



Nutanix

Exam Questions NCP-CI-Azure

Nutanix Certified Professional - Cloud Integration - Azure (NCP-CI-Azure v6.7)

NEW QUESTION 1

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?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: C

Explanation:

? 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

NEW QUESTION 2

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?

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

Answer: B

Explanation:

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

NEW QUESTION 3

An administrator wants to ensure that enough available bandwidth exists for workloads running in an NC2 on Azure cluster environment.

What is the highest number of Flow Gateway VMs that can be deployed within this environment?

- A. 1
- B. 3
- C. 4
- D. 6

Answer: D

Explanation:

? Flow Gateway VMs: Flow Gateway VMs are used to manage and route network traffic within an NC2 on Azure cluster, ensuring sufficient bandwidth for workloads.

? Scalability: To ensure enough available bandwidth, multiple Flow Gateway VMs can be deployed.

? Maximum Limit: The highest number of Flow Gateway VMs that can be deployed within an NC2 on Azure environment is 6, providing the necessary capacity to handle high traffic volumes and ensure optimal performance.

? Conclusion: Deploying up to 6 Flow Gateway VMs ensures adequate bandwidth for NC2 workloads.

References:

? Nutanix Clusters Networking Guide

? Azure Network Performance Documentation

NEW QUESTION 4

An administrator has created a new overlay network. Which is intended for the company's user VMs.

The cluster has these characteristics:

* Policy-based Routing is not configured

* Only using external NAT

* DNS Server: 8.8.8.8

After adding a few VMs to the network, the administrator notices that the VMs cannot reach resources outside the network, even by IP address.

What is a likely cause?

- A. The local cluster does not have access to the underlying network.
- B. The DNS server is unreachable.
- C. The VPC connection is not established.
- D. A default route was not configured for the external subnet.

Answer: D

Explanation:

When the administrator notices that the VMs cannot reach resources outside the network, even by IP address, it is likely that a default route was not configured for the external subnet. The default route is essential for directing traffic from the VMs to external networks. Without it, the VMs will not know how to route traffic to external destinations, which leads to connectivity issues.

References

? Azure Virtual Network Documentation

? Nutanix Flow Networking Best Practices

NEW QUESTION 5

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

- A. Prism Central Console
- B. NC2 Console
- C. Azure Console
- D. Prism Element Console

Answer: B

Explanation:

? 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

NEW QUESTION 6

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?

- A. Outbound (TCP)
- B. Bi-directional (TCP)
- C. Bi-directional (ICMP)
- D. Outbound (ICMP)

Answer: B

Explanation:

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

? 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

NEW QUESTION 7

An administrator needs to ensure API calls are executing successfully from NC2 to manage Azure resources.

Which cluster outbound to Azure connections are required to satisfy this task?

- A. azure-support.nutan/x.com
- B. portal.azure.com
- C. managementazure.com
- D. apikeys.nutanix.com

Answer: D

Explanation:

? API Key Management: For NC2 to manage Azure resources successfully, it needs to authenticate and authorize API calls. This is typically handled through API keys, which are managed via specific endpoints.

? Required Connection: The endpoint `apikeys.nutanix.com` is crucial for managing these API keys. Ensuring connectivity to this endpoint allows NC2 to verify and utilize the API keys needed for interacting with Azure services.

References:

? Nutanix NC2 API Configuration Guide

? Azure API Management Documentation

NEW QUESTION 8

When configuring permissions for an Azure subscription, which role is required to delegate minimum permissions for the Azure AD App registration?

- A. Azure user Access Administrator role
- B. Azure Reader role
- C. Azure Contributor role
- D. Azure Custom role defined by Nutanix

Answer: A

Explanation:

? Azure AD App Registration: When setting up an application registration in Azure AD, specific permissions are required to delegate access.

? User Access Administrator Role: This role has the necessary permissions to manage user access to Azure resources, including delegating permissions for app registrations.

? Comparison of Roles:

? Conclusion: The Azure User Access Administrator role is required to delegate minimum permissions for Azure AD App registration.

References:

? Azure Role-Based Access Control Documentation

? Azure AD App Registration Guide

NEW QUESTION 9

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?

