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QUESTION 1

You are designing an XtremIO solution for a potential customer. If the server and storage information is available, which information should be documented regarding the customer\'s capacity expectations?

A. Capacity requirements on a per data center basis Expandability/scalability Performance requirements determined on a server-to-server basis

B. Capacity requirements on a per volume basis Expandability/scalability Performance requirements determined on a server-to-server basis

C. Capacity requirements on a per volume basis Compression rates/scalability Performance requirements determined on a server-to-server basis

D. Capacity requirements on a per data center basis Expandability/scalability Performance requirements determined holistically
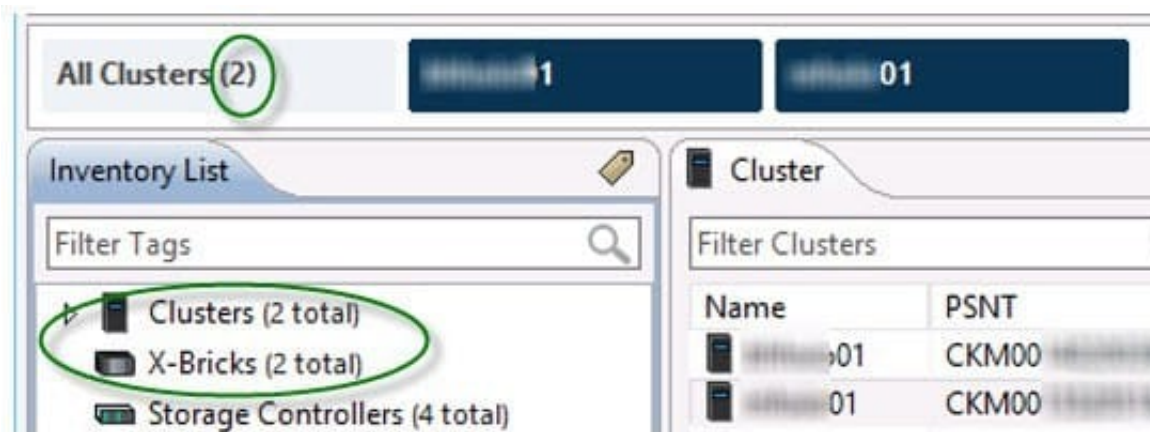
Correct Answer: B

QUESTION 2

How should a storage administrator navigate to different XtremIO clusters from the XMS GUI if the administrator has more than one cluster managed by the same XMS?

A. Click the Cluster Name on the Menu bar near the top of the screen

B. Click the Inventory List button on the Menu bar

C. Click the Administration tab and locate the Cluster Name

D. Click the Cluster Name on the Status bar at the bottom of the screen

Correct Answer: B

From the menu bar, the Inventory icon is to be clicked to display the Inventory workspace. This workspace takes the place of the Hardware workspace in earlier versions of the XtremIO GUI. With the All Clusters tab selected, we can see a list of all the hardware elements in the managed clusters.

Note: With time, additional clusters can be added to a deployed XMS. In addition, a cluster can be easily moved from one XMS to another. All management interfaces (GUI/CLI/REST) offer inherent multi-cluster

management capabilities.

Multiple cluster management is supported from version 4.0 and up.

References:

https://community.emc.com/community/connect/everything_oracle/blog/2015/08/27/xtremio-40-multi-arraymanagement

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QUESTION 3

A storage administrator has 20 TB of storage provisioned to their ESXi cluster from a 10 TB XtremIO storage array. The administrator is concerned about running out of physical capacity on the XtremIO.

Which recommendation will assist the administrator?

A. Enable VAAI TPSTUN

B. Increase the compression ratio on the XtremIO

C. Disable VAAI XCOPY D. Thick provisioned eager zero all VM virtual disks

Correct Answer: A

TPSTUN is a VAAI primitive that enables the array to notify vSphere when a LUN is running out of space due to thin provisioning over-commit. The command causes suspending all virtual machines on that LUN. XtremIO supports this VAAI primitive.

Incorrect Answers:

C: The XtremIO features for VAAI support include:

Clone Blocks/Full Copy/XCOPY

Used for copying or migrating data within the same physical array (VMware term:

HardwareAcceleratedMove).

On XtremIO, this allows VM cloning to take place almost instantaneously, without affecting user I/O on

active VMs.

D: The XtremIO features for VAAI support include: Zero Blocks/Write Same

Used for zeroing-out disk regions (VMware term: HardwareAcceleratedInit).

This feature provides accelerated volume formatting.

References: https://itzikr.wordpress.com/2015/12/16/host-configuration-for-vmware-vsphere-on-emcxtremio/

QUESTION 4

A storage administrator wants to add a volume to their XtremIO storage array using the RESTful API. Which RESTful method should be used to complete this task?

A. HTTP POST

B. HTTP PATCH

C. HTTP LINK D. HTTP PUT

Correct Answer: A

An example of a generic wrapper function that queries XtremIO REST API using HTTP/POST to create a new object with specified properties.

```
function ExecutePostRestQuery ($xmsip,$cfgOption,$data,$headers)
{
    $baseUrl = "https://"+$xmsip
    $resUrl = '/api/json/v2/types/'
    $url = $baseUrl + $resUrl + $cfgOption
    Write-Host $url
    Write-Host $data
    $jsonserialInput = New-Object -TypeName System.Web.Script.Serialization.JavaScriptSerializer
    $jsonserialOutput = New-Object -TypeName System.Web.Script.Serialization.JavaScriptSerializer
    $jsonserialInput.MaxJsonLength = [int]::MaxValue
    $jsonSerialOutput.MaxJsonLength = [int]::MaxValue
    $result = (Invoke-RestMethod -Method POST -Uri $url -Body $data -Headers $headers)
    return $result
}
```

References: https://www.emc.com/collateral/white-papers/h14980-wp-accelerate-sql-lifecyclemanagement.pdf

QUESTION 5

A customer wants to use the Cinder driver to manage XtremIO storage in an OpenStack environment. What is a potential concern?

A. Compression is not supported

B. Deduplication is not supported

C. Snapshots of snapshots are not supported

D. Volume expansion cannot be reversed

Correct Answer: D

Incorrect Answers:

B: OpenStack Cinder features include:

Clone a volume: With inline deduplication, compression and thin provisioning.

C, D: EMC XtremIO OpenStack Block Storage driver, supported operations: Create, delete, clone, attach, and detach volumes Create and delete volume snapshots Create a volume from a snapshot Copy an image to a volume Copy a volume to an image Extend a volume

References: https://docs.openstack.org/juno/config-reference/content/XtremIO-cinder-driver.html
https://www.emc.com/collateral/data-sheet/h13287-ds-xtremio-openstack.pdf

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