

VMware.2V0-21.20.vJane.68q

Number: 2V0-21.20  
Passing Score: 800  
Time Limit: 120  
File Version: 3.0

Exam Code: 2V0-21.20  
Exam Name: Professional VMware vSphere 7.x



## Exam A

### QUESTION 1

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

**Correct Answer: B**

**Section:**

### QUESTION 2

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

**Correct Answer: C, E**

**Section:**

**Explanation:**

Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostclient.doc/GUID-C8EBF77C-F21E-4C28-ABC6-8E3337341DD2.html>

### QUESTION 3

Which feature is a pre-requisite for configuring admission control on a cluster? (Choose the best answer.)

- A. vSphere Enhanced vMotion Compatibility (EVC)
- B. vSphere High Availability (HA)
- C. vSphere Fault Tolerance
- D. vSphere Distributed Resource Scheduler (DRS)

**Correct Answer: B**

**Section:**

### QUESTION 4

An administrator is tasked with upgrading an existing vSphere environment to version 7.0. There are existing VMFS3 and VMFS5 datastores in the environment. Which statement is true regarding this upgrade? (Choose the best answer.)



- A. An ESXi 7.0 host will NOT recognize a VMFS3 datastore.
- B. VMFS3 is supported with ESXi 7.0 to store boot configurations only.
- C. A VMFS5 datastore CANNOT be upgraded; a new VMFS6 datastore is required.
- D. An ESXi 7.0 host can automatically upgrade a VMFS5 datastore.

**Correct Answer: C**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-DAD74662-E09E-44A4-82F1-DB7A3433CEF9.html>

#### QUESTION 5

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.

**Correct Answer: A, E**

**Section:**

**Explanation:**

Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-34AF5B19-FC80-4915-8358-D5FCC8A8E69E.html>

#### QUESTION 6

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.

**Correct Answer: C**

**Section:**

#### QUESTION 7

An administrator needs to configure Proactive High Availability (HA) in a vSphere environment so that virtual machines (VMs) do not run on any partially degraded hosts. The administrator would also like to see the recommendations before VMs are migrated.

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

- A. Automation Level - Manual  
Remediation Level - Quarantine mode
- B. Automation Level - Automated  
Remediation Level - Maintenance mode
- C. Automation Level - Manual  
Remediation Level - Maintenance mode

- D. Automation Level - Automated  
Remediation Level - Mixed mode

**Correct Answer: C**

**Section:**

#### QUESTION 8

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.

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://storagehub.vmware.com/t/microsoft-sql-server-2014-on-virtual-san-6-1-hybrid/architecture-diagrams-1/>

#### QUESTION 9

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

**Correct Answer: C, E**

**Section:**

#### 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)

**Correct Answer: B**

**Section:**

**Explanation:**

Reference:

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vm-encryption-vsphere65-perf.pdf>

#### QUESTION 11

An administrator can attach a baseline to which two inventory objects? (Choose two.)

- A. Resource pools
- B. Data centers
- C. Datastores
- D. Templates
- E. ESXi hosts

**Correct Answer: B, E**

**Section:**

#### QUESTION 12

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**

**Section:**

**Explanation:**

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

#### QUESTION 13

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.

**Correct Answer: D, E**

**Section:**

#### QUESTION 14

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.

**Correct Answer: A, C**

**Section:**

#### QUESTION 15

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

**Correct Answer: D**

**Section:**

#### QUESTION 16

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

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/vsphere-esxi-vcenter-server-65-availability-guide.pdf> (19)

#### QUESTION 17

Which solution can be used to automatically deploy a fully configured VMware software-defined data center (SDDC)? (Choose the best answer.)

- A. vCenter Server
- B. vRealize Suite
- C. vSphere Lifecycle Manager
- D. VMware Cloud Foundation

**Correct Answer: D**

**Section:**

#### QUESTION 18

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.

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-3EAED005-B0A3-40CF-B40D-85AD247D7EA4.html>

#### QUESTION 19

ESXi provides VLAN support by assigning a VLAN ID to which component? (Choose the best answer.)

- A. Virtual standard switch
- B. Physical network interface card (NIC)
- C. Virtual distributed switch
- D. Port group

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://geek-university.com/vmware-esxi/configure-vlans/>



#### QUESTION 20

An administrator adds an additional host to a cluster and is attempting to remediate the configuration with a host profile.

Which option would the administrator select on the host before it can be remediated with an existing host profile? (Choose the best answer.)

- A. Export Host Customizations
- B. Export Host Profile
- C. Attach Host Profile
- D. Copy Settings from Host

**Correct Answer: C**

**Section:**

#### QUESTION 21

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

**Correct Answer: B**


**Section:**

**Explanation:**

Reference: [https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-254B2CE8-20A8-43F0-90E8-3F6776C2C896.html](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A8-43F0-90E8-3F6776C2C896.html)

**QUESTION 22**

Refer to the exhibit.

Send email notifications  Repeat  

Subject \* Alarm {Alarm name} on vCenter Server : {Target Name} is {New status}

Email to \* admin@vmware.com

An administrator enables email notifications as shown in the attached alarm. However, notifications are NOT being sent. Where must the mail server settings be configured to resolve this issue? (Choose the best answer.)

- A. In vCenter Server General settings in the vSphere Client.
- B. In the alarm rule definitions
- C. In the ESXi host system config for the cluster node hosting the vCenter Server Appliance
- D. In Administration settings in the vCenter Server Management Interface

**Correct Answer: A**

**Section:**

**QUESTION 23**

An administrator is troubleshooting a recent failure and finds the following error messages:

`The guest OS has reported an error during quiescing. The error code was: 5 The error message was:  
Asynchronous operation failed: >VssSyncStart  
The guest OS has reported an error during quiescing. The error code was: 5 The error message was:  
'VssSyncStart' operation failed: The >system cannot find the file specified. (0x80070002)`

Which action has failed, thus resulting in these errors? (Choose the best answer.)

- A. Virtual machine power off
- B. Virtual machine snapshot
- C. Virtual machine migration
- D. Virtual machine reconfiguration

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://kb.vmware.com/s/article/2090545>

**QUESTION 24**

What are two functions of vSphere Lifecycle Manager? (Choose two.)

- A. Update ESXi hosts in a cluster using baselines
- B. Upgrade VMware Tools and virtual machine hardware
- C. Run vCenter Server interoperability reports



- D. Run vCenter Server upgrade pre-checks
- E. Update standalone ESXi hosts using images

**Correct Answer: A, B**

**Section:**

**QUESTION 25**

An administrator runs third-party software in a virtual machine (VM). The third-party licensing agreement requires payment of a license fee for each host to which the VM migrates. How can the administrator configure Distributed Resource Scheduler (DRS) to minimize licensing costs? (Choose the best answer.)

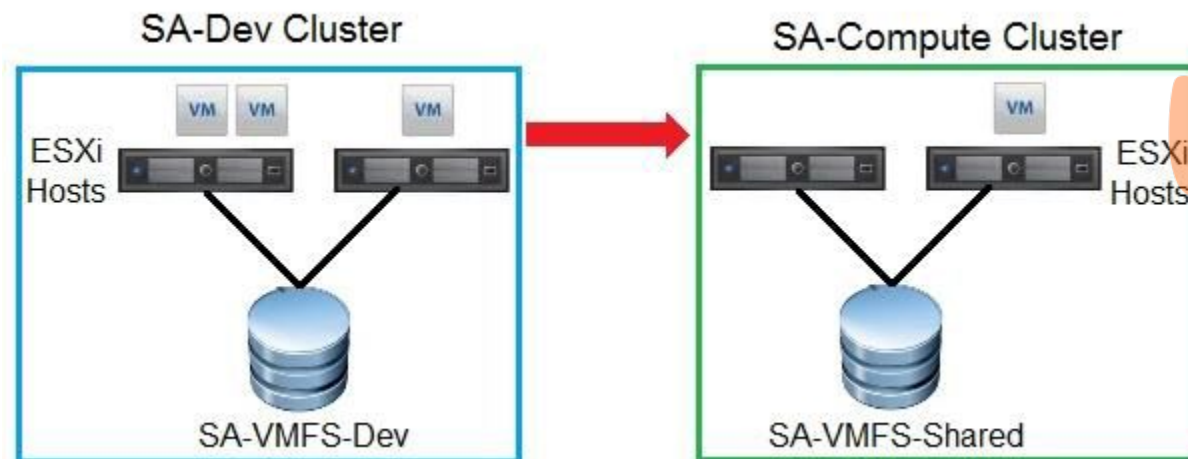
- A. Create a 'Virtual Machines to Virtual Machines' dependency rule.
- B. Create a 'Virtual Machines to Virtual Machines' affinity rule.
- C. Create a 'Should run Virtual Machines to Hosts' anti-affinity rule.
- D. Create a 'Must run Virtual Machines to Hosts' affinity rule.

