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Nutanix NCS-Core

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QUESTION NO: 1

A customer would like to re-image an existing cluster. The Foundation Applet and Foundation VM is unavailable to them.

How can the consultant access Foundation-as-a-Service (FaaS)?

- A. Through :9443
- B. Through :8000
- C. Through :9443
- D. Through :8000

ANSWER: D

QUESTION NO: 2

An administrator is responsible for the following Nutanix Enterprise Cloud environment:

- A central datacenter with a 20-node cluster with 1.5PB of storage
- Five remote sites each with a 4-node cluster with 200TB storage

The remote sites are connected to the datacenter via 1GB links with an average latency of 6 ms RTT. What is the minimum RPO the administrator can achieve for this environment?

- A. 0 minutes
- B. 15 minutes
- C. 1 hour
- D. 6 hours

ANSWER: B

Explanation:

: Ref:https://supportportal.nutanix.com/page/documents/details?targetId=Web-Console-Guide-Prism-v5_10:wcprotection-domain-wc-c.html

QUESTION NO: 3

A consultant is setting up a new vSphere cluster. Customer requirements are as follows:

- * VMs should automatically failover to another host if the host crashes
- * Host CPU and Memory resources should be evenly balanced
- * New VMs should be placed on the host with the most resources available

Which two settings should be turned on to meet the requirements? (Choose two.)

- A. vSphere DRS
- B. vSphere HA
- C. vSphere vMotion
- D. vSphere Power Management

ANSWER: A B

QUESTION NO: 4

An administrator is monitoring the Nutanix v5.15-based AOS cluster performance logs and notices that a SQL server VM is greatly exceeding its intended maximum IOPS. The administrator has confirmed that a QoS policy was previously created for the group of VMs this server is a member of.

What are two reasons that this VM would exceed its maximum configured IOPS from the QoS Policy? (Choose two.)

- A. The VM is missing the required snapshot needed to implement the QoS Policy.
- B. The VM was not created as an AFS virtual machine.
- C. The SQL Server VM has volume groups attached.
- D. It was cloned from another SQL Server VM that was a member of the QoS Policy.

ANSWER: B C

Explanation:

: Ref: https://portal.nutanix.com/page/documents/details?targetId=PrismCentral-Guide-Prism-v5_18:mul-storage-qos-pc-c.html

QUESTION NO: 5 - (HOTSPOT)

HOTSPOT

An administrator is configuring an All Flash cluster to support the following workloads:

- Full clone virtual desktops
- Hadoop
- Write heavy databases

Which three correct configuration options should the administrator use to meet the item requirements? (Choose three.)

For each procedure, indicate whether it is a correct or incorrect procedure that must be configured to meet the item requirements using the drop-down option.

Procedure	Correct/Incorrect
One container with compression and deduplication enabled for full clone virtual desktops	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with compression and Erasure Coding enabled for Hadoop	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with compression enabled for heavy databases	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with deduplication enabled for full clone virtual desktops	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with Erasure Coding enabled for Hadoop	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>
One container with deduplication enabled for Hadoop	<input type="text" value="Select"/> <input checked="" type="text" value="Select"/> <input type="text" value="Correct"/> <input type="text" value="Incorrect"/>

ANSWER:

Procedure

One container with compression and deduplication enabled for full clone virtual desktops

Correct/Incorrect

Select Select Correct Incorrect

One container with compression and Erasure Coding enabled for Hadoop

Select Select Correct Incorrect

One container with compression enabled for heavy databases

Select Select Correct Incorrect

One container with deduplication enabled for full clone virtual desktops

Select Select Correct Incorrect

One container with Erasure Coding enabled for Hadoop

Select Select Correct Incorrect

One container with deduplication enabled for Hadoop

Select Select Correct Incorrect

Explanation:

Procedure	Correct/Incorrect
One container with compression and deduplication enabled for full clone virtual desktops	<input type="radio"/> Select <input checked="" type="radio"/> Correct <input type="radio"/> Incorrect
One container with compression and Erasure Coding enabled for Hadoop	<input type="radio"/> Select <input checked="" type="radio"/> Correct <input type="radio"/> Incorrect
One container with compression enabled for heavy databases	<input type="radio"/> Select <input checked="" type="radio"/> Correct <input type="radio"/> Incorrect
One container with deduplication enabled for full clone virtual desktops	<input type="radio"/> Select <input checked="" type="radio"/> Correct <input type="radio"/> Incorrect
One container with Erasure Coding enabled for Hadoop	<input type="radio"/> Select <input checked="" type="radio"/> Correct <input type="radio"/> Incorrect
One container with deduplication enabled for Hadoop	<input type="radio"/> Select <input checked="" type="radio"/> Correct <input type="radio"/> Incorrect

QUESTION NO: 6

A Nutanix cluster is deployed with the following configuration:

- Three four-node blocks (A, B, and C)
- All Flash Redundancy Factor 2

What is the effect of simultaneous disk failures on two nodes located in block A?

- A.** VMs are migrated off of the nodes with disk failures.
- B.** Each node with a failed disk is marked as degraded.
- C.** VM read and write operations continue normally.
- D.** VMs on the nodes with failed disks are unable to write data

ANSWER: C

Explanation:

: Ref:<https://next.nutanix.com/how-it-works-22/redundancy-factor-vsreplication-factor-37486>

Dual Disk Failures :

with Replication Factor = 2, we have two copies of each data block. **Also, with a 4TB Disk which is only 1TB utilised, we will have 1TB worth of blocks/data across the cluster (shorter rebuild times as we factor in the capacity utilised)**- plus with AOS proactive disk alerting, so, unless two disks are pulled at the same time, this can be a very rare occurrence of two drives failing at the same time.

QUESTION NO: 7

Microsegmentation was recently enabled in a Nutanix environment. The administrator wants to leverage Prism Central to create a policy that will block all traffic, regardless of direction, between two groups of VMs identified by their category.

Which policy should be used to meet this requirement?

- A. A Quarantine Policy
- B. An Isolation Environment Policy
- C. An Application Security Policy
- D. A Whitest-Based Policy

ANSWER: B

QUESTION NO: 8

After a consultant runs Foundation, the imaging process fails.

In which two locations can the consultant find the logs? (Choose two.)

- A. On the Hypervisor - /home/nutanix/foundation/logs
- B. Logs link on the Foundation Imaging Screen
- C. On the Foundation VM - /home/nutanix/foundation/logs
- D. On the CVM - /home/Nutanix/foundation/logs

ANSWER: B C

QUESTION NO: 9

A VM does not have enough resources for the demand, which leads to performance bottlenecks. The VM is exhibiting one or more of the following baseline values, based on the past 30 days:

- CPU usage > 90% (moderate), 95% (high)
- CPU ready time > 5%, 10%
- Memory usage > 90%, 95%
- Memory swap rate > 0Kbps (no moderate value)

Which type of VM is being described?

- A. Constrained VM
- B. Bully VM
- C. Inactive VM
- D. Over-provisioned VM

ANSWER: A

QUESTION NO: 10

Refer to the exhibit.

User	Quota	Enforcement
All Users	No quota limit	
fileslab\user1	5 GiB	Soft
All Users in "AAPM"	10 GiB	Hard

User 1 and User 2 belong to the AAPM group

What are two descriptions of how Files perform quota management? (Choose two.)

- A. User 2 can continue to add another 3GB file but will receive a daily notification email.
- B. User 1 can continue to add another 5GB file but will receive a daily notification email.
- C. User 1 can add an 8GB file to the share without receiving notification.
- D. User 2 can add an 8GB file without receiving a notification email.

ANSWER: B D

Explanation:

: Ref:https://portal.nutanix.com/page/documents/details?targetId=Filesv3_6:fil-file-server-quotas-c.html#nconcept_amp_xsm_bx