

Nutanix

Exam Questions NCP-CI-Azure

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



NEW QUESTION 1

An administrator is tasked with adding an Azure account to the NC2 console. A requirement is to configure an Azure user that can open, close or extend a support tunnel for the Nutanix Support team.

Which permission must be assigned to the user?

- A. Customer Auditor
- B. Account Administrator
- C. Cluster Administrator
- D. Cluster Auditor

Answer: B

Explanation:

? Account Administrator Role: This role grants the necessary permissions for managing the Azure account, including the ability to open, close, or extend a support tunnel. These capabilities are crucial for the Nutanix Support team to perform diagnostics and troubleshooting efficiently.

? Permissions Included: The Account Administrator role encompasses broader account management rights, ensuring that the user can interact with various support and operational aspects of the NC2 environment within Azure.

References:

? Azure Role-Based Access Control (RBAC) Documentation

? Nutanix NC2 Support Tunnel Requirements

NEW QUESTION 2

Which web interface should be used to most efficiently terminate a Nutanix cloud cluster?

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

Answer: C

Explanation:

To efficiently terminate a Nutanix cloud cluster, the NC2 (Nutanix Cloud Clusters) Console should be used. The NC2 Console provides the necessary tools and interface specifically designed for managing and terminating Nutanix clusters within cloud environments, ensuring a seamless and efficient process.

References:

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 cloud.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 IP 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 has been asked to create a cluster to support new workloads.

What are the maximum number of nodes supported in an NC2 on Azure environment?

- A. 14 nodes
- B. 18 nodes
- C. 24 nodes
- D. 28 nodes

Answer: B

Explanation:

- ? NC2 Cluster Node Limit: NC2 on Azure has specific limitations regarding the maximum number of nodes supported in a single cluster.
 - ? Maximum Nodes: According to the current NC2 on Azure guidelines, a single cluster can support up to 18 nodes.
 - ? Workload Support: This limitation ensures optimal performance and management of resources within the Azure environment.
 - ? Comparison of Options:
 - ? Conclusion: For supporting new workloads, the maximum number of nodes in an NC2 on Azure environment is 18.
- References:
- ? Nutanix Clusters on Azure Technical Specifications
 - ? Azure Virtual Machine Scale Sets Documentation

NEW QUESTION 8

An NC2 on Azure environment requires that outside networks are allowed to be routed to a Nutanix User VPC from outside the cluster when using a No-Nat path. Which configuration will satisfy this requirement?

- A. Internally routable network address which shares the same address space of the Nutanix set VPC
- B. Externally routable IP address which shares the same address space of the Native Azure Subnet
- C. Internally routable network address which shares the same address space of the Native Azure Subnet
- D. Externally routable IP address which shares the same address space of the Nutanix User VPC

Answer: D

Explanation:

- ? No-NAT Path Requirement: For a No-NAT path to function, the external networks must be able to route traffic directly to the Nutanix User VPC without translation.

? Externally Routable IP Address: The externally routable IP address ensures that traffic from outside networks can reach the Nutanix User VPC.
? Address Space Compatibility: Sharing the same address space as the Nutanix User VPC allows for seamless integration and communication between the external network and the User VPC.
References:
? Azure Virtual Network Documentation on IP Addressing
? Nutanix NC2 Configuration Guide on No-NAT Networking

NEW QUESTION 9

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 10

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.

References:

? Nutanix NC2 on Azure Documentation

? Azure Subscription Management

NEW QUESTION 10

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 15

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 16

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 19

An administrator is tasked with providing User VMs in Azure that are hosted within a Flow NAT network outbound internet connectivity. In which order would the traffic flow through each component?

- A. User VM > Flow Gateway > Floating IP Address > Azure NAT GW
- B. User VM > Floating IP Address > Flow Gateway > Azure LB
- C. User VM > Delegated Subnet > Flow Gateway > Floating IP Address > Azure LB
- D. User VM > Delegated Subnet > Flow Gateway > Floating IP Address > Azure NAT GW

Answer: D

Explanation:

? User VM: The initial source of the traffic within the Azure environment.

? Delegated Subnet: Traffic from the User VM flows through the delegated subnet, which is configured to handle specific network traffic.

? Flow Gateway: The Flow Gateway manages and routes the traffic from the delegated subnet, providing network services and connectivity.

? Floating IP Address: The Flow Gateway assigns a floating IP address for the outbound traffic, facilitating NAT operations.

? Azure NAT Gateway: The traffic is then routed through the Azure NAT Gateway, which provides outbound internet connectivity for the User VMs, ensuring secure and efficient routing.

References:

- ? Azure Virtual Network NAT Documentation
- ? Nutanix NC2 Configuration Guide

NEW QUESTION 23

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 26

An administrator has setup a routed external network (No NAT) to use for workload running in NC2 clusters on Azure. The applications are network intensive, so four gateways VMs have been deployed to meet the high demands. One application server on the NC2 clusters is sending traffic to an outside Azure service. How many flow gateway VMs will be used to distribute the traffic?

- A. All four Flow Gateway instances will be used based on the ECMP default route that points to the external subnets in the Nutanix Transit VPC, but only for sending traffic
- B. Return traffic by use one Flow Gateway VM.
- C. two flow gateway instances will be used based on limitations from using MAC addresses to redistribute traffic.
- D. Only one Flow Gateway instance will be used per source application running on NC2.
- E. All four Flow Gateway instances will be used based on the ECMP default route that points to the external subnets in the Nutanix Transit VPC for sending and receiving traffic.

Answer: D

Explanation:

? Equal-Cost Multi-Path (ECMP) Routing:ECMP allows multiple gateways to be used simultaneously for load balancing traffic across multiple paths. In this scenario, ECMP is configured to point to the external subnets in the Nutanix Transit VPC.

? Traffic Distribution:All four Flow Gateway instances will be used to distribute the outgoing traffic from the application server based on the ECMP default route configuration. This ensures efficient load balancing and utilization of all available gateway resources.

? Bidirectional Traffic:Both sending and receiving traffic will utilize all four Flow Gateway instances, ensuring high availability and performance for network-intensive applications.

References:

? Nutanix NC2 Networking Guide

? Azure Networking Documentation on ECMP

NEW QUESTION 31

NC2 Azure API calls are failing and MCM no longer shows telemetry or health of the cluster. Where should the administrator look first?

- A. Check whitelisting of Outbound Communication
- B. Log into Prism and check alerts and notifications
- C. SSH into the NC2 Azure CVMs
- D. Check VPN/ExpressRoute

Answer: A

Explanation:

? Outbound Communication Whitelisting:For NC2 Azure API calls and telemetry data to function correctly, certain outbound communications must be allowed. If these communications are not whitelisted, API calls can fail, and telemetry or health data might not be reported correctly.

? First Check:Given the symptoms (failing API calls and missing telemetry), the first step should be to ensure that all necessary outbound communications are correctly whitelisted. This includes ensuring that endpoints and services required for NC2 operation are accessible.

References:

? Nutanix NC2 Networking Requirements

? Azure Networking and Security Configuration Guide

NEW QUESTION 36

What is the purpose of an organization in the NC2 console?

- A. To Link with a Public Cloud account
- B. To link with NC2 subscription plans
- C. To segregate clusters based on specific requirements
- D. To map the on-premises Prism Central environment

Answer: C

Explanation:

? Purpose of an Organization in NC2:In the NC2 console, an organization serves to manage and segregate clusters based on specific requirements such as departmental needs, project goals, or security policies.

? Cluster Management:This segregation allows administrators to apply unique configurations, permissions, and policies to different clusters within the same environment, providing flexibility and control over resource allocation and management.

References:

? Nutanix NC2 Console Documentation

? Best Practices for Managing NC2 Clusters

NEW QUESTION 41

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 42

A new subnet needs to be created within Flow Virtual Networking to accommodate a new type of workload in the company??s NC2 Azure instance.

Which type of network will satisfy this task?

A. Underlay

B. Overlay

C. VPC

D. VNET

Answer: B

Explanation:

? Flow Virtual Networking: Nutanix Flow Virtual Networking allows for the creation of overlay networks to segment and manage network traffic.

? Network Types:

? Requirement: Creating a subnet for new workloads within Flow Virtual Networking suggests using an overlay network for logical separation and management.

? Conclusion: An overlay network within Flow Virtual Networking will satisfy the task of accommodating a new type of workload in the NC2 Azure instance.

References:

? Nutanix Flow Networking Guide

? Azure Virtual Network Documentation

NEW QUESTION 43

An administrator deploys an NC2 cluster in Azure and uses 10.100.0.0/16 for one of the VNets.

The cluster is configured as follows:

* 8 nodes

* Prism Central Deployed

* Files Deployed

Following the deployment, the administrator experiences network connectivity issues. Which reason explains the connectivity issues?

A. The 10.100.0.0/16 range is not a valid CIDR range.

B. 10.100.0.0/16 range is reserved for internal cluster usage.

C. The W.100.0.0/16 range contains too many IP addresses for an NC2 cluster.

D. The 10.100.0.0/16 range is reserved by IANA.

Answer: B

Explanation:

? Network Configuration: Using a specific IP range for a VNet can cause conflicts if that range is reserved or already in use by the cluster??s internal operations.

? Internal Usage: In NC2, certain IP ranges are reserved for internal cluster functions and should not be used for VNets to avoid IP conflicts and connectivity issues.

? Impact: If the 10.100.0.0/16 range is reserved for internal usage, using it for a VNet would lead to IP conflicts, causing network connectivity issues.

? Verification: It??s important to verify the reserved IP ranges in the NC2 documentation before assigning them to VNets.

? Conclusion: The connectivity issues are likely due to using the 10.100.0.0/16 range, which is reserved for internal cluster usage.

References:

? Nutanix Networking Guidelines

? Azure Virtual Network Documentation

NEW QUESTION 45

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

The desktop running on the cluster need to contact resources on-premises through the ExpressRoute that has been setup. The 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 VP

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 48

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 52

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 57

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

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

- A. Microsoft.HybridNetwork
- B. Microsoft.Network
- C. Microsoft.Nutanix
- D. Microsoft.HybridCompute

Answer: BC

Explanation:

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

? Required Providers:

? Other Providers:

? 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

NEW QUESTION 62

The cluster has the following configuration:

A Transit VPC exists as Default, but is additionally configured with a overlay-external- subnet-nonat overlay subnet

The ERP for the Transit VPC is 10.1.1.0/25 A User VPC exists named User_VPC_Prod The ERP for the User VPC is 10.1.1.0/24

Outbound and inbound routes have been configured

A User VM NO-NAT subnet has been configured in the User VPC

The administrator has successfully created a VM and added the NIC associated with the NO-NAT subnet, but is not able to communication with other resources.

Which option will resolve this issue?

- A. The ERP in the User VPC must be from a different CIDR range than the ERP in the transit VPC.
- B. Ensure that the security groups associated with the VM allow traffic to and from the desired resources.
- C. Verify that the route table associated with the User VPC has appropriate routes to the Transit VPC.
- D. Check that the network ACLs for the NO-NAT subnet are not blocking the necessary traffic.

Answer: A

Explanation:

In this scenario, the issue arises from overlapping IP address ranges between the Transit VPC and the User VPC. Here's a detailed breakdown:

? Understanding ERPs (Elastic Routing Prefixes):

? IP Address Overlap:

? Communication Issue:

? Resolution:

By ensuring that the ERPs are in different CIDR ranges, the network can properly route traffic between the VPCs without any conflicts or ambiguities, thereby enabling the VM in the User VPC to communicate with other resources effectively.

NEW QUESTION 63

An administrator is tasked to identify the firewall requirement and submit the port request to the requirement team before the clusters deployment.

Which requirement should the administrator ensure is implemented on the corporate firewall?

A. ICMP can be disabled but the connectivity should be enabled between the CVM

B. Prism Element, and Prism Central.

C. Allow bi-directional Internet Control Message Protocol (ICMP) traffic between the CVMs, Prism Element, and Prism Central.

D. Allow uni-directional Internet Control Message Protocol (ICMP) traffic between the CVMs, Prism Element, and Prism Central.

E. ICMP and connectivity can be disabled between the CVMs, Prism Element, and Prism Central

Answer: B

Explanation:

? ICMP Traffic: ICMP is essential for network diagnostics and troubleshooting, such as ping and traceroute, which help in monitoring the connectivity and health of the network.

? Bi-Directional Traffic: Allowing bi-directional ICMP traffic ensures that all nodes (CVMs, Prism Element, and Prism Central) can both send and receive diagnostic messages, which is crucial for maintaining proper communication and network stability.

References:

? Nutanix Networking and Connectivity Requirements

? Corporate Firewall Configuration Guidelines

NEW QUESTION 66

A company needs to establish connectivity between the on-premises datacenter and Azure. The company does not have the infrastructure for a dedicated connection.

Which method will best satisfy this requirement?

A. Azure Virtual WAN

B. VPN

C. VNet Peering

D. ExpressRoute

Answer: B

Explanation:

? VPN for Connectivity: A VPN (Virtual Private Network) allows secure connectivity between the on-premises datacenter and Azure over the public internet without requiring dedicated infrastructure.

? Ease of Setup: VPNs are typically easier and quicker to set up compared to dedicated connections like ExpressRoute, making them suitable for organizations without existing dedicated connection infrastructure.

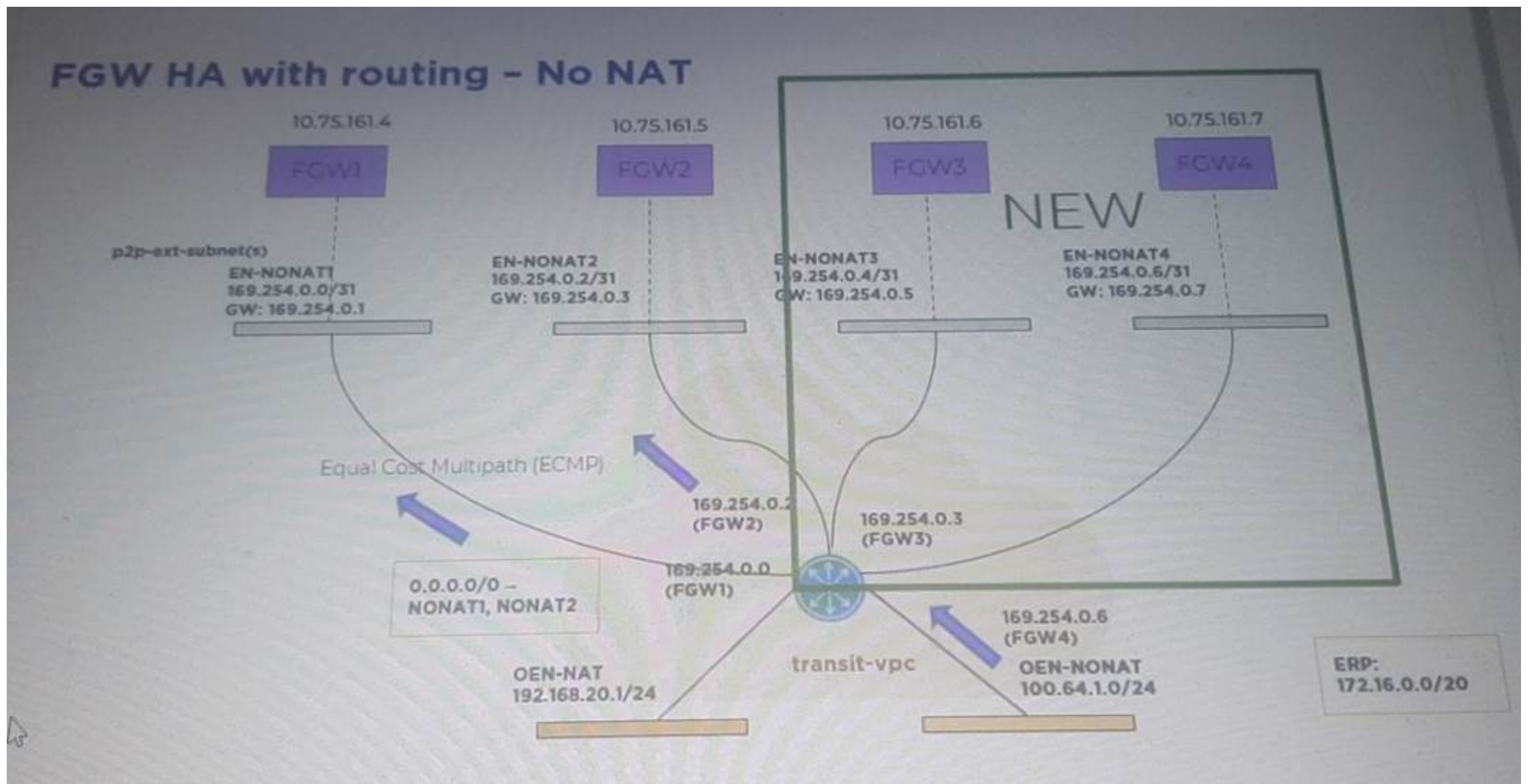
References:

? Azure VPN Gateway Documentation

? Nutanix NC2 Connectivity Guide

NEW QUESTION 70

Exhibit.



AN NC2 on Azure Cluster was deployed with two Flow gateways in HA (FGW1 and FGW2). After a week of use. Four bare-metal nodes, were added to the NC2 cluster and additional workloads were added. It was determined that additional bandwidth for north/South traffic would be needed. Two additional Flow gateways were added (FGW3 and FGW4) from the NC2 portal configuration menu. The existing workloads prior to expansion on the NC2 cluster will be able to use which Flow Gateways using the No-Nat (routed) traffic path?

- A. Only the Flow Gateway that each workload was originally using.
- B. All Flow Gateways can be used.
- C. All Flow Gateways can be used after the existing workloads reboot.
- D. FGW1&FGW2 only, new workloads can use FGW3 & FGW4.

Answer: B

Explanation:

In the scenario presented, the NC2 cluster was initially deployed with two Flow Gateways (FGW1 and FGW2) in HA. After adding four bare-metal nodes and additional workloads, two more Flow Gateways (FGW3 and FGW4) were added to handle the increased bandwidth for north/south traffic. Given the configuration, the existing workloads can utilize all available Flow Gateways (FGW1, FGW2, FGW3, and FGW4) for No-NAT (routed) traffic paths. This setup allows for Equal Cost Multipath (ECMP) routing, distributing traffic load across all Flow Gateways.

References

? Nutanix Flow Networking

NEW QUESTION 73

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 78

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 81

A company wants NC2 networking components to be created manually with the correct naming convention. To achieve this the administrator manually creates the PC and Host VNets in Azure.

What additional Azure Network components must the administrator manually create?

A. NAT Gateway

B. Delegated Subnets, Flow Gateway Subnets, Transit VPC

C. NAT Gateways, Delegated Subnets, Flow Gateway Subnets, VNet Peers

D. Internet Gateways, Private Endpoints, Flow Gateway Subnets, VNet Peers

E. Internet Gateway

F. Delegated Subnets, Flow Gateway Subnets, VNet Peers

Answer: B

Explanation:

? NAT Gateways: Necessary for providing outbound internet access to resources in the private subnet. It ensures that the virtual network can communicate with external services securely.

? Delegated Subnets: Required for deploying specific Azure services within the virtual network, allowing controlled access and management of the resources within these subnets.

? Flow Gateway Subnets: These subnets are used for managing traffic flow within the network, ensuring efficient routing and connectivity between different parts of the NC2 infrastructure.

? VNet Peers: Establish connections between different virtual networks within Azure, enabling seamless communication and resource sharing across various parts of the NC2 deployment.

References:

? Azure Virtual Network Documentation

? Nutanix NC2 Networking Setup Guide

NEW QUESTION 82

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 86

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 91

An organization want to use existing Azure resources to deploy NC2. What is a valid requirement to use existing Azure resources for this task?

- A. More than two DNS servers must be used.
- B. A new Azure resource group must be created where all resources, such as VNets must be created.
- C. Azure NAT gateway must be attached to the cluster management Prism Central, and external Flow Gateway subnets.
- D. The fastpathenabled tag must be added after creating a NAT gateway.

Answer: B

Explanation:

? Resource Group Requirement: When deploying NC2 on Azure, it is essential to organize resources such as VNets, subnets, and other components in a dedicated resource group. This helps in managing and maintaining the resources efficiently.

? New Resource Group: Creating a new Azure resource group ensures that all the necessary NC2 resources are isolated and managed together, avoiding conflicts with existing resources and providing a clear separation for administration and billing purposes.

References:

? Azure Resource Group Documentation

? Nutanix NC2 Deployment Guide

NEW QUESTION 95

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 97

A nutanix user VPC called servers has three subnets called Tier1, tier2 and Darren-Tier3.

*Servers: 10.0.0.0/16

* Tier1: 10.0.0.0/16

* Tier2: 10.0.0.0.128/25

* Darren-Tier3: 10.0.4.0/24

An administrator wants to keep Darren-Tier3 isolated and not receive any outside traffic. In order properly route for Tier1 and Tier2 coming from native subnets for Azure, what should the ERP be set to?

- A. Transit VPC ERP set to 10.0.0.0/20 and Servers ERP set to 10.0.0.0/24
- B. Transit VPC ERP set to 10.0.0.0/16 and Servers ERP set to 10.0.0.0/25
- C. Transit VPC ERP set to 10.0.0.0/24 and Servers ERP set to 10.0.0.0/24
- D. Transit VPC ERP set to 10.0.0.0/16 and Servers ERP set to 10.0.4.0/24

Answer: D

Explanation:

? ERP Configuration: ERP (External Route Prefix) settings determine how traffic is routed between subnets and VPCs.

? Objective: The goal is to isolate Darren-Tier3 while ensuring proper routing for Tier1 and Tier2.

? Transit VPC ERP: Setting it to 10.0.0.0/16 ensures that it covers the entire VPC range, allowing traffic within Tier1 and Tier2.

? Servers ERP: Setting it to 10.0.4.0/24 ensures isolation for Darren-Tier3 by limiting traffic to that specific subnet and preventing external traffic from reaching it.

? Conclusion: This configuration achieves the isolation of Darren-Tier3 while allowing proper routing for Tier1 and Tier2.

References:

? Nutanix Networking Documentation

? Azure Virtual Network Documentation

NEW QUESTION 102

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