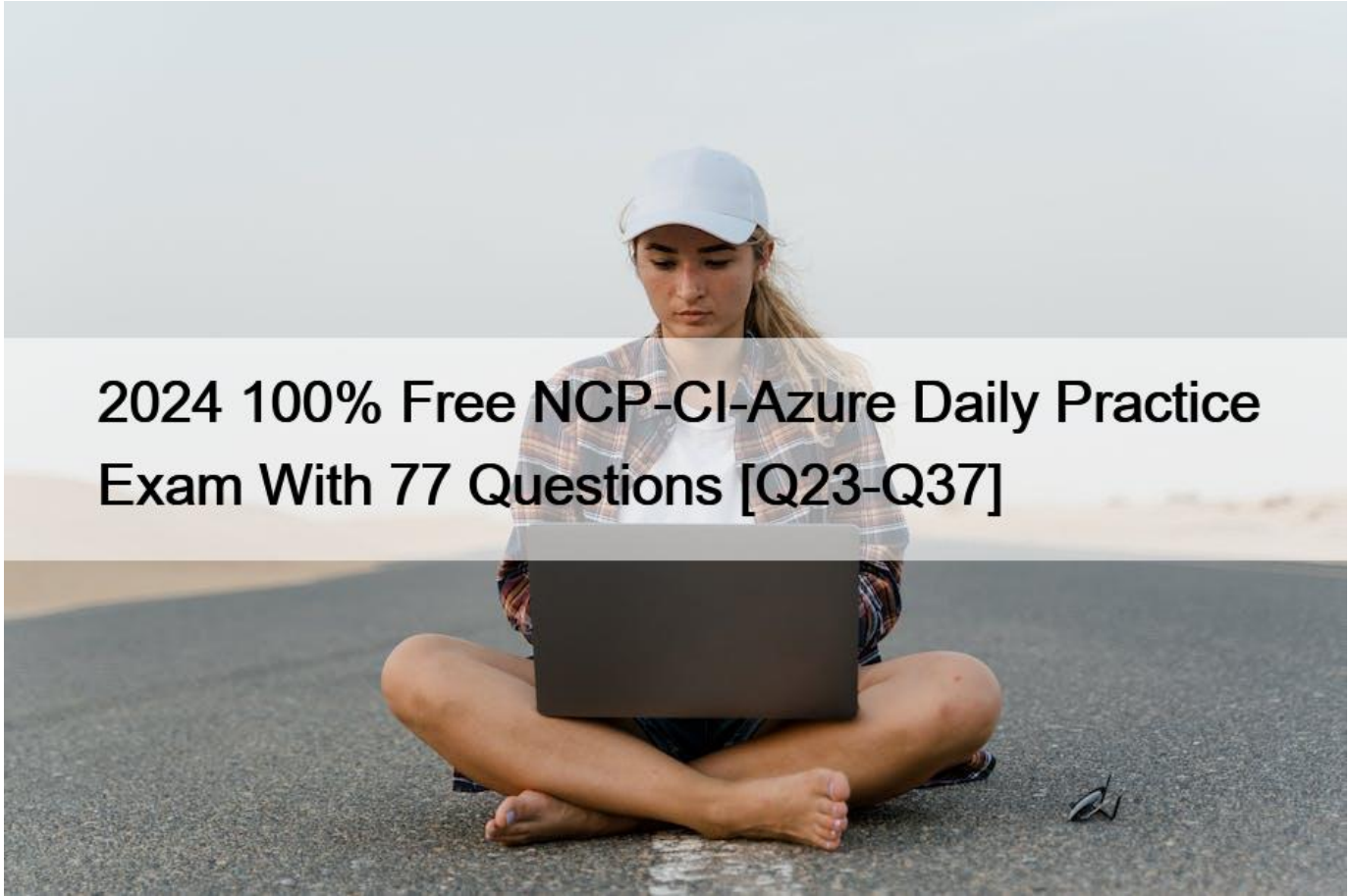


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QUESTION 23

An administrator needs to open the following ports in the firewall between an on-premises cluster and azure for disaster recovery:

- * 22
- * 2009
- * 2020
- * 2049
- * 3260

* 9440

Which rule-type should be created on the firewall for communication to be appropriately established?

* Outbound (TCP)

* Bi-directional (TCP)

* Bi-directional (ICMP)

* Outbound (ICMP)

* Port Requirements: The specified ports (22, 2009, 2020, 2049, 3260, 9440) are commonly used for various services and require TCP communication.

* Port 22: SSH

* Port 2009: Used for Nutanix internal communication

* Port 2020: Nutanix services

* Port 2049: NFS

* Port 3260: iSCSI

* Port 9440: Nutanix Prism management

* Communication Type: To ensure proper disaster recovery setup, bi-directional communication is needed to allow traffic to flow both from on-premises to Azure and vice versa.

* TCP Protocol: These ports use the TCP protocol, which provides reliable communication between devices.

* Conclusion: Creating a bi-directional (TCP) rule on the firewall allows the necessary communication for disaster recovery processes.

References:

* Nutanix Networking and Security Documentation

* Azure Networking Documentation

QUESTION 24

A company wants to start using Nutanix Cloud Clusters (NC2) in Azure. The company has large spend commitments as part of a Microsoft Azure Consumption Commitment (MACC) totaling \$15 million.

What approach should the administrator take to ensure the Nutanix licensing costs apply to the MACC?

* Request a trial directly from Nutanix.

* Leverage existing Nutanix licenses

* Purchase Nutanix licenses through the Azure Marketplace.

* Purchase Nutanix licenses directly from Nutanix and contact Microsoft support.

* Microsoft Azure Consumption Commitment (MACC): To ensure that the Nutanix licensing costs apply to the MACC, the company needs to make purchases that are recognized by Azure's billing system.

* Azure Marketplace Purchases: By purchasing Nutanix licenses through the Azure Marketplace, the costs will be included in the

Azure billing and count towards the MACC, thereby leveraging the committed spend.

References:

- * Azure Marketplace Documentation
- * Nutanix Licensing Guide

QUESTION 25

An administrator seeks to ensure that the newly-created NC2 organization named Finance can only deploy clusters into certain cloud regions.

Which action should the administrator take to do this?

- * Configure permissions in cloud accounts to restrict access to certain regions.
- * Open a support ticket with Nutanix to whitelist the allowed regions for the Finance N
- * Configure RBAC roles on the Finance NC2 organization to allow access to regions.
- * Specify allowed regions when configuring a cloud account for the Finance NC2 organization.
- * Cloud Account Configuration:When setting up a cloud account for the NC2 organization, the administrator can specify which regions are available for deploying clusters.
- * Restricting Regions:This ensures that the Finance organization can only deploy clusters into the designated regions, complying with organizational policies and requirements.

References:

- * Nutanix NC2 Configuration Guide
- * Azure Subscription and Resource Management Documentation

QUESTION 26

Which console must be used to deploy a Nutanix cluster on Azure?

- * Prism Central Console
- * NC2 Console
- * Azure Console
- * Prism Element Console
- * NC2 Console:The NC2 console is specifically designed for deploying and managing Nutanix clusters on Azure. It provides the necessary tools and interface to configure, monitor, and manage the NC2 clusters effectively.
- * Cluster Deployment:Using the NC2 console ensures that all configurations and integrations with Azure are correctly handled, providing a seamless deployment experience.

References:

- * Nutanix NC2 Deployment Guide
- * Nutanix Console Documentation

QUESTION 27

An administrator needs to attach a network interface to a Flow Gateway VM.

What option should be enabled in the Azure portal and in the OS of the Flow gateway VM to meet this network requirement?

- * Port Tagging
 - * Dynamic Route
 - * IP Forwarding
 - * Static Route
- * IP Forwarding in Azure: Enabling IP forwarding allows the VM to forward network traffic that is not specifically addressed to itself. This is necessary for network devices like the Flow Gateway VM to route traffic correctly.
- * Network Interface Configuration: Both the Azure portal settings and the VM's operating system must
- * have IP forwarding enabled to ensure proper traffic handling and routing capabilities.