- A. Request a trial directly from Nutanix.
- B. Leverage existing Nutanix licenses
- C. Purchase Nutanix licenses through the Azure Marketplace.
- D. Purchase Nutanix licenses directly from Nutanix and contact Microsoft support.

Answer: C

Explanation:

? 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

NEW QUESTION 10

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

- A. Pay-as-you-Go (payG), Bring your own License (BYOL)
- B. Reserved instances, Cloud Provider Credits, Bring your own License (BYOL)
- C. Reserved instances, Bring your own License (BYOL)
- D. Pay-as-you-Go (PayG), Cloud Provider Credits, Bring you own License (BYOL)

Answer: A

Explanation:

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

NEW QUESTION 10

An on-premises network has been extended to azure with a VPN/ExpressRoute. The routing and peering of VNets is setup and has been confirmed to be correct. Which statement best describes the state of the traffic flow between the on-prem CVMs and the NC2 CVMs in Azure?

- A. The Network Security Group of the Flow Gateway VM on the Internal NICs will need to be edited to enable the traffic flow.
- B. A ticket will need to be put in with Microsoft support to open the subnet ranges from on- premises.
- C. Traffic will flow directly to the NC2 CVM
- D. Nothing will block the path by default.
- E. The Network Security Group of the Flow Gateway VM on the External NICs will need to be edited to enable the traffic flow.

Answer: A

Explanation:

? Network Security Groups (NSGs): NSGs control the inbound and outbound traffic to and from Azure resources. For traffic between on-premises CVMs and NC2 CVMs in Azure, the NSGs associated with the Flow Gateway VM's Internal NICs must be configured to allow the required traffic.

? Editing NSGs: To enable traffic flow, specific rules must be added to the NSGs to permit traffic from the on-premises network to the NC2 environment.

This includes specifying the appropriate source and destination IP ranges and the necessary ports and protocols.

References:

? Azure Network Security Groups Documentation

? Nutanix NC2 Networking Configuration Guide

NEW QUESTION 12

Native Azure VMs exist in a subnet (10.20.80.0/20) in the Prism Central VNet that need access to the workload running on the Nutanix User. What needs to be modified to allow access from the native Azure VMs to the workloads running in the Nutanix User VPC?

- A. Remove the ERP value on the transit VPC and Nutanix User VPC.
- B. Change the ERP value to the the subnet range of the native Azure VMs (10.20.80.0/20) on the Transit VPC and the Nutanix User VPC.
- C. Adjust the Inbound Network Security Group on the Flow Gateway VM External NIC to allow traffic 102030.0/20.
- D. Adjust the Inbound Network Security Group on the Flow Gateway VM Internal NIC to allow traffic 102030,0/20.

Answer: D

Explanation:

To allow access from the native Azure VMs to the workloads running in the Nutanix User VPC, the administrator needs to:

? Adjust the Inbound Network Security Group (NSG) on the Flow Gateway VM's Internal NIC.

? Specifically, allow traffic from the subnet range of the native Azure VMs (10.20.80.0/20) in the Inbound rules of the NSG associated with the Internal NIC of the Flow Gateway VM.

This configuration change permits the desired network traffic, ensuring that the native Azure VMs can communicate with the workloads in the Nutanix User VPC. References

? Azure Network Security Groups Overview

? Nutanix Networking and Security Best Practices

NEW QUESTION 17

An administrator is tasked with configuring connectivity between an on-premises datacenter and Azure.

Which two connectivity options are supported? (Choose two.)

- A. VPN
- B. Direct Connect
- C. ExpressRoute
- D. Leased Line

Answer: AC

Explanation:

For configuring connectivity between an on-premises datacenter and Azure, the two supported options are:

? VPN (Virtual Private Network): Site-to-Site VPN allows you to create a secure connection from your on-premises network to Azure over the public internet using IPsec/IKE protocols.

? ExpressRoute: Provides a private connection between your on-premises infrastructure and Azure, ensuring traffic does not traverse the public internet. Both options provide secure and reliable connectivity, with ExpressRoute offering enhanced performance and security due to its private connection. References

? Azure VPN Gateway

? Azure ExpressRoute Overview

NEW QUESTION 22

An administrator needs to extend an on-premises subnet to an NC2 cluster on Azure. Which set of options should the administrator configure to complete this task?

