

# VMware

## Exam Questions 2V0-21.20

Professional VMware vSphere 7.x



### NEW QUESTION 1

An administrator is investigating the reason for a powered on virtual machine failing to migrate with the following error log message:

The virtual machine requires hardware features that are unsupported or disabled on the target host.

```
CPUID details: incompatibility at level 0xx register 'xxx'
Host bits: xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx
Required: xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx
```

Which step should the administrator complete to resolve this error? (Choose the best answer.)

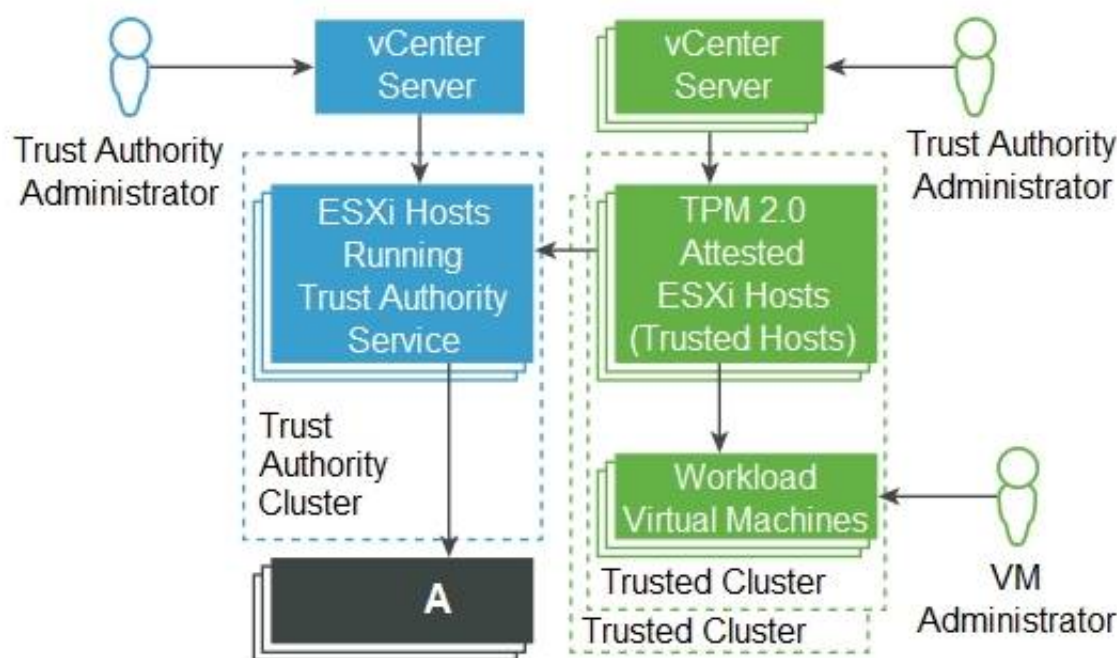
- A. Configure High Availability on the cluster.
- B. Configure vSAN on the cluster.
- C. Configure Distributed Resource Scheduler (DRS) on the cluster.
- D. Configure Enhanced vMotion Compatibility on the cluster.

**Answer: D**

### NEW QUESTION 2

Refer to the exhibit.

**Figure 8-1. vSphere Trust Authority Architecture**



Which trusted infrastructure component is missing and represented by the area labeled "A"? (Choose the best answer.)

- A. Key Management Server
- B. vSphere Virtual Machine Encryption
- C. Key Provider Service
- D. Attestation Service

**Answer: A**

### NEW QUESTION 3

Which two performance tools can be used to monitor virtual machines outside the guest operating system? (Choose two.)

- A. vCenter Server performance charts
- B. Task Manager
- C. top
- D. esxtop
- E. Perfmon

**Answer: AE**

### NEW QUESTION 4

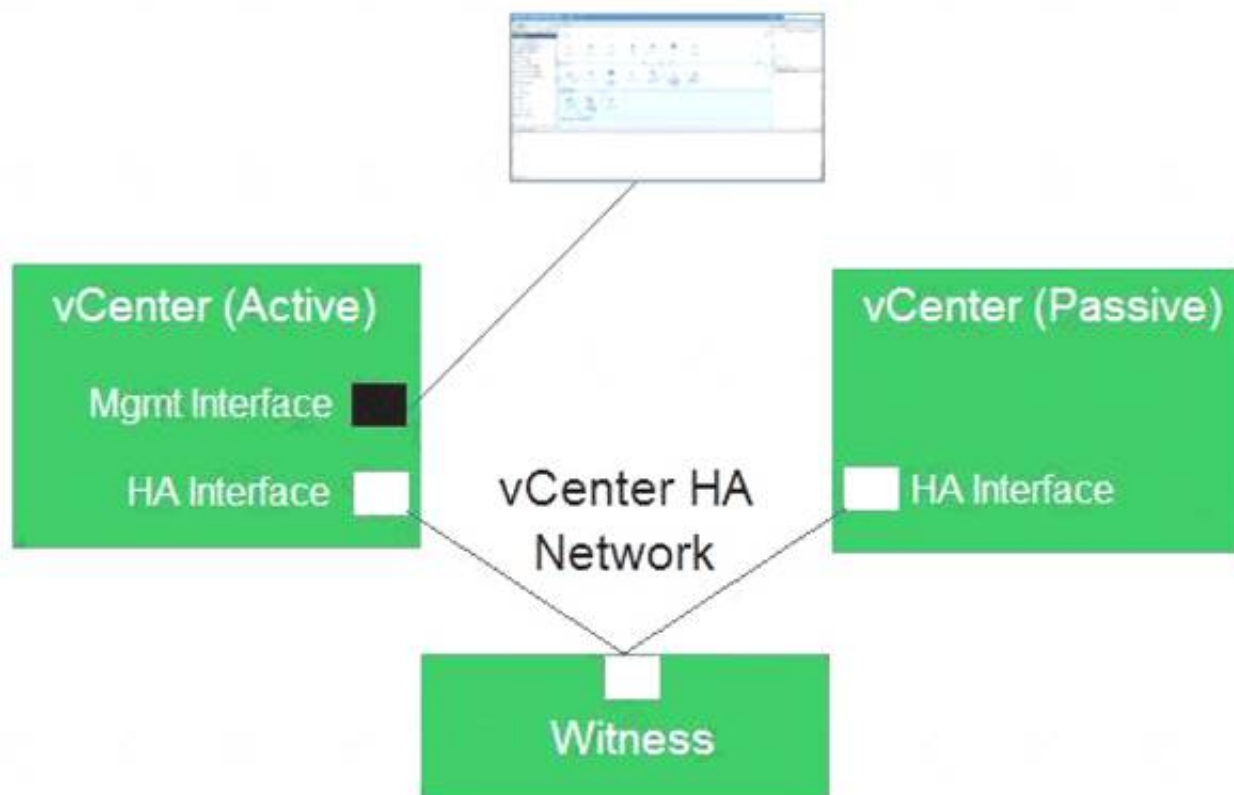
Which two components are core to vSphere? (Choose two.)

- A. ESXi
- B. vSAN
- C. vCenter Server
- D. vRealize Network Insight
- E. vRealize Operations Manager

**Answer: AC**

### NEW QUESTION 5

Refer to the exhibit.



Which element is missing from this vCenter High Availability (HA) cluster? (Choose the best answer.)

- A. A secondary witness node
- B. The management interface on the passive node
- C. The connection between the active and passive nodes
- D. The management interface and connection on the witness node

**Answer: C**

#### NEW QUESTION 6

An administrator is unable to manage certificates with the vSphere Client.

What is another supported option that can be used to manage certificates? (Choose the best answer.)

- A. vCenter Server Management Interface
- B. Command Line Interface
- C. vRealize Operations Manager
- D. Cloud Builder

**Answer: B**

#### NEW QUESTION 7

An administrator has been tasked with mitigating datastore capacity issues without datastore expansion. Which vSphere Storage vMotion migration option would achieve this mitigation? (Choose the best answer.)

- A. Lazy-zeroed thick-provisioned
- B. Thin-provisioned
- C. Eager-zeroed thick-provisioned
- D. Same as format source

**Answer: B**

#### NEW QUESTION 8

What are two pre-requisites for enabling ESXi secure boot? (Choose two.)

- A. External Key Management Service
- B. vCenter Server 7.0 or greater
- C. Trusted Platform Module version 2.0
- D. ESXi 7.0 or greater
- E. Unified Extensible Firmware Interface (UEFI)

**Answer: AE**

#### Explanation:

<https://blogs.vmware.com/vsphere/2017/05/secure-boot-esxi-6-5-hypervisor-assurance.html>

#### NEW QUESTION 9

Which feature can an administrator use for site availability with minimal effort and a low recovery point objective (RPO)? (Choose the best answer.)

- A. vSphere vMotion
- B. vSphere High Availability
- C. vSphere Replication
- D. vSphere Fault Tolerance

**Answer: C**

#### NEW QUESTION 10

Which virtual disk option allows a virtual machine to consume the minimum storage capacity? (Choose the best answer.)

- A. Independent persistent
- B. Lazy-zeroed thick-provisioned
- C. Eager-zeroed thick-provisioned
- D. Thin-provisioned

**Answer:** D

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-8204A8D7-25B6-4>

#### NEW QUESTION 10

An administrator wants to implement virtual machine encryption.

Which component encrypts the virtual machine files? (Choose the best answer.)

- A. Certificate
- B. Data encryption key (DEK)
- C. Key encryption key (KEK)
- D. Key management server (KMS)

**Answer:** BC

#### NEW QUESTION 11

An administrator is running a variety of vSphere 6.5 cluster configurations and is tasked with upgrading to vSphere 7.0.

Which two conditions could cause potential conflicts or outages to the virtual machines (VMs)? (Choose two.)

- A. The use of a Windows vCenter Server system
- B. Datastores attached to the hosts based on VMFS3
- C. The upgrade of a vSphere Distributed Switch with VMs attached
- D. The upgrade of an external platform services controller
- E. The use of third-party custom vSphere Installation Bundles (VIBs) installed on the ESXi hosts

**Answer:** CE

#### Explanation:

[https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmfs-5\\_upgrade\\_consideratio](https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmfs-5_upgrade_consideratio)

#### NEW QUESTION 13

A company has one corporate datacenter (C1) and one regional datacenter (R1). There is a vCenter Server in each location. An administrator wants a central library available to C1 and R1 for all templates and ISO images.

Which two steps must the administrator take to configure the content library feature to meet this requirement? (Choose two.)

- A. Create a published content library on C1.
- B. Create a local content library on R1.
- C. Create a local content library on C1.
- D. Create a subscribed content library on C1.
- E. Create a subscribed content library on R1.

**Answer:** AE

#### NEW QUESTION 18

A single host is manually configured to company standards.

Which option would an administrator select to capture this configuration for future use? (Choose the best answer.)

- A. Extract Host Profile
- B. Reset Host Customizations
- C. Attach Host Profile
- D. Import Host Profile

**Answer:** A

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.esxi.install.doc/GUID-4D8EDD07-6C77-4845-> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-4D3909C5-A3>

#### NEW QUESTION 19

What is a requirement of Storage I/O Control? (Choose the best answer.)

- A. Storage connected through Fibre Channel
- B. Management by a single vCenter Server
- C. Datastores with multiple extents
- D. Automated storage tiering capabilities

**Answer:** B

#### NEW QUESTION 22

An administrator wants to create a master copy of an existing virtual machine (VM) named "TestApp" and deploy VMs from this master copy whenever a user requests one.

Which method can the administrator use to create a master copy of TestApp? (Choose the best answer.)

- A. Deploy from an Open Virtual Machine Format (OVF) template
- B. Convert a template to a VM
- C. Clone the VM to a template
- D. Create a new VM

**Answer:** A

#### NEW QUESTION 26

An administrator wants to ensure that when virtual machines (VMs) are powered on, Distributed Resource Scheduler (DRS) places them on the best-suited host. When the cluster becomes imbalanced, the administrator wants DRS to display recommendations for manual VM migration.

Which DRS automation level should the administrator select? (Choose the best answer.)

- A. Manual
- B. Partially automated
- C. Fully automated
- D. Disabled

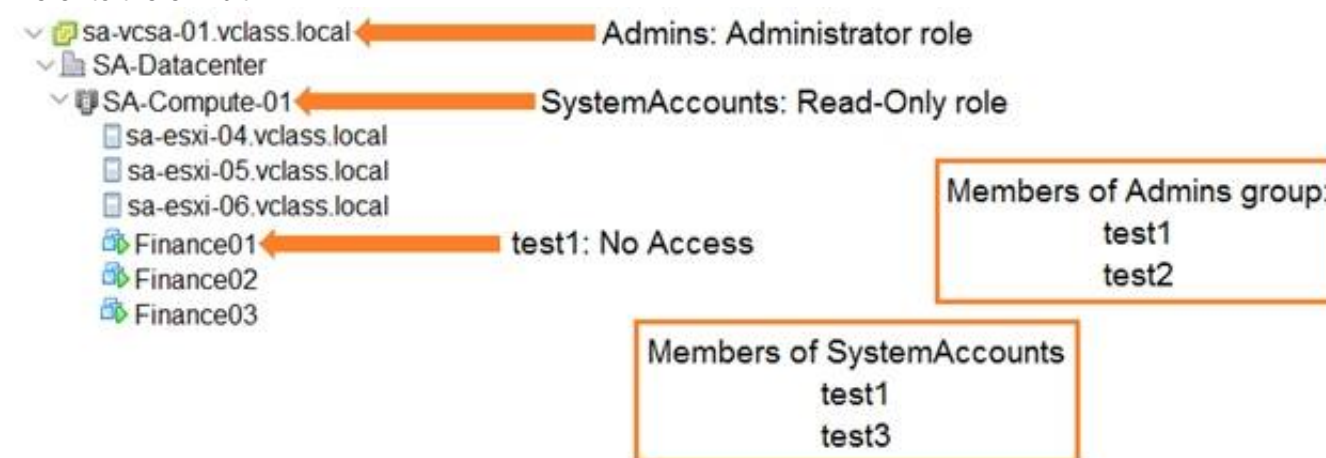
**Answer:** B

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-C21C0609-923B>

#### NEW QUESTION 29

Refer to the exhibit.



What is the effective role the test1 account has on the Finance01 virtual machine? (Choose the best answer.)

- A. No access
- B. Administrator
- C. Read-only
- D. Virtual machine user

**Answer:** A

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-72EE3449-79FD-4>

#### NEW QUESTION 33

Which two statements are true regarding the use of firmware update packages in vSphere Lifecycle Manager? (Choose two.)

- A. A hardware support manager must be registered as a vCenter Server extension.
- B. The firmware and drivers add-on are distributed through the official VMware online depot.
- C. The firmware and drivers add-on can be used on clusters that are managed with baselines.
- D. The firmware and drivers add-on can add or remove components from the ESXi base image.
- E. The firmware and drivers add-on is provided by a third-party vendor.

**Answer:** AD

#### NEW QUESTION 37

An administrator is tasked with planning an upgrade of a VMware vSphere environment to version 7.0. The platform consists of 80 ESXi hosts, logically divided into 10 clusters. The tasks will be completed by another operations team within the company.

The hardware is consistent and a single embedded vCenter Server 6.7 appliance is managing the environment. Which statement is true regarding a suitable upgrade approach? (Choose the best answer.)

- A. The vCenter Server can be upgraded using a pre-configured customized JSON template.
- B. The ESXi hosts can only be upgraded using the Graphical User Interface Installer.
- C. Auto-deploy must be used to upgrade the large scale environment.
- D. A new Platform Services Controller must be deployed first.

**Answer:** C



#### NEW QUESTION 41

A company has a vSphere environment consisting of the following characteristics:

- A content library named 'CORP' is published at corporate headquarters on a vCenter Server named 'vcenterCorp'.
- A regional data center contains a set of hosts managed by a vCenter Server named vcenterR1.
- vcenterR1 subscribes to the CORP content library.

The administrator wants to create a new virtual machine image to use on vcenterR1. What are two possible ways the administrator can accomplish this task? (Choose two.)

- A. Configure vcenterR1 to download all library content immediately.
- B. Upload the new image to the CORP library on vcenterR1.
- C. Publish the CORP content library on vcenterR1.
- D. Upload the new image to the CORP library on vcenterCorp.
- E. Upload the new image to a local content library on vcenterR1.

**Answer:** AD

#### Explanation:

[https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm\\_admin.doc/GUID-254B2CE8-20A](https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A)

#### NEW QUESTION 44

Which privilege is required to run the esxtop utility? (Choose the best answer.)

- A. Root user
- B. vStatsUser
- C. vStatsAdmin
- D. Administrator

**Answer:** A

#### NEW QUESTION 48

Which two storage technologies can an administrator use to deploy the Virtual Machine File System (VMFS)? (Choose two.)

- A. Fibre Channel storage
- B. vSAN storage
- C. Virtual Volumes storage
- D. NFS storage
- E. iSCSI storage

**Answer:** AE

#### NEW QUESTION 50

A host profile is updated with a new password that urgently needs to be changed on all hosts attached to the host profile. Which option would an administrator select to complete the password change? (Choose the best answer.)

- A. Copy Settings from Host
- B. Remediate
- C. Check Host Profile Compliance
- D. Edit Host Customizations

**Answer:** B

#### NEW QUESTION 54

A vSphere environment is configured with 1 Gigabit Ethernet for vSphere vMotion. The application team is complaining that when they try to migrate a powered-on virtual machine, the progress is slow and unsuccessful the majority of the time.

Which two recommendations should the administrator make to improve vSphere vMotion performance? (Choose two.)

- A. Use at least two port groups.
- B. Use vSphere Storage I/O Control (SIOC).
- C. Use 10 Gigabit Ethernet or above.
- D. Use Link Aggregation Control Protocol (LACP) on the port group.
- E. Disable vSphere Fault Tolerance.

**Answer:** CD

#### Explanation:

[https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm\\_admin.doc/GUID-254B2CE8-20A](https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A)

#### NEW QUESTION 58

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The environment consists of mounted NFS v3 datastores. The new design requires configuration of NFS v4.1 datastores.

Which statement is true regarding this upgrade? (Choose the best answer.)

- A. The NFS v3 datastores can be unmounted and remounted using NFS v4.1.
- B. A new VMKernel port for NFS v4.1 needs to be created before the upgrade.
- C. Following first boot, NFS v3 datastores are automatically converted to NFS v4.1 by ESXi 7.0
- D. ESXi 7.0 does NOT support NFS v4.1.

**Answer:** B

#### NEW QUESTION 60

There are two vSphere clusters in a company environment. One cluster is hosting development workloads and another is hosting production workloads. Both vSphere clusters are managed by the same vCenter Server.

The application team would like to move a new virtual machine from the development to production cluster with no downtime.

Which feature would allow non-disruptive movement between these two clusters? (Choose the best answer.)

- A. Cross vCenter Migration
- B. vSphere High Availability
- C. vSphere vMotion
- D. vSphere Replication

**Answer:** C

#### NEW QUESTION 65

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. The current configuration is using an external Platform Services Controller.

Which two statements are true regarding this upgrade? (Choose two.)

- A. The external Platform Services Controller needs to be converged into an embedded vCenter Server Appliance.
- B. The external Platform Services Controller needs to be decommissioned following the deployment of the new vCenter Server Appliance.
- C. The external Platform Services Controller backup can be restored to a new embedded vCenter Server Appliance.
- D. The external Platform Services Controller needs to be upgraded after the vCenter Server Appliance.
- E. The external Platform Services Controller needs to be powered down while a new vCenter Server Appliance is deployed.

**Answer:** AB

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.upgrade.doc/GUID-30485437-B107-42>

#### NEW QUESTION 66

What are two minimum disk requirements for a vSAN hybrid disk group configuration? (Choose two.)

- A. At least one magnetic data disk
- B. At least one SATADOM device
- C. At least two magnetic data disks
- D. At least one flash device
- E. At least two flash devices

**Answer:** CD

#### NEW QUESTION 71

An administrator is NOT able to enable ESXi secure boot.

What is a possible cause of this issue? (Choose the best answer.)

- A. The vCenter Server version is 7.0.
- B. ESXi is using Trusted Platform Module version 1.2.
- C. The ESXi version is 7.0
- D. ESXi is using Unified Extensible Firmware Interface (UEFI).

**Answer:** C

#### NEW QUESTION 74

An administrator identifies a snapshot file named “Win10-000001-sesparse.vmdk” on a datastore. Which type of information can be determined about this datastore? (Choose the best answer.)

- A. The datastore is formatted as VMFS3.
- B. The datastore is formatted as VMFS6.
- C. The datastore is a raw device mapping.
- D. The datastore is a vSAN datastore.

**Answer:** B

#### NEW QUESTION 79

Which step is required when adding an existing hard disk that is configured as a boot disk during virtual machine creation? (Choose the best answer.)

- A. Enable Secure Boot.
- B. Select ‘RDM Disk’ from the ‘Add New Device’ drop-down menu.
- C. Remove the existing disk before adding the boot disk.
- D. Set the boot delay to at least 5,000 milliseconds.

**Answer:** C

#### Explanation:

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-79116E5D-22B3](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-79116E5D-22B3)

#### NEW QUESTION 83

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