**Correct Answer: D**

**Section:**

**QUESTION 26**

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

**Correct Answer: C, E**

**Section:**

**QUESTION 27**

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

**Correct Answer: C**

**Section:**

**QUESTION 28**

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**

**Section:**

**Explanation:**

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

**QUESTION 29**

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

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.psc.doc/GUID-E0609A99-A8D1-4336-BD3B-DE707E261A63.html>

**QUESTION 30**

What is a minimum disk controller requirement for VMware vSAN? (Choose the best answer.)

- A. A disk controller in JBOD mode
- B. A disk controller in pass-through or RAID 1 mode
- C. A disk controller in pass-through or RAID 5 mode
- D. A disk controller in pass-through or RAID 0 mode

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://www.vembu.com/blog/vmware-vsan-configuration-setup/>

**QUESTION 31**

A virtual machine with a single 100 GB virtual machine disk file has a single 20 GB snapshot. The virtual machine is powered off.

How much additional free space on the datastore is required to delete the snapshot, committing the snapshot delta disk to the base disk? (Choose the best answer.)

- A. 0 GB
- B. 100 GB
- C. 20 GB
- D. 120 GB

**Correct Answer: A**

**Section:**

**QUESTION 32**

An administrator wants to configure vCenter Server High Availability so that each node is located in a different data center.

Which requirement must be met? (Choose the best answer.)

- A. Each node must be configured with at least three network adapters.
- B. Network latency between the nodes must be less than 10 milliseconds.
- C. All nodes must be located on a vSAN datastore in each data center.
- D. A vCenter Server license must be assigned to each node.

**Correct Answer: B**

**Section:**

**QUESTION 33**

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.

**Correct Answer: A**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-D57FEF5D-75F1-433D-B337-E760732282FC.html>

**QUESTION 34**

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

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



**Correct Answer: A**

**Section:**

**Explanation:**

Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-D89E8267-C74A-496F-B58E-19672CAB5A53.html>

**QUESTION 35**

An administrator is asked to take a snapshot of a virtual machine prior to an application upgrade. The virtual machine has one standard virtual machine disk (VMDK) and one physical mode raw device mapping (RDM) attached. Which statement is true with regard to taking this snapshot? (Choose the best answer.)

- A. The administrator will be unable to snapshot the RDM.
- B. The administrator will be able to snapshot the standard VMDK in independent persistent mode.
- C. The administrator will be able to snapshot the RDM in independent persistent mode.
- D. The administrator will be able to snapshot both disks.

**Correct Answer: A**

**Section:**

**QUESTION 36**

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)



**Correct Answer: C**

**Section:**

**Explanation:**

Reference: <https://searchvmware.techtarget.com/tip/VMware-vSpheres-built-in-performance-monitoring-tools>

**QUESTION 37**

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.

**Correct Answer: B, D**

**Section:**

**QUESTION 38**

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

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-37CC0E44-7BC7-479C-81DC-FFFC21C1C4E3.html>

#### QUESTION 39

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

**Correct Answer: C**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/vSphere-Replication/6.1/com.vmware.vsphere.replication-admin.doc/GUID-9E17D567-A947-49CD-8A84-8EA2D676B55A.html>

#### QUESTION 40

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.

**Correct Answer: A, B**

**Section:**

#### QUESTION 41

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**

**Section:**

**Explanation:**

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

**QUESTION 42**

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

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

**Correct Answer: A, C**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcenterhost.doc/GUID-302A4F73-CA2D-49DC-8727-81052727A763.html>

**QUESTION 43**

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

**Correct Answer: C**

**Section:**

**Explanation:**

Reference: <https://www.c-sharpcorner.com/article/what-is-virtual-switches-and-standard-switches/>

**QUESTION 44**

An administrator is asked to deploy a virtual machine (VM) that can sniff packets for the Security team. Which setting must be set to "accept" on the VM's port group? (Choose the best answer.)

