

2V0-21.20.VCEplus.premium.exam.70q

Number: 2V0-21.20
Passing Score: 800
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Professional VMware vSphere 7.x

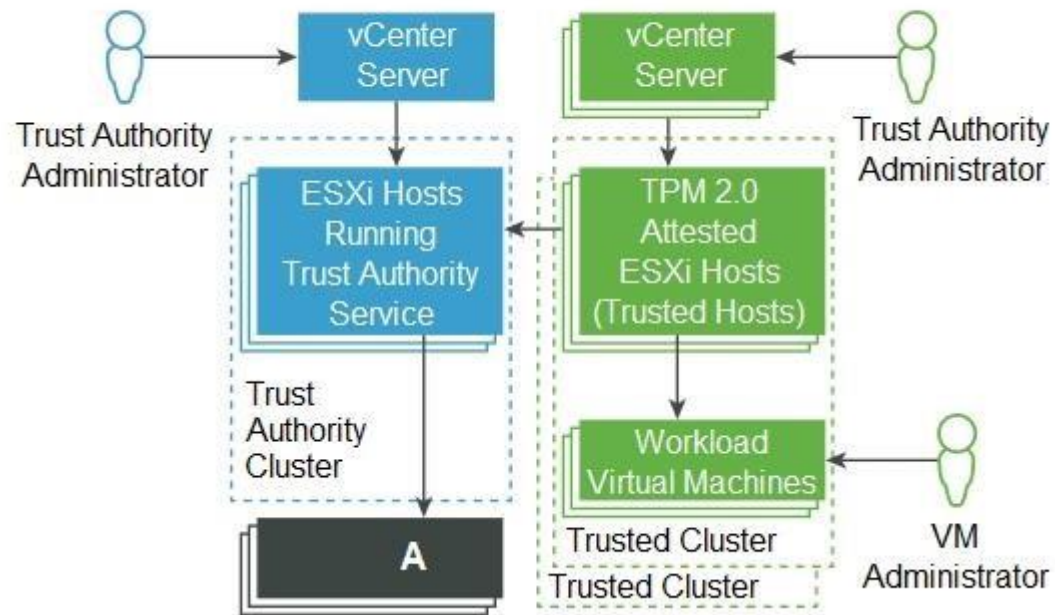
Version 1.0

Exam A

QUESTION 1

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-CEFC9BAE-1685-49A7-9854-4AC997F2F1C3.html>

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

QUESTION 2 What are two supported ESXi boot options?

(Choose two.)

- A. NFS
- B. iSCSI
- C. vSAN
- D. SAN
- E. vSphere Virtual Volumes

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.storage.doc/GUID-3D0414A2-E3C7-4E5E-B331-F83FA525CBC8.html>

QUESTION 3

An administrator receives an escalation to investigate a low disk space alarm on a datastore. The administrator discovers that a snapshot has been accidentally taken on a production, write-intensive database server. The snapshot has grown to nearly 1 TB in size in less than an hour and continues growing every second.

Which behavior should the administrator expect while deleting the snapshot? (Choose the best answer.)

- A. ESXi will create a virtual RAM disk to cache ongoing database write activity; performance impact will be limited.
- B. ESXi will commit the snapshot delta disk into the base disk; ongoing database write activity could result in long stun times.
- C. ESXi will merge the snapshot delta disk into the base disk; the virtual machine will be briefly stunned.
- D. ESXi will instantly switch from the base disk to the snapshot delta disk with no performance impact.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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



Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmware-vmfs-tech-overview-white-paper.pdf>

QUESTION 5

An administrator runs a two-node vSphere cluster, which contains two domain controller virtual machines (VMs). The administrator wants to ensure that VMs run on separate hosts without interfering with normal maintenance operations. How should the administrator configure Distributed Resource Scheduler (DRS)? (Choose the best answer.)

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.pluralsight.com/blog/tutorials/vmware-storage-drs-rules>

QUESTION 6

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

Correct Answer: C

Section: (none)

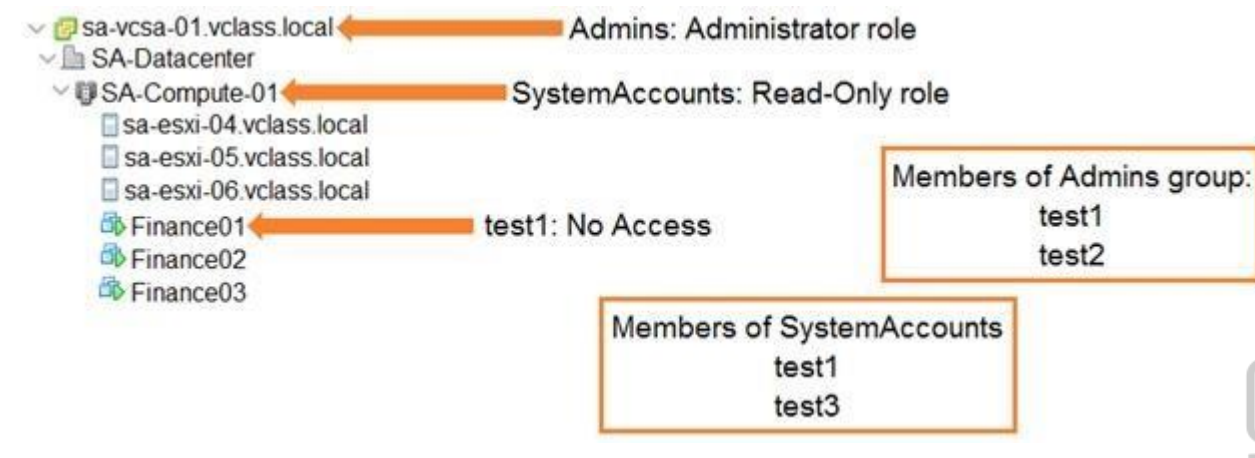
Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.networking.doc/GUID-D4191320-209E-4CB5-A709-C8741E713348.html>

QUESTION 7

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A recently deployed set of test virtual machines are impacting the performance of a company development team project datastore. The shared cache server appears to be suffering from storage congestion.

Storage I/O Control is already enabled on all company datastores.

Which two steps should the administrator take to improve the performance of the cache server? (Choose two.)

- A. Update the storage provider for the existing array.
- B. Create a claim rule to control the storage path.
- C. Configure the path selection policy.
- D. Configure storage shares per virtual machine.
- E. Configure storage limits per virtual machine.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 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 ProfileD. Import Host Profile

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

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

Section: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 11

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.mustbegeek.com/understanding-vmware-vsphere-7-editions-and-features/>

QUESTION 12

An IT department is experiencing random hardware failures that are costing the company money. The CIO is looking for technical support beyond traditional break/fix with enhanced visibility and proactive insights into the environment at no additional cost.

Which VMware service meets the needs of the CIO? (Choose the best answer.)

- A. VMware Global Support Services
- B. VMware Premier Support
- C. VMware Skyline
- D. vRealize Operations Manager

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/support/vmware_skyline_solution_overview.pdf

QUESTION 13 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

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 14

Refer to the exhibit.



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.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15 An administrator wants to be able to log in to the vSphere Client and view the inventories of two vCenter Server instances.

What must the administrator do to meet this requirement? (Choose the best answer.)

- A. Configure Enhanced Linked Mode on each vCenter Server instance after deployment is complete.
- B. Connect each vCenter Server instance to the same vCenter Single Sign-On domain during deployment.
- C. Connect each vCenter Server instance to the same vCenter Single Sign-On domain using the vSphere Client.
- D. Configure the vCenter Server Management Interface to view both vCenter Server instances.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16 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

Section: (none)

Explanation

Explanation/Reference:



QUESTION 17 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: AD

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 18

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: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

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: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 20 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: C

Section: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 21

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: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22 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: BC

Section: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 23

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: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://geek-university.com/vmware-esxi/set-drs-automation-level/>

QUESTION 24

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: CE

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 25 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: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 27 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: DE

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.upgrade.doc/GUID-5EA28531-0813-4B04-99A7-F8D88756F3CC.html>

QUESTION 28

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: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 29 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: BD

Section: (none)

Explanation

Explanation/Reference:



QUESTION 30

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: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 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: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 33 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: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vmware.com/solutions/software-defined-datacenter.html>

QUESTION 34

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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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

QUESTION 35 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 36 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: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/vsphere-esxi-vcenter-server-67-host-profiles-guide.pdf>

QUESTION 37 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 38

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: (none)

Explanation

Explanation/Reference:

QUESTION 39

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: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 40 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: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

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

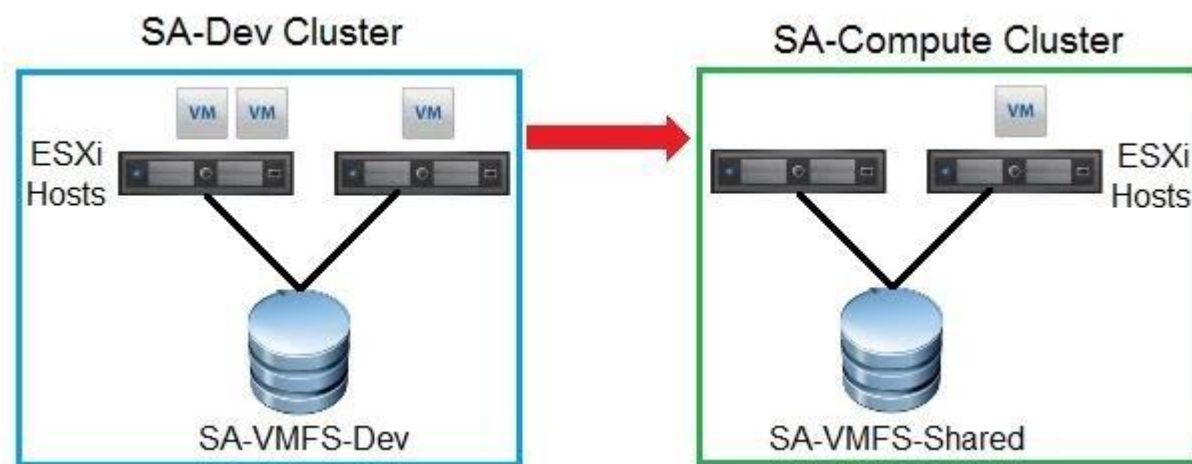
Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

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: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

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: (none)

Explanation

Explanation/Reference:

QUESTION 44

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: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 45 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: (none)

Explanation

Explanation/Reference:

Reference:

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

QUESTION 46

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 47 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: (none)

Explanation

Explanation/Reference:

QUESTION 48 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: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 50 Which privilege is required to run the `esxtop` utility? (Choose the best answer.)

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:



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

QUESTION 51

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: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vm_admin.doc/GUID-4236E44E-E11F-4EDD-8CC0-12BA664BB811.html

QUESTION 52

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

- A. resxstop
- B. top
- C. esxstop
- D. vSphere Command-Line Interface (CLI)

Correct Answer: C

Section: (none)

Explanation



Explanation/Reference:

Reference:

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

QUESTION 53

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: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 55

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: (none)

Explanation

Explanation/Reference:

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

QUESTION 56

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: CE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-ACCD2814-0F0A-4786-96C0-8C9BB57A4616.html>

QUESTION 57 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: (none)

Explanation

Explanation/Reference:

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

QUESTION 58

Refer to the exhibit.

```
9:04:41am up 5 min, 637 worlds, 4 VMs, 6 vCPUs; CPU load average: 0.33, 0.09, 0.00
PCPU USED (%): 89 90 95 97 AVG: 92
PCPU UTIL (%): 88 89 94 96 AVG: 92
```

ID	GID	NAME	NWLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVLDP	%CSTP	%MLMTD	%SWPWT
8	8	helper	294	0.00	400.00	0.00	28784.56	-	400.00	0.00	400.00	0.00	0.00	0.00
1	1	system	152	1.35	31.90	0.15	14796.04	-	373.34	0.00	0.29	0.00	0.00	41.54
14865	14865	Linux2	7	73.32	74.45	0.07	582.88	0.32	50.48	0.11	0.20	0.00	0.00	0.00
14873	14873	Win1	9	115.74	116.08	0.00	743.07	16.52	45.26	23.51	0.36	5.66	0.00	0.00
14881	14881	Win2	9	104.23	104.40	0.00	759.42	16.44	43.60	41.62	0.35	2.63	0.00	0.00
14895	14895	Linux1	7	67.84	69.86	0.00	605.51	0.00	32.46	0.00	0.08	0.00	0.00	0.00
5485	5485	hostd.66720	21	2.30	2.30	0.00	2100.00	-	2.16	0.00	0.00	0.00	0.00	0.00
5233	5233	rhhttpproxy.6668	14	0.29	0.30	0.01	1400.00	-	0.93	0.00	0.00	0.00	0.00	0.00
9	9	drivers	12	0.00	0.00	0.00	1200.00	-	0.21	0.00	0.00	0.00	0.00	0.00
10	10	ft	4	0.00	0.00	0.00	399.89	-	0.20	0.00	0.00	0.00	0.00	0.00
1012	1012	vmsyslogd.65822	3	0.13	0.14	0.00	300.00	-	0.16	0.00	0.00	0.00	0.00	0.00
14857	14857	esxtop.68027	1	2.78	3.89	0.00	97.10	-	0.13	0.00	0.00	0.00	0.00	0.00
14777	14777	sshd.68017	1	0.07	0.07	0.00	100.00	-	0.07	0.00	0.00	0.00	0.00	0.00

What does the %RDY for the Win1 virtual machine indicate? (Choose the best answer.)

- A. High CPU wait time
- B. Low CPU usage
- C. High CPU contention
- D. Low CPU contention

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://communities.vmware.com/thread/463542>

QUESTION 59

Refer to the exhibit.

Alarm Rule1



IF

VM CPU Ready Time is below 1000=== ms for 15 min

[ADD ADDITIONAL TRIGGER](#)

THEN

Trigger the alarm and Show as Critical

Send email notifications ☐

[ADD ANOTHER RULE](#)
[DUPLICATE RULE](#)
[REMOVE RULE](#)

An administrator is consistently receiving an alarm regarding a CPU performance issue; however, there is NO CPU issue identified.

What can the administrator do to make sure the alarm is triggered when there is an actual CPU performance issue? (Choose the best answer.)

- A. Change 'VM CPU Ready Time' to 'VM Memory Usage.'
- B. Change 'Show as Critical' to 'Show as Warning.'
- C. Change 'VM CPU Ready Time' to 'VM CPU Usage.'
- D. Change 'is below' to 'is above.'

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

An IT department is decommissioning a storage array and tasks an administrator with removing a datastore from ESXi hosts.

What is a prerequisite for unmounting the datastore? (Choose the best answer.)

- A. The datastore is NOT managed by Storage DRS.
- B. The datastore is NOT being used by vSphere High Availability heartbeating.
- C. The datastore is NOT referenced by a host profile.
- D. The datastore does NOT contain powered-off virtual machines.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://kb.vmware.com/s/article/2004605>

QUESTION 61

vCenter High Availability (HA) protects vCenter Server against host and hardware failures.

What is the minimum number of ESXi hosts required to enable this capability? (Choose the best answer.)

- A. 5
- B. 7
- C. 1
- D. 3

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/vsphere-esxi-vcenter-server-70-availability-guide.pdf>
(73)

QUESTION 62

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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:
<https://kb.vmware.com/s/article/1000627>

QUESTION 63 Which tool is used to monitor the vCenter Server Appliance resources? (Choose the best answer.)

- A. vintop
- B. esxtop
- C. esxcli
- D. vmstat

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:
<https://virtualizationreview.com/articles/2018/04/03/ow-to-monitor-a-vcsa-using-vintