

# 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**

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)

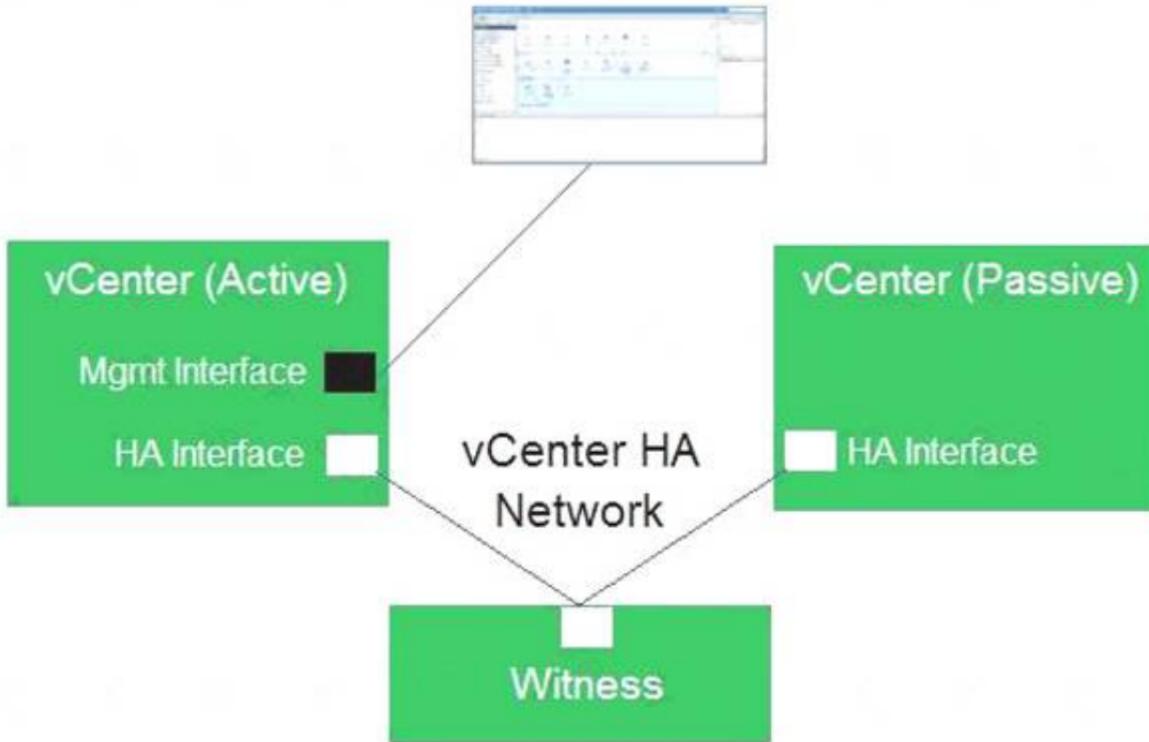
**Answer: AE**

**Explanation:**

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

**NEW QUESTION 3**

Refer to the exhibit.



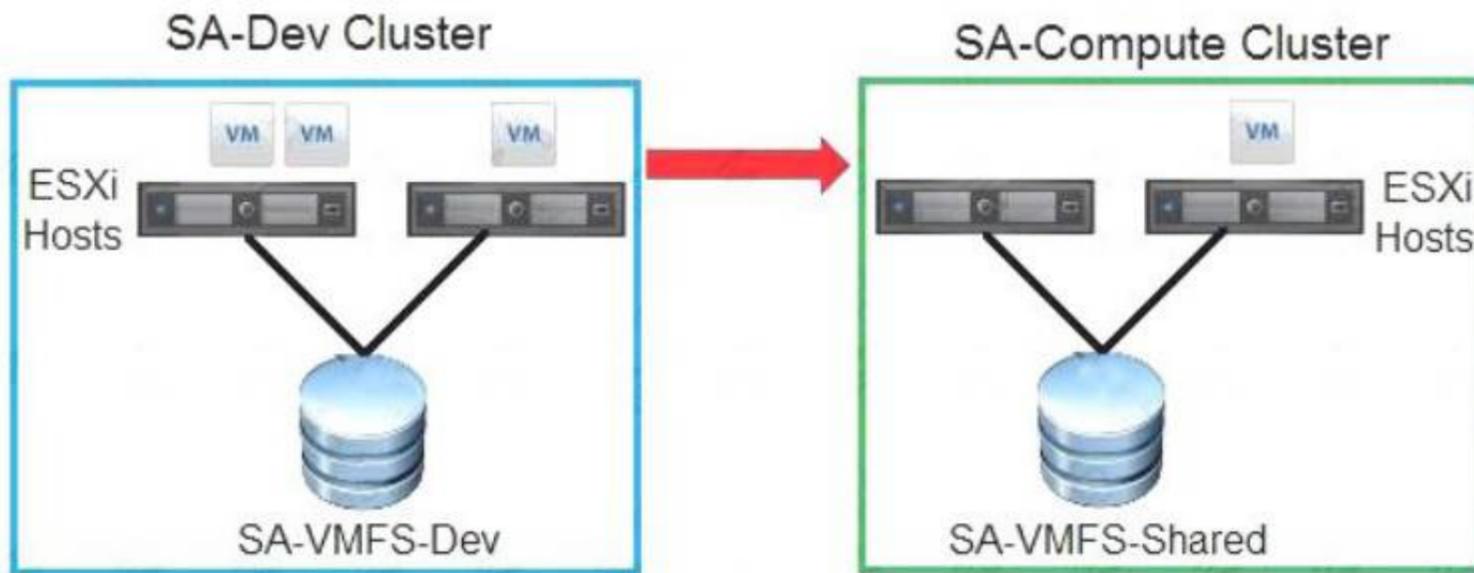
Which element is missing from this vCenter High Availability (HA) cluster? (Choose the best answer.)

- 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 4**

Refer to the exhibit.



Which two migration methods can an administrator use to move virtual machines from the SA-Dev cluster to the SA-Compute cluster? (Choose two.)

- A. Cold migration of compute resource only
- B. Cold migration of storage only
- C. Hot migration of compute resource and storage resource
- D. Hot migration of compute resource only
- E. Cold migration of compute resource and storage resource

**Answer:** CE

**NEW QUESTION 5**

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 6**

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 7**

Which TCP/IP stack can support management traffic, vSphere vMotion, IP storage and vSphere Fault Tolerance? (Choose the best answer.)

- A. VXLAN TCP/IP stack
- B. Provisioning TCP/IP stack
- C. Default TCP/IP stack
- D. vSphere vMotion TCP/IP stack

**Answer:** C

**NEW QUESTION 8**

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 9**

What is a pre-requisite for increasing datastore capacity? (Choose the best answer.)

- A. The backing device for the datastore has enough free space.
- B. The datastore is managed by Storage DRS (SDRS).
- C. The datastore is 100% full.

D. There are NO powered-on virtual machines on the datastore.

**Answer:** A

**NEW QUESTION 10**

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

**Answer:** C

**NEW QUESTION 10**

A new vSphere 7.0 environment is deployed with the following:

- > A single vCenter Server
- > Two vSAN clusters
- > A vSAN default storage policy

Which statement is true regarding virtual disk availability in this environment? (Choose the best answer.)

- A. Replicas will be placed on different disk groups but can be placed on the same host.
- B. All stripes will be placed on different disk groups and cannot be placed on the same host.
- C. Each virtual disk will have four replicas of data.
- D. Each virtual disk will have two replicas of data.

**Answer:** D

**NEW QUESTION 12**

vCenter Server experiences a catastrophic failure and the administrator must restore from a vCenter Server backup stored on an FTP server. What must the administrator do to restore vCenter Server? (Choose the best answer.)

- A. Use the vSphere Client to deploy the appliance onto an ESXi host and restore the vCenter Server data from the backup.
- B. Use the vCenter Server Management Interface to restore the vCenter Server data, and power on the appliance.
- C. Use the vCenter Server GUI installer to deploy a vCenter Server instance and use the vSphere Client to restore vCenter Server data from the backup.
- D. Use the vCenter Server GUI installer to deploy a vCenter Server instance and restore the vCenter Server data from the backup.

**Answer:** D

**NEW QUESTION 14**

An administrator would like to make virtual machine templates and ISO images available to all vCenter Server instances in the data center. Which feature should the administrator use to achieve this goal? (Choose the best answer.)

- A. Host profiles
- B. Content libraries
- C. Storage policies
- D. Resource pools

**Answer:** B

**NEW QUESTION 16**

Which local only host utility is used for primary, real-time performance monitoring in vSphere? (Choose the best answer.)

- A. resxtop
- B. top
- C. esxtop
- D. vSphere Command-Line Interface (CLI)

**Answer:** C

**NEW QUESTION 21**

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 23

Which two VMware features are supported in a virtual machine using Intel Software Guard Extensions (Intel SGX) technology? (Choose two.)

- A. Fault tolerance
- B. vSphere vMotion
- C. VM encryption
- D. Virtual machine suspend and resume
- E. Storage I/O Control

**Answer:** CE

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-EF552A5E-744B-4>

### NEW QUESTION 24

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 25

Which step can an administrator take so that vSphere can access patch information if vCenter Server does NOT have Internet access? (Choose the best answer.)

- A. Use a Web server on the vCenter Server machine to automate the transfer of files.
- B. Install VMware vSphere Update Manager Download Service on a Windows server.
- C. Use an offline ISO file to import patches to the vSphere Lifecycle Manager depot manually.
- D. Install VMware vSphere Update Manager Download Service on a Linux server.

**Answer:** D

### NEW QUESTION 28

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 30

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

**Answer:** D

### NEW QUESTION 34

Which two vSphere features enable remote site availability? (Choose two.)

- A. Proactive High Availability
- B. vSphere Fault Tolerance
- C. Cross vCenter Migration
- D. vSphere vMotion
- E. vSphere Replication

**Answer:** AE

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID-1BDC7194-67A7>  
<https://www.vmware.com/mena/products/vsphere/replication.html#:~:text=vSphere%20Replication%20is%20a>

### NEW QUESTION 37

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 40

An administrator is tasked with upgrading an existing VMware vSphere 6.5 environment to version 7.0. There are existing VMFS3 and VMFS5 datastores in the environment.

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

- A. VMFS5 is no longer supported with ESXi 7.0.
- B. VMFS3 is no longer supported with ESXi 7.0.
- C. An ESXi 7.0 host can automatically upgrade a VMFS5 datastore.
- D. An ESXi 7.0 host will automatically upgrade a VMFS3 datastore when discovered.
- E. A VMFS3 datastore cannot be upgraded; a new VMFS6 datastore is required.

**Answer:** BD

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-DAD74662-E09E-4>

#### NEW QUESTION 42

An administrator wants to be able to send vCenter Server log files to a remote syslog server and analyze logs using vRealize Log Insight.

Which step must the administrator take to meet this requirement? (Choose the best answer.)

- A. Configure the vCenter Server logging options using the vSphere Client.
- B. Specify the remote syslog server name at deployment using the vCenter Server GUI Installer.
- C. Specify the vRealize Log Insight system name using the vSphere Client.
- D. Configure log file forwarding using the vCenter Server Management Interface.

**Answer:** D

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenter.configuration.doc/GUID-9633>

#### NEW QUESTION 44

Each logical port on a vSphere standard switch can be a member of how many port groups? (Choose the best answer.)

- A. 4
- B. 3
- C. 1
- D. 2

**Answer:** C

#### NEW QUESTION 47

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 51

Which feature can an administrator configure to have a copy of critical virtual machines in another cluster? (Choose the best answer.)

- A. vSphere Storage vMotion
- B. vSphere Fault Tolerance
- C. vSphere Replication
- D. Instant Clone

**Answer:** D

**NEW QUESTION 55**

What is the basic packaging for vSphere Installation Bundles (VIBs) and metadata in vSphere Lifecycle Manager? (Choose the best answer.)

- A. Vendor add-on
- B. Base image
- C. Component
- D. Baseline

**Answer: C**

**NEW QUESTION 59**

Refer to the exhibit.

**Manage Snapshots | VM1**



Which two statements are true regarding the state of the virtual machine (VM) if an administrator clicks the “Delete All” option? (Choose two.)

- A. The VM state will match Snap-C.
- B. No snapshots will remain on the VM.
- C. Snap-A will be intact on the VM.
- D. The VM state will match Snap-B
- E. The VM state will match Snap-A.

**Answer: BD**

**Explanation:**

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-542CF191-B8D](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-542CF191-B8D)

**NEW QUESTION 61**

In a vSphere High Availability (vSphere HA) cluster, which condition can be detected by datastore heartbeating? (Choose the best answer.)

- A. Fault tolerance virtual machine (VM) failover
- B. Network isolation
- C. Virtual machine (VM) disk failure
- D. Datastore All Paths Down (APD) event

**Answer: B**

**NEW QUESTION 65**

What is the server virtualization product that combines the ESXi hypervisor and the vCenter Server? (Choose the best answer.)

- A. NSX
- B. vRealize Operations Manager
- C. vSphere
- D. vSAN

**Answer: C**

**NEW QUESTION 68**

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