References:

- * [Azure Virtual Machine Networking Documentation](#)
- * [Nutanix Flow Gateway Configuration Guide](#)

QUESTION 28

An administrator is seeking help with an ongoing NC2 issue. After reaching out to Nutanix support, the administrator is introduced to the NC2 specialist who can help troubleshoot the problem.

How can the administrator verify that the NC2 specialist has access to the necessary organizations?

- * Provide the specialist with the administrator's login credentials.
- * Confirm the Support Authorization on the organization is set to Full Access.
- * Add the specialist as an admin user to the organizations.
- * Ensure the specialist is assigned the RBAC role with proper permissions.

To verify that the NC2 specialist has access to the necessary organizations for troubleshooting the issue, the administrator should:

- * Confirm that the Support Authorization on the organization is set to Full Access. This ensures that the NC2 specialist has the required permissions to access the necessary resources and perform the necessary actions to resolve the issue.

Providing login credentials or adding the specialist as an admin user is not recommended due to security and privacy concerns. Ensuring the specialist is assigned the correct RBAC role is another valid approach but confirming the support authorization directly ensures they have the needed access.

References

- * [Nutanix Support and Services](#)

QUESTION 29

An administrator is planning to expand an NC2 on Azure cluster.

Which statement is true regarding prerequisites for expanding the cluster?

- * Cluster must be in a Cluster Stopped state.

- * Cluster must have at least three nodes.
- * Cluster must be in a Cluster Connected state.
- * Cluster must have at least five nodes.
- * Cluster State Requirement: To expand a cluster, it must be operational and in a connected state to ensure seamless integration of additional nodes.

- * Cluster Stopped State: If the cluster is stopped, it cannot perform expansion operations.

- * Minimum Nodes Requirement: There is no minimum node count prerequisite for expanding the cluster as long as the cluster is connected.

- * Cluster Connected State: Ensuring the cluster is connected verifies that it is operational and can communicate with additional nodes being added.

- * Conclusion: The cluster must be in a Cluster Connected state to expand successfully.

References:

- * Nutanix Clusters Expansion Guide

- * Azure NC2 Configuration Documentation

QUESTION 30

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?

- * Customer Administrator
- * Cluster Administrator
- * Customer Security Administrator
- * Organization Administrator
- * 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.

References:

* [Nutanix Role-Based Access Control Documentation](#)

* [NC2 on Azure User Roles Guide](#)

QUESTION 31

An administrator has been tasked with deploying a new production NC2 cluster on Azure and is studying the deployment requirements.

How many Azure Ready Nodes, at a minimum, must the administrator ensure are deployed within the cluster?

- * 1
- * 3
- * 5
- * 6

* **Minimum Node Requirement:** For production deployments, Nutanix typically requires a minimum of three nodes to ensure high availability and fault tolerance within the cluster.

* **Azure Ready Nodes:** Deploying at least three Azure Ready Nodes allows the cluster to provide redundancy, ensuring that the failure of a single node does not affect the overall availability and performance of the cluster.

References:

* [Nutanix NC2 on Azure Deployment Guide](#)

* [High Availability and Redundancy Best Practices](#)

QUESTION 32

An administrator is planning on building the network prior to deploying a Nutanix cluster into Azure.

Which two components require their own vNets for NC2 in Azure? (Choose two.)

- * Bare-metal instance
- * Prism Central
- * Azure Load Balancer
- * Virtual Network Gateway

* **NC2 on Azure Deployment:** Deploying Nutanix clusters in Azure involves configuring various components, each needing appropriate network isolation and configuration.

* **Components and vNets:**

- * Bare-metal instance: Requires its own vNet to ensure proper network isolation and performance.
- * Prism Central: Needs a dedicated vNet to manage and monitor the Nutanix environment, ensuring it has the required network access and isolation.
- * Azure Load Balancer: Does not require its own vNet but needs to be associated with the appropriate vNet where services are deployed.
- * Virtual Network Gateway: Is used for VPN connections but does not necessitate a separate vNet; it operates within an existing vNet.
- * Network Isolation: Providing separate vNets for Bare-metal instances and Prism Central ensures optimal performance and management capabilities.
- * Conclusion: Both Bare-metal instances and Prism Central require their own vNets in the NC2 on Azure deployment.

References:

- * [Nutanix Clusters on Azure Deployment Guide](#)
- * [Azure Virtual Network Documentation](#)

QUESTION 33

When selecting the NC2 subscription plan from the Nutanix billing portal, which options are available?

- * Pay-as-you-Go (payG), Bring your own License (BYOL)
- * Reserved instances, Cloud Provider Credits, Bring your own License (BYOL)
- * Reserved instances, Bring your own License (BYOL)
- * Pay-as-you-Go (PayG), Cloud Provider Credits, Bring you own License (BYOL)

When selecting the NC2 subscription plan from the Nutanix billing portal, the available options are:

- * Pay-as-you-Go (PayG): Allows you to pay for the services as you use them, providing flexibility and avoiding upfront costs.
- * Bring your own License (BYOL): Enables you to use your existing Nutanix licenses within the cloud environment, offering cost savings if you already have licenses.

These options provide flexibility in how you can manage and pay for your Nutanix cloud clusters. References

- * [Nutanix Cloud Clusters Pricing and Plans](#)

QUESTION 34

Which two options are prerequisites for deploying an NC2 cloud cluster in Azure? (Choose two.)

- * An Azure Express Route circuit
- * A valid CIDR range
- * A my.nutanix.com account
- * An on Premises Prism Central environment
- * Valid CIDR Range: When deploying an NC2 cloud cluster in Azure, a valid CIDR range is necessary to define the IP address space for the cluster and its associated networks. This range ensures that there are no conflicts with existing network configurations and provides sufficient addresses for the cluster resources.

* My Nutanix Account: A my.nutanix.com account is required to access Nutanix services and manage NC2 deployments. This account allows administrators to log in, configure settings, and manage their Nutanix environment on Azure.

References:

* Nutanix NC2 on Azure Deployment Guide

* Azure Virtual Network Documentation

QUESTION 35

An administrator is tasked with preparing the company's Azure subscription for use with NC2.

Which two Azure Resource Providers need to be registered? (Choose two.)

* Microsoft.HybridNetwork

* Microsoft.Network

* Microsoft.Nutanix

* Microsoft.HybridCompute

* Azure Resource Providers: To prepare an Azure subscription for NC2, specific resource providers must be registered to enable necessary services and resources.

* Required Providers:

* Microsoft.Network: This provider is essential for networking functionalities, including virtual networks, subnets, and other network resources necessary for NC2 deployment.

* Microsoft.Nutanix: This provider is specifically required for integrating and managing Nutanix resources within the Azure environment.

* Other Providers:

* Microsoft.HybridNetwork and Microsoft.HybridCompute: These are not specifically required for NC2 but might be relevant for other hybrid or extended network configurations.

* Conclusion: Registering both Microsoft.Network and Microsoft.Nutanix ensures that all necessary network and Nutanix-specific resources are available for NC2 deployment.

References:

* Azure Resource Providers Documentation

* Nutanix on Azure Setup Guide

QUESTION 36

An administrator is deploying a new cluster on Azure and would like to ensure the data is encrypted. Due to cost constraints the deployment will leverage the native local key manager (LKM).

What is the minimal number of nodes needed to support the Nutanix native LKM?

- * 1
- * 2
- * 3
- * 4
- * **Local Key Manager (LKM):**The native local key manager in Nutanix requires a minimum number of nodes to function correctly and provide key management services.
- * **Minimum Node Requirement for LKM:**To support the Nutanix native LKM, at least three nodes are needed. This configuration ensures that the key management service can achieve the necessary quorum and redundancy for secure operations.

References:

- * [Nutanix Data Encryption Documentation](#)
- * [Nutanix Cluster Configuration Guide](#)

QUESTION 37

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?

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

References:

- * [Nutanix NC2 on Azure Documentation](#)
- * [Azure Subscription Management](#)

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<https://www.topexamcollection.com/NCP-CI-Azure-vce-collection.html>