# 2V0-21.23 Q&As

VMware vSphere 8.x Professional

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**QUESTION 1**

Which resource pool setting is used to specify the relative priority or importance as high, normal or low? (Choose the best answer.)

A. Limits

B. Reservation type

C. Shares

D. Reservations

Correct Answer: C

Reference:

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-C0D2EFAE-1FE4-4867-AC3F-3E70D9A9ED59.html

**QUESTION 2**

Which action is supported over a VMkernel vMotion TCP/IP stack? (Choose the best answer.)

A. Hot migrations

B. Fault tolerance protection

C. Virtual machine cloning

D. Snapshot creation

Correct Answer: B

**QUESTION 3**

An administrator needs better performance and near-zero CPU utilization from the ESXI hosts for networking functions and processing. The administrator creates a new vSphere Distributed Switch and enables network offloads compatibility. Which solution would help achieve this goal?

A. VSphere Distributed Services Engine

B. Data Processing Units (DPUs)

C. vSphere Network I/O Control

D. Universal Passthrough version 2

Correct Answer: B

Explanation: The solution that would help achieve better performance and near-zero CPU utilization from the ESXi hosts

for networking functions and processing is Data Processing Units (DPUs), which are specialized processors that offload network services from the CPU and provide hardware acceleration.

https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-41AB1101- D943-490A-BF1A-E53433855C07.html

**QUESTION 4**

An administrator is attempting to configure Storage I/O Control (SIOC) on five datastores within a vSphere environment. The administrator is being asked to determine why SIOC configuration completed successfully on only four of the datastores.

What are two possible reasons why the configuration was not successful? (Choose two.)

A. The datastore contains Raw Device Mappings (RDMs).

B. SAS disks are used for the datastore.

C. The datastore has multiple extents.

D. The datastore is using ISCSI.

E. The administrator is using NFS storage.

Correct Answer: AC

Explanation: SIOC configuration may fail if the datastore contains RDMs or has multiple extents, as these are not supported by SIOC.

References: https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-FB3F5C5C-D3F6-4D6F-B1A2- C8C6A2D3A3F9.html

Storage I/O Control is supported on Fibre Channel-connected, iSCSI-connected, and NFS- connected storage. Raw Device Mapping (RDM) is not supported. Storage I/O Control does not support datastores with multiple extents.

**QUESTION 5**

An administrator is creating a content library to manage VM templates and ISO images. The administrator wants to password-protect the images and templates and share them with a remote site. Which two tasks must the administration perform when creating the content library? (Choose two.)

A. Publish the local content library.

B. Enable the security policy.

C. Create a subscribed content library.

D. Select an NFS datastore.

E. Enable authentication.

Correct Answer: AE

Explanation: To password-protect and share images and templates with a remote site, the administrator needs to publish the local content library, which makes it available for subscription by other vCenter Server instances; and enable authentication, which requires users to enter credentials when accessing the content library. References: https://docs.vmware.com/en/VMwarevSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-FBEED81C-F9D9-4193-BDCC-E5752BC82210.html

**QUESTION 6**

When deploying a vCenter Server Appliance, which two single sign-on (SSO)-related options are presented to an administrator? (Choose two.)

A. Create a vCenter Enhanced Linked Mode group

B. Create a vCenter Single Sign-On domain

C. Join an existing vCenter Single Sign-On domain

D. Repoint to another domain

E. Reset Single Sign-On password

Correct Answer: BC

**QUESTION 7**

To keep virtual machines (VMs) up and running at all times in a vSphere cluster, an administrator would like VMs to be migrated automatically when the host hardware health status becomes degraded. Which cluster feature can be used to meet this requirement?

A. Predictive DRS

B. Proactive HA

C. vSphere HA Orchestrated Restart

D. vSphere Fault Tolerance

Correct Answer: B

Explanation: Proactive HA is a cluster feature that can be used to migrate VMs automatically when the host hardware health status becomes degraded, before a failure occurs. References: https://docs.vmware.com/en/VMwarevSphere/7.0/com.vmware.vsphere.avail.doc/GUID-C3FFBF62-D6BF-4A5E-B3FD-BFF622AC2ED9.html

**QUESTION 8**

What can an administrator use to partition limited CPU and memory resources between two departments? (Choose the best answer.)

A. vSphere distributed switch

B. vSphere High Availability

C. vCenter folders

D. Resource pools

Correct Answer: D

## QUESTION 9

How many vSphere Trust Authority Clusters can a Trusted Cluster reference? (Choose the best answer.)

A. 1

B. 4

C. 8

D. 2

Correct Answer: A

Reference:

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-E4945A3B- BCBE-42AD-A00F-6A6957217041.html

## QUESTION 10

Which VMware offering will allow an administrator to manage the lifecycle of multiple vCenter Server instances in a single software as a service (SaaS)-based solution to help drive operational efficiency?

A. VMware vSphere with Tanzu

B. VMware Cloud Foundation

C. VMware vSphere+

D. VMware Aria Suite Lifecycle

Correct Answer: C

Explanation: VCF includes the management domain and multiple workload domains. While VCF does use LCM to manage vCenter lifecycle, it is on-prem only (for now) and is not SaaS based. That only leave vSphere+. See the video in this link about upgrading remote vCenters managed by vSphere+.
https://www.vmware.com/products/vsphere/vsphere-plus.html

## QUESTION 11

An administrator is trying to configure vCenter Single Sign-On from the vSphere Client but does NOT have permission.

Which role is required in order to configure vCenter Single Sign-On? (Choose the best answer.)

A. vCenter Single Sign-On Administrator

B. vCenter Administrator

C. vCenter Server Appliance Root

D. vCenter Power User

Correct Answer: A

Reference:

https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.psc.doc/GUID-75D4E587-3F9B-4B50- 96DA-D6DB6D1781D7.html

**QUESTION 12**

Which feature is a prerequisite for Proactive High Availability (HA)? (Choose the best answer.)

A. vCenter High Availability

B. vSAN Cluster

C. Predictive Distributive Resource Scheduler (DRS)

D. vSphere Distributive Resource Scheduler (DRS)

Correct Answer: D

Reference: https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-3E3B18CC-8574-46FA-9170-CF549B8E55B8.html

**QUESTION 13**

What is the minimum CPU core requirement for successful installation, or upgrade, or ESXi on a host? (Choose the best answer.)

A. 8

B. 1

C. 32

D. 2

Correct Answer: D

Reference:

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.esxi.upgrade.doc/GUID-DEB8086A-306B-4239-BF76-E354679202FC.html

**QUESTION 14**

Which vSphere feature provides for continuous local data center availability? (Choose the best answer.)

A. vSphere Fault Tolerance

B. Cross vCenter Migration

C. vSphere Storage vMotion

D. vSphere Replication

Correct Answer: A

Reference: https://virtualizationreview.com/articles/2015/03/09/vsphere-6-fault-tolerance.aspx

**QUESTION 15**

After adding a new vSphere ESXi host with identical hardware configuration to an existing vSphere cluster, which task would an administrator complete prior to checking the compliance with an existing host profile?

A. Attach the host profile to the new host

B. Duplicate the host profile

C. Copy the host settings from the new host

D. Import the host profile

Correct Answer: A

Explanation: The task that should be completed prior to checking the compliance with an existing host profile is to attach the host profile to the new host, which allows applying the configuration template of the reference host to the new host.

References: https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-0E5BF330-A765-4CDB-A97C- 1D8C26260E5A.html

https://www.nakivo.com/blog/how-to-create-and-set-up-vmware- vsphere-host-profiles/

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