- A. Promiscuous mode
- B. Forged transmits
- C. MAC address changes
- D. Traffic shaping

**Correct Answer: A**

**Section:**

**Explanation:**

Reference: <https://blog.packet-foo.com/2013/04/capturing-packets-of-vmware-machines/comment-page-1/>

**QUESTION 45**

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.

**Correct Answer: A**

**Section:**

#### QUESTION 46

What is the minimum number of ESXi hosts required to support vCenter High Availability? (Choose the best answer.)

- A. 6
- B. 3
- C. 2
- D. 4

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-8FD87389-8CC9-4298-8B08-A1526FB44524.html>

#### QUESTION 47

What determines the default bandwidth share allocation for system traffic, such as vSphere Fault Tolerance and vSphere vMotion? (Choose the best answer.)

- A. Physical network adapter
- B. Network I/O Control version
- C. Virtual machine hardware version
- D. Load-balancing

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.networking.doc/GUID-26AAFA4-BFD3-4D72-AEC8-55F4CF439DC0.html>

#### QUESTION 48

What is a pre-requisite for configuring virtualization-based security (VBS)? (Choose the best answer.)

- A. Change the firmware type from UEFI to Legacy BIOS
- B. Change the firmware type from Legacy BIOS to UEFI
- C. Use Windows Server 2012
- D. Use Windows Server 2008 R2

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://blogs.vmware.com/vsphere/2018/05/introducing-support-virtualization-based-security-credential-guard-vsphere-6-7.html>

**QUESTION 49**

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: A**

**Section:**

**QUESTION 50**

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

**Correct Answer: D**

**Section:**

**Explanation:**

Reference: <https://kb.vmware.com/s/article/65151>

**QUESTION 51**

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.

**Correct Answer: A**

**Section:**

**QUESTION 52**

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



**Correct Answer: B**

**Section:**

**QUESTION 53**

In a vSphere High Availability (vSphere HA) cluster, which action does vSphere HA take when the VM Monitoring service does NOT receive heartbeats from a virtual machine (VM) in the cluster? (Choose the best answer.)

- A. The VM is restarted on a different host in the cluster.
- B. The VM is suspended on the same host in the cluster.
- C. The VM is migrated to a different host in the cluster.
- D. The VM is restarted on the same host in the cluster.

**Correct Answer: D**

**Section:**

**QUESTION 54**

What is the foundation of a software-defined data center (SDDC)? (Choose the best answer.)

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

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://www.vmware.com/solutions/software-defined-datacenter.html#:~:text=as%2050%20percent.-,vSphere,point%20for%20building%20your%20SDDC>

**QUESTION 55**

An administrator is deploying a vCenter Server Appliance and wants to join an existing vCenter Single Sign-On domain.

The administrator gathers the following information:

FQDN of the vCenter Single Sign-On server to join

Domain name of the vCenter Single Sign-On server being joined

Password of the vCenter Single Sign-On server administrator account.

What other information is needed to join the existing vCenter Single Sign-On domain? (Choose the best answer.)

- A. vSphere Client port
- B. Lightweight Directory Access Protocol (LDAP) port
- C. Single Sign-On (SSO) port
- D. HTTPS port

**Correct Answer: D**

**Section:**

**QUESTION 56**

An administrator wants to leverage the processor-specific technology that uses a security extension for securing virtual machines (VMs). This will allow user-level code to define private regions of memory called enclaves that are protected from external access.

What does the administrator need to configure to enable VMs to use this technology? (Choose the best answer.)



- A. Trusted Platform Module (TPM)
- B. Virtual Intel Software Guard Extensions (vSGX)
- C. Advanced Encryption Standard-New Instructions (AES-NI)
- D. Transparent Page Sharing (TPS)

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-C81950B5-CD0A-40CA-9945-1104A92F4455.html>

**QUESTION 57**

Which VMware feature should an administrator configure to help manage and delegate CPU and memory resources? (Choose the best answer.)

- A. VMware Enhanced vMotion Compatibility (EVC)
- B. Resource pools
- C. vSphere Distributed Resource Scheduler (DRS)
- D. vSphere High Availability (HA)

**Correct Answer: B**

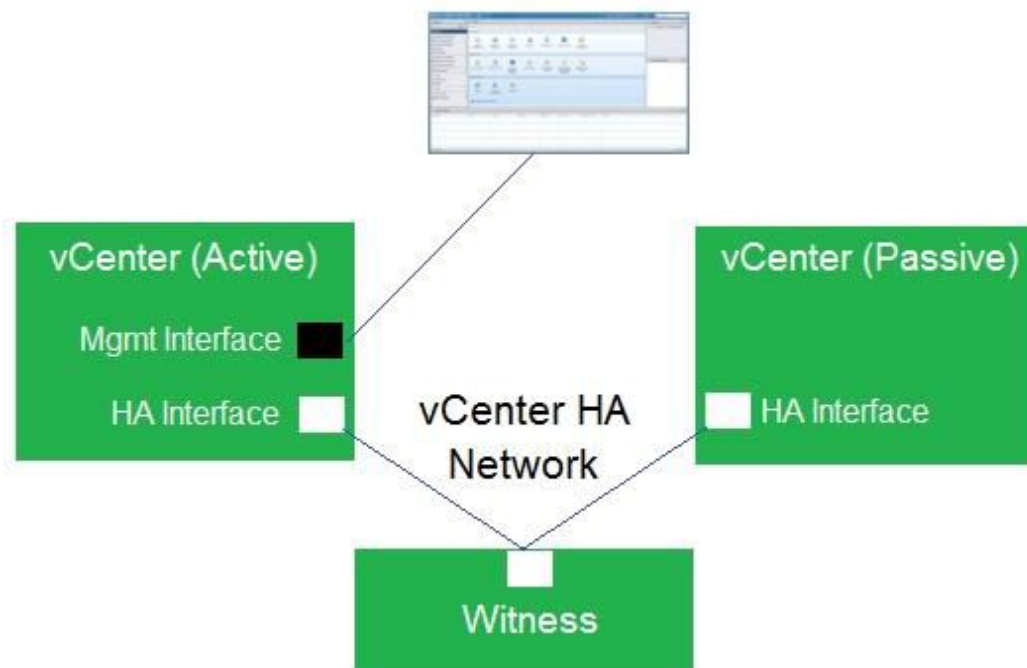
**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.0/vsphere-esxi-vcenter-server-601-resource-management-guide.pdf>

**QUESTION 58**

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

**Correct Answer: C**

**Section:**

**Explanation:**

Reference: <https://nolabnparty.com/en/vmware-vcenter-high-availability-setup-pt-1/>

**QUESTION 59**

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

**Correct Answer: A, D**

**Section:**

**QUESTION 60**

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

**Correct Answer: C**

**Section:**

**Explanation:**

Reference: <https://ulisesbecerro.com/vsphere-lifecycle-manager/>

**QUESTION 61**

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

**Correct Answer: C**

**Section:**

**QUESTION 62**

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**

**Section:**

**Explanation:**

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

#### QUESTION 63

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

**Correct Answer: B**

**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-9340FE80-356E-4457-8581-CE7B2830442E.html>

#### QUESTION 64

Which two features are only supported by VMFS6 datastores? (Choose two.)

- A. Concurrent access to shared storage
- B. On-disk locking
- C. Dynamic expansion
- D. 4K native storage devices
- E. Automatic space reclamation

**Correct Answer: D, E**

**Section:**

**Explanation:**

Reference: <http://www.vmwarearena.com/difference-between-vmfs-5-vmfs-6/>

#### QUESTION 65

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.



**Correct Answer: B**

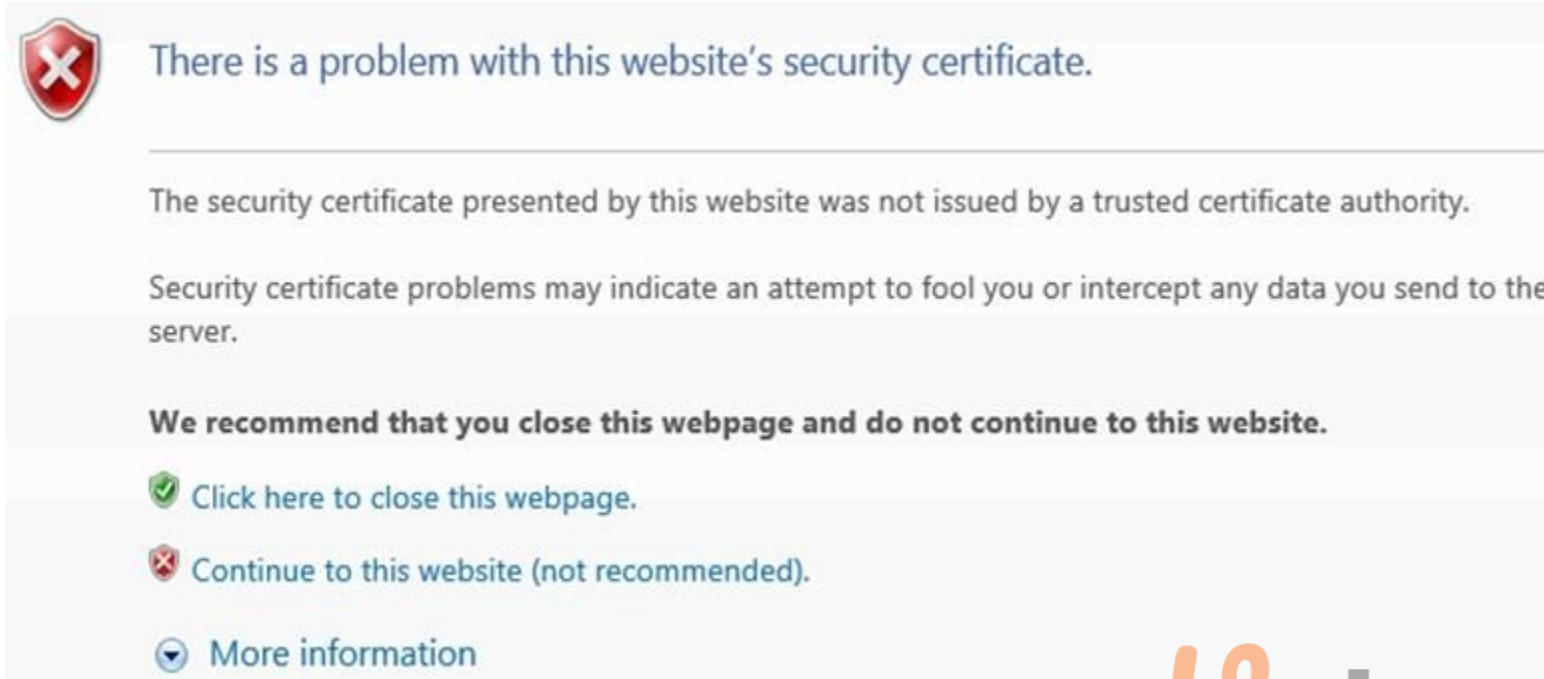
**Section:**

**Explanation:**

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-88E5A594-DEBC-4662-812F-EA421591C70F.html>

**QUESTION 66**

Refer to the exhibit.



An administrator repeatedly encounters this error message while attempting to connect to vCenter Server. What should the administrator do to address this error message? (Choose the best answer.)

- A. Use a different browser.
- B. Trust the VMware certificate authority (CA) root certificate.
- C. Restart the vCenter Server Appliance.
- D. Reissue a new, unexpired certificate.

**Correct Answer: B**

**Section:**

**QUESTION 67**

Which two configuration tasks must be performed from the vCenter Server Management Interface? (Choose two.)

- A. Add administrator accounts.
- B. Add an Network Time Protocol (NTP) server.
- C. Add a vCenter Server license.
- D. Enable SSH login.
- E. Change the logging level.

**Correct Answer: B, D**

**Section:**

**QUESTION 68**

A development team has a recurring need to rapidly replicate hundreds of virtual machines (VMs) for load testing. Which method should the team use to deploy the VMs? (Choose the best answer.)

- A. Linked clones from a content library
- B. Instant clones using the vSphere API
- C. Full clones using vSphere Auto Deploy
- D. Full clones from a template

**Correct Answer: B**

**Section:**

