

Exam Questions NCP-CI-Azure

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

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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

What action is performed in Azure when an instance is reported as being in a terminated state, but NC2 expects it to be in a running state?

- A. NC2 restarts the AHV host.
- B. NC2 alerts the administrator that a manual replacement is required.
- C. NC2 automatically reconnects with the instance.
- D. NC2 condemns the host and triggers replacement of the host.

Answer: D

Explanation:

? Instance Termination Detection:When an instance in Azure is reported as being in a terminated state but NC2 expects it to be running, the system will automatically take corrective actions.

? Host Condemnation and Replacement:NC2 will condemn the host, marking it as unusable, and will then trigger the replacement process to ensure that the cluster maintains its required capacity and performance levels. This automatic handling ensures minimal disruption to the workloads running on the cluster.

References:

- ? Nutanix NC2 Automated Management Features
- ? Azure Instance State Documentation

NEW QUESTION 4

An administrator has recently deployed an NC2 on azure cluster, but does not have connectivity back to the on-premises environment. The administrator would like to start working on configuring the new cluster.

What is the best way to get access to Prism Central?

- A. Deploy a Jump Host in an external VNet and peer the VNets for communication between Prism Central VNet and the Jump Host VNet.
- B. Deploy a Jump Host instance in the same subnet as the bare-metal.
- C. Deploy a Jump Host in an external VNet and peer the VNets for communication between bare-metal VNet and the Jump Host VNet.
- D. Deploy a Jump Host Instance in the Prism Central VNet inside a delegated subnet

Answer: A

Explanation:

? Jump Host Deployment:A Jump Host provides a secure method to access the NC2 environment when direct connectivity is unavailable. Deploying it in an external VNet allows flexibility in managing network access and security.

? VNet Peering:By peering the external VNet (where the Jump Host is deployed)

with the VNet containing Prism Central, the administrator can establish a communication pathway. This setup enables secure and controlled access to Prism

Central from the Jump Host.

References:

? Azure VNet Peering Documentation

? Nutanix NC2 Configuration and Access Guide

NEW QUESTION 5

A company has just adopted Nutanix as their technology of choice and is preparing to deploy Nutanix Cloud Clusters (NC@). Which step must be taken first to gain access to the NC2 console?

- A. Start a free trial via Billing Portal.
- B. Navigate to doud.nutanix.com.
- C. Create a My Nutanix account.
- D. Open a support case with Nutanix.

Answer: C

Explanation:

? Initial Access: To gain access to the NC2 console, users need to create an account on the Nutanix platform.

? My Nutanix Account: Creating a My Nutanix account provides access to the Nutanix console, support, and other resources.

? Free Trial and Billing Portal: Starting a free trial or accessing the billing portal can be subsequent steps but require an initial account.

? Support Case: Opening a support case is not necessary for initial access but might be needed for specific issues later.

? Conclusion: Creating a My Nutanix account is the first step to accessing the NC2 console and other Nutanix services.

References:

? Nutanix Account Creation Guide

? Getting Started with Nutanix NC2

NEW QUESTION 6

A Nutanix User VPC named Servers has a subnet named Tier1: Servers: 10.0.0.0/20

Tier1: 10.0.0.0/25

Tier is using floating IPs to allow inbound traffic to the web servers that are hosted for a payroll system.

The company requires that the Network Security Group allow other Native Azure instances running in subnet AD (10.20.0.0/24) in the Prism Central VNet to be able to contact the web servers.

Which statement is true regarding this company requirement?

- A. Native Azure instances in the Prism Central vNet will be allowed access by default.
- B. The internal NIC of the Flow Gateway Network Security Group needs to allow traffic from 10.20.0.0/24.
- C. The external NIC of the Flow Gateway Network Security Group needs to allow traffic from 10.20.0.0/24.
- D. Policy based routing in the Servers VPC must be edited to allow traffic from 10.20.0.0/24.

Answer: B

Explanation:

? Flow Gateway Network Security Group (NSG): NSGs control the traffic flow to and from network interfaces associated with VMs and other resources. Configuring the NSG correctly is crucial for ensuring that required traffic is allowed.

? Internal NIC Configuration: To allow Native Azure instances in the Prism Central VNet (10.20.0.0/24) to access the web servers in the Tier1 subnet, the internal NIC of the Flow Gateway must be configured to allow traffic from 10.20.0.0/24. This ensures that inbound traffic from these instances is permitted and properly routed to the web servers.

References:

? Azure Network Security Group Documentation

? Nutanix Flow Gateway Configuration Guide

NEW QUESTION 7

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?

- A. Configure permissions in cloud accounts to restrict access to certain regions.
- B. Open a support ticket with Nutanix to whitelist the allowed regions for the Finance NC2 organization.
- C. Configure RBAC roles on the Finance NC2 organization to allow access to regions.
- D. Specify allowed regions when configuring a cloud account for the Finance NC2 organization.

Answer: D

Explanation:

? 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

NEW QUESTION 8

An administrator is trying to determine which type of DNS server to deploy for a networking infrastructure in Azure.

Which DNS server option would require either VPN or ExpressRoute connectivity?

- A. Cloudflare
- B. Azure
- C. On-premises

D. Google

Answer: C

Explanation:

? DNS Server Options:

? Connectivity Requirements:

? Conclusion: An on-premises DNS server would require VPN or ExpressRoute connectivity to be accessible and integrated with the Azure environment.

References:

? Azure DNS Overview

? VPN Gateway Configuration

? ExpressRoute Overview

NEW QUESTION 9

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 10

After creating a new Nutanix User VPC, what is needed to allow traffic to flow out of the Flow gateway VM when using the NATed Path?

A. Add a default route on the Transit VPC of 0.0.0.0/0 to the Flow Gateway.

B. Add a default route on the Transit VPC of 0.0.0.0/0 to the Flow Gateway.

C. Add a default route on the Nutanix User VPC of 0.0.0.0/0 to the External Overlay network.

D. Edit the External Flow Gateway Security Group on the External NIC to allow outbound traffic. Edit the Internal Flow Gateway Security Group on the internal NIC to allow outbound traffic

Answer: C

Explanation:

? NATed Path Configuration: When using the NATed Path, it is essential to ensure that traffic can flow out of the Flow gateway VM to external networks.

? Default Route: Adding a default route on the Nutanix User VPC ensures that all outbound traffic is directed to the appropriate network gateway.

? Configuration Steps:

? Security Group Settings:

? Conclusion: Properly configuring the default route on the Nutanix User VPC enables outbound traffic flow via the NATed Path through the External Overlay network.

References:

? Nutanix Flow Gateway Configuration Guide

? Azure VPC Routing Documentation

NEW QUESTION 10

An administrator ran into an issue during an NC2 cluster deployment on Azure. The administrator has logged a case with Nutanix Support.

Support has requested the following logs from NC2 on Azure in order to diagnose the deployment issue:

* Cluster_agent

* Host_agent

* Hostsetup

What action should the administrator take to ensure the collect the appropriate logs?

A. SSH to the CVM and use the logbay collect command.

B. Login to Prism Element to access the CVM's console and run the logbay collectcommand.

C. SSH to the PCVM and use the logbay collect command.

D. Login to Prism Element Web Console to generate a Logbay bundle.

Answer: B

Explanation:

To collect the appropriate logs (Cluster_agent, Host_agent, and Hostsetup) for diagnosing the deployment issue with Nutanix Support, the administrator should:

? Log in to Prism Element to access the Controller VM (CVM) console.

? Run the `thelogbay collectcommand` from the CVM console. This command collects the necessary logs and packages them for support. This method ensures that the correct logs are gathered in a format that Nutanix Support can analyze. References
 ? Nutanix Support Documentation on Log Collection

NEW QUESTION 12

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 your 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 17

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 22

An administrator is planning an NC2 deployment in Azure and wants to connect the company's on-premises datacenter to the cloud environment. What connectivity solution should the administrator use to avoid traffic between the locations flowing over the public internet?

- A. ExpressRoute
- B. Site-to-Site VPN
- C. Point-to-Site VPN
- D. VTEP Gateways

Answer: A

Explanation:

To connect the company's on-premises datacenter to the Azure cloud environment while avoiding traffic over the public internet, the administrator should use Azure ExpressRoute. ExpressRoute provides a private connection to Azure, offering more reliability, faster speeds, and lower latencies compared to typical internet connections. This service ensures that data traffic does not traverse the public internet, enhancing security and performance. References

? Azure ExpressRoute Overview

NEW QUESTION 24

An administrator manages a virtual desktop environment running on an NC2 cluster in Azure.

The desktop running on the cluster needs to contact resources on-premises through the ExpressRoute that has been setup. To save on bandwidth from the on-premises environment to Azure, the administrator wants the desktops to access the internet through an Azure NAT Gateway.

Which configuration will best accomplish this task?

- A. Set the default route of 0.0.0.0/0 for the Nutanix User VPC pointing to the external-No-NAT network.
- B. Set the default route of 0.0.0.0/0 for the Nutanix User VPC pointing to the external-NAT network.
- C. Set a route to the on-premises subnet for the Nutanix User VPC pointing to the external-No-NAT network.
- D. Set the default route of 0.0.0.0/0 for the Nutanix User VPC pointing to the external-NAT network.
- E. Set a route to the on-premises subnet for the Nutanix User VPC pointing to the external-NAT network.
- F. Assign all desktops Floating IPs and use an external-NAT network in the transit VPC.
- G. Set the default route of 0.0.0.0/0 for the Nutanix User VPC pointing to the external-NAT network.

Answer: B

Explanation:

? Default Route for Internet Traffic: By setting the default route of 0.0.0.0/0 for the Nutanix User VPC pointing to the external-NAT network, all internet-bound traffic

from the desktops will be routed through the Azure NAT Gateway, conserving bandwidth on the ExpressRoute connection.

? On-Premises Route: Setting a specific route to the on-premises subnet for the Nutanix User VPC pointing to the external-No-NAT network ensures that traffic destined for on-premises resources bypasses the NAT Gateway and utilizes the ExpressRoute connection, optimizing the use of network paths.

References:

? Azure NAT Gateway Documentation

? Nutanix NC2 Networking Configuration Guide

NEW QUESTION 27

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

- A. An Azure Express Route circuit
- B. A valid CIDR range
- C. A my.nutanix.com account
- D. An on Premises Prism Central environment

Answer: BC

Explanation:

? 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

NEW QUESTION 32

Which service enables the monitoring of key metrics on various Azure services, including virtual networks, virtual machines, and bare metal hosts for an NC2 cluster?

- A. Azure Monitor
- B. Resource Manager
- C. Azure Service Health
- D. Azure Network Watcher

Answer: A

Explanation:

? Azure Monitor Overview: Azure Monitor is a comprehensive monitoring service that collects, analyzes, and acts on telemetry data from Azure resources.

? Key Metrics Monitoring: Azure Monitor enables the monitoring of various Azure services such as virtual networks, virtual machines, and bare metal hosts, providing insights and visibility into their performance and health.

? Comparison of Services:

? Conclusion: Azure Monitor is the most suitable service for monitoring key metrics across a wide range of Azure services.

References:

? Azure Monitor Documentation

? Nutanix NC2 on Azure Monitoring Guide

NEW QUESTION 33

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 36

An organization uses a Pay As You Go subscription plan and wants to pay directly to Nutanix.

What is a valid payment method available to pay directly to Nutanix?

- A. Via Wire Transfer
- B. Via Credit Card
- C. Via Physical Check
- D. Via Online Payment Platform

Answer: A

Explanation:

? Payment Method Options: When using a Pay As You Go subscription plan and opting to pay directly to Nutanix, wire transfer is a valid and secure payment method.
? Direct Payment: Wire transfers allow for the direct transfer of funds from the organization's bank account to Nutanix, ensuring a straightforward and efficient payment process.
References:
? Nutanix Billing and Payment Documentation
? Pay As You Go Subscription Payment Methods Guide

NEW QUESTION 40

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:
? Comparison of Roles:
? 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

NEW QUESTION 44

An administrator has been tasked with ensuring NC2 VMs are able to access Azure and on-premises resources. The NC2 VM traffic must not traverse the internet. How can the administrator achieve this?

- A. By using an SSH connection
- B. By using an Interface Endpoint
- C. By using ExpressRoute
- D. By using a Site-to-Site VPN

Answer: C

Explanation:

? Requirement Analysis: The NC2 VMs need to access Azure and on-premises resources without traversing the internet, ensuring secure and direct connectivity.
? Solution Options:
? Conclusion: ExpressRoute is the optimal solution as it offers a private connection that does not involve internet traversal, ensuring secure and efficient access to both Azure and on-premises resources.
References:
? Azure ExpressRoute Documentation
? Nutanix Clusters on Azure Networking Guide

NEW QUESTION 46

What is an available log module when configuring a syslog server in the Prism Central Admin Center?

- A. Prism
- B. Zookeeper
- C. API Audit
- D. Acropolis

Answer: D

Explanation:

? Log Modules in Prism Central: When configuring a syslog server, different log modules can be selected to send logs to an external syslog server for centralized logging and analysis.
? Acropolis Logs: The Acropolis module captures logs related to the Acropolis Hypervisor (AHV), including virtual machine operations, storage operations, and other critical functions within the Nutanix environment.
References:
? Nutanix Prism Central Administration Guide
? Nutanix Acropolis Documentation

NEW QUESTION 47

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