- A. Subnet Type: VPC subnets Traffic Type: IPv4 unicast traffic and ARP On-premises Hypervisor: ESXi, AHV, Hyper-V
- B. Subnet Type: On-premises VLAN subnets and VPC subnets Traffic Type: IPv4 unicast traffic IPv6 unicast traffic and ARP On-premises Hypervisor: ESXi and AHV
- C. Subnet Type: On-premises VLAN subnets and VPC subnets Traffic Type: IPv4 unicast traffic and ARP On-premises Hypervisor: AHV
- D. Subnet Type: On-premises VLAN subnets and VPC subnets Traffic Type: IPv6 unicast traffic and ARP On-premises Hypervisor: Hyper-V

Answer: B

Explanation:

To extend an on-premises subnet to an NC2 cluster on Azure, the administrator should configure:

? Subnet Type: Both on-premises VLAN subnets and VPC subnets. This ensures that the subnet can span both the on-premises environment and the Azure environment.

? Traffic Type: Support for IPv4 unicast traffic, IPv6 unicast traffic, and ARP is necessary to ensure proper communication and address resolution across the extended subnet.

? On-premises Hypervisor: ESXi and AHV are supported hypervisors for this type of configuration, allowing for a seamless extension of the subnet between these environments.

References

? Nutanix Hybrid Cloud Networking

NEW QUESTION 27

An administrator just completed the initial account setup tasks for NC2 on Azure, such as creating a My Nutanix account, starting a 30-day free trial for NC2 on Azure, and setting up the Azure account and subscription.

Which two additional actions should the administrator take before creating a cluster? (Choose two.)

- A. Purchasing an Azure savings plan
- B. Allowlisting the Azure Subscription
- C. Creating an App Registration
- D. Configure VPN for connectivity

Answer: BC

Explanation:

? Allowlisting the Azure Subscription: This step ensures that the Azure subscription is recognized and permitted by Nutanix Cloud Clusters (NC2). Without allowlisting, the necessary resources and permissions within the Azure subscription may not be available for NC2, potentially blocking the creation and

management of clusters.

? Creating an App Registration: This involves setting up an application within Azure Active Directory (AAD) to enable secure communication between NC2 and Azure. The app registration process includes assigning permissions and obtaining necessary authentication credentials, facilitating the interaction and management of Azure resources by NC2.

References:

? Nutanix Documentation on NC2 Setup

? Azure Active Directory Application Registration Guide

NEW QUESTION 32

Which resource is capable of being connected to a private endpoint as it is not displayed on delegated subnets?

- A. User VMs
- B. Prism Central
- C. Hosts
- D. CVMs

Answer: B

Explanation:

? Private Endpoint: Private Endpoints allow secure access to Azure services over a private network connection. They do not typically appear on delegated subnets, which are used for specific Azure services.

? Prism Central Connectivity: Prism Central can be connected to a private endpoint to ensure secure communication without exposing it to the public internet. This setup ensures secure and private management of the Nutanix environment.

References:

? Azure Private Endpoint Documentation

? Nutanix NC2 Deployment and Security Guide

NEW QUESTION 37

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.)

- A. Bare-metal instance
- B. Prism Central
- C. Azure Load Balancer
- D. Virtual Network Gateway

Answer: AB

Explanation:

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

? Components and vNets:

? 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

NEW QUESTION 39

An administrator must ensure that certain NC2 VMs can access Azure resources. The NC2 VM traffic must not traverse the internet.

How would the administrator achieve this?

- A. By creating an Azure Private Endpoint for VMs in a Delegated Subnet
- B. By creating an Azure Private Endpoint for VMs in a NAT network via vWAN.
- C. By creating an Azure Private Endpoint for VMs in a No-NAT network via vWAN.
- D. By creating an Azure Private Endpoint for VMs in the host-mgmt subnet.

Answer: A

Explanation:

? Azure Private Endpoint: A Private Endpoint provides secure connectivity to Azure resources by enabling private access through the Azure backbone network. This ensures that the traffic does not traverse the internet, providing enhanced security and performance.

? Delegated Subnet: By creating an Azure Private Endpoint for VMs in a delegated subnet, the administrator ensures that the VMs can access Azure resources directly and securely without using the public internet.

References:

? Azure Private Endpoint Documentation

? Nutanix NC2 Networking Configuration Guide

NEW QUESTION 43

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