Vendor: Nutanix

Exam Code: NCP-CI-AWS

Exam Name: Nutanix Certified Professional - Cloud

Integration - AWS

Version: DEMO

QUESTION 1
A company has purchased Nutanix AOS Pro licensing. Which add-on products are available with this license tier in the AWS cluster deployment wizard?

A. EUC
B. Nus
C. Self-Service and Cost Governance
D. Files, Advanced Replication, and DARE

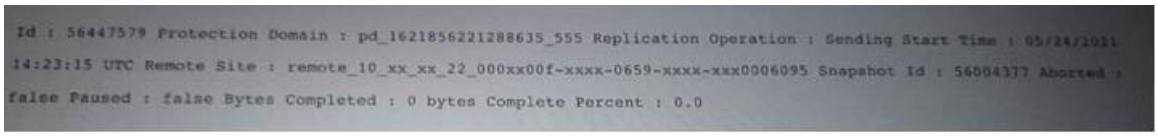
Answer: D
Explanation:
With the Nutanix AOS Pro licensing, several advanced features and add-on products become available. Specifically, in the AWS cluster deployment wizard, the following add-ons are available:
Files:
Nutanix Files provides a software-defined, scale-out file storage solution that simplifies the management and scaling of unstructured data.
Advanced Replication:
Advanced Replication features in Nutanix include synchronous and asynchronous replication capabilities, allowing for robust disaster recovery and data protection solutions.
DARE (Data-At-Rest Encryption):
DARE ensures that all data stored on Nutanix clusters is encrypted, providing a higher level of security for sensitive information.
These features are included in the AOS Pro licensing tier, offering enhanced data management, protection, and security capabilities.

QUESTION 2
An administrator is planning a new NC2 on AWS deployment. The workload VMs to be deployed on the new cluster have low storage and memory, but high CPU frequency (>3.0 GHz) requirements. The administrate! has also been tasked with ensuring that the cluster nodes have the lowest number of CPU cores to reduce application licensing requirements. Which node type will satisfy this new deployment?

A. i3.metal
B. z1d.metal
C. i4i.metal
D. m5d.metal

Answer: A
Explanation:
For a new NC2 on AWS deployment where workload VMs have low storage and memory requirements but high CPU frequency (>3.0 GHz) requirements, and the goal is to minimize the number of CPU cores to reduce application licensing costs, the i3.metal instance type is the most suitable.
i3.metal:
High CPU Frequency: i3.metal instances offer high-frequency Intel Xeon processors (up to 3.1 GHz) which meet the high CPU frequency requirement.
Low Storage and Memory: These instances come with a balanced amount of storage and memory, suitable for workloads with low requirements in these areas. Minimized CPU Cores: i3.metal instances have fewer CPU cores compared to other high-frequency instances like i4i.metal, making them ideal for minimizing application licensing costs.

QUESTION 3
What does the exhibit indicate?



A. No ongoing replication
B. Ongoing replication
C. Replication in paused state
D. Replication in error state

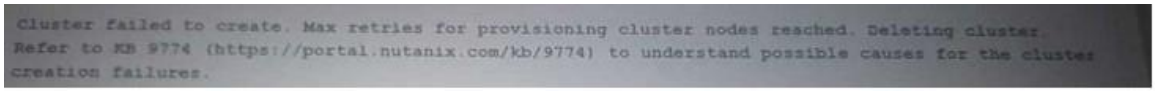
Answer: A
Explanation:
The exhibit indicates a replication operation with specific details about the protection domain, remote site, and snapshot. Key points to note are:
Bytes Completed: 0 bytes completed.
Complete Percent: 0.0%
Paused: false
Aborted: false
Given these details:
No ongoing replication: The operation has started, but there is no progress in terms of bytes completed or percentage completed. Since the status shows 0 bytes and 0 percent completed, it indicates that no data has been replicated yet.

QUESTION 4
An administrator is tasked with adding an AWS account to the NC2 console. A requirement is to configure an AWS IAM user with the appropriate permissions. Which permission must be assigned to the user?

A. IAMFullAccess
B. IAMReadOnlyAccess
C. AmazonEC2ReadOnlyAccess
D. AmazonEC2FullAccess

Answer: D
Explanation:
To add an AWS account to the NC2 console, an AWS IAM user needs to be configured with the appropriate permissions to manage the EC2 resources. The required permission for the IAM user includes full access to manage EC2 instances, volumes, and related resources.
AmazonEC2FullAccess:
This permission grants full access to all EC2 resources, including the ability to create, modify, and delete instances, volumes, security groups, and more. Essential for NC2 operations to manage the lifecycle of EC2 instances and associated components within the AWS environment.

QUESTION 5
An administrator has created an NC2 cluster on AWS, but the NC2 console has issued this alert:



Which two scenarios could have resulted in the cluster creation failure? (Choose two.)

A. Bad Terraform (TF) state in provisioning
B. Insufficient permissions
C. No available AWS credits
D. AWS Quota exceeded/instance limit exceeded

Answer: BD
Explanation:
The error message in the image indicates that the cluster creation failed due to reaching the maximum retries for provisioning cluster nodes. Here are two possible scenarios that could lead to this issue:
Insufficient Permissions (Answer B):
If the AWS user or role used to create the cluster does not have sufficient permissions, it can result in failures during the provisioning process. Proper IAM policies must be attached to ensure that the necessary actions can be performed, such as launching instances, creating VPCs, or managing networking components.
AWS Quota Exceeded/Instance Limit Exceeded (Answer D):
AWS imposes quotas and limits on the number of instances and other resources that can be created within an account. If these quotas are exceeded, new instances cannot be provisioned, causing the cluster creation to fail. This can be resolved by requesting a quota increase from AWS.

QUESTION 6
What is an available log module when configuring a syslog server in the Prism Central Admin Center?

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

Answer: D
Explanation:
When configuring a syslog server in the Prism Central Admin Center for Nutanix, one of the available log modules is Acropolis.
The Acropolis module logs system events related to the Nutanix Acropolis operating system, which is critical for monitoring and auditing system activities and performance.
Configuring syslog with the Acropolis module ensures that important events and issues related to the Acropolis environment are captured and can be forwarded to an external syslog server for centralized logging and analysis.

QUESTION 7
What role is needed to create a cluster?

A. Customer Administrator
B. Customer Security Administrator
C. Cluster Super Admin
D. Cluster Administrator

Answer: C
Explanation:
To create a cluster in Nutanix Cloud Integration with AWS, the role needed is Cluster Super

Admin. The Cluster Super Admin role provides the highest level of privileges required to perform critical operations such as creating, managing, and deleting clusters. This role is essential for overseeing the cluster setup and configuration processes, ensuring the user has full control over the cluster lifecycle.

QUESTION 8
An administrator is tasked with enabling inbound internet access to two Virtual Servers in an NC2 cluster on AWS for the HTTPs protocol.

The cluster is configured with:

```
- 8 nodes
- Prism Central
- 3 x User VM subnets
```

All subnets have been configured and can communicate with Internet-based resources as well as on-premises servers. The company d to allow Internet access, so the administrator must implement an AWS solution.

Which approach will enable the necessary communication?

A. Create a WS Network Load Balancer, configure the listener TCP port as 80, create a target groud and register the servers as the endpoint
B. Create a AWS Network Load Balancer, configure the listener TCP port as 443, create a target group and register an HP as the endpoint.
C. Create a AWS Network Load Balancer, configure the lister TCP port as 433, create a target group and register an EIP as the Endpoint.
D. Create a AWS Network Load Balancer, configure the listener TCP port as 80, create a target group and register the servers as targets.

Answer: B
Explanation:
To enable inbound internet access to Virtual Servers in an NC2 cluster on AWS for the HTTPS protocol, the administrator should use an AWS Network Load Balancer (NLB).
Configure the NLB listener to listen on TCP port 443, which is the standard port for HTTPS traffic.
Create a target group in AWS, and register the servers (Virtual Servers in the NC2 cluster) as targets within this group.
Ensure the NLB is properly configured with an Elastic IP (EIP) if required, to provide a static IP address for the load balancer.
Verify that the security groups and network ACLs associated with the load balancer and the target group allow inbound traffic on port 443.

QUESTION 9
To manually create an AWS VPC with Public access to Prism Element for testing purposes, Which components must be created?

A. VPC, Delegated Subnets, Route Tables, NAT Gateway, Internet Gateway, Load balancer
B. VPC, Delegated Subnets, Route Tables, NAT Gateway, vNets, Load balancer
C. VPC Subnets Route Tables NAT Gateway, Internet Gateway, Load balancer
D. VPC Subnets Route subnets, Route Tables, NAT Gateway, Internet Gateway, VPN

Answer: A
Explanation:

To manually create an AWS VPC with Public access to Prism Element for testing purposes, the following components must be created:
VPC: A Virtual Private Cloud to provide an isolated network for the resources.
Delegated Subnets: Subnets within the VPC to segment the network and allocate IP ranges.
Route Tables: To define routing rules for the subnets to ensure proper traffic flow.
NAT Gateway: To enable instances in the private subnets to access the internet.
Internet Gateway: To allow direct internet access to instances in the public subnets.
Load Balancer: To distribute traffic across multiple instances for improved availability and redundancy.

QUESTION 10
An administrator seeks to ensure that the newly created NC2 organization named Finance can only deploy clusters into certain cloud regions. What action should the administrator take to do this?

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

Answer: D
Explanation:
To ensure that the newly created NC2 organization named Finance can only deploy clusters into certain cloud regions, the administrator should specify the allowed regions during the cloud account configuration.
This action restricts the regions available for cluster deployment, ensuring compliance with organizational policies or regulatory requirements.
The allowed regions can be set in the cloud account settings associated with the Finance NC2 organization, defining the geographical scope of operations.

QUESTION 11
When selecting the NC2 subscription plan from the Nutanix Billing portal, which options are available?

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

Answer: C
Explanation:
When selecting the NC2 subscription plan from the Nutanix Billing portal, the available options include:
Pay-as-you-Go (PayG): A flexible payment option where users are billed based on their actual usage, providing cost efficiency for variable workloads.
Bring your own License (BYOL): Allows users to utilize existing Nutanix licenses they have purchased, offering a cost-effective way to leverage existing investments in Nutanix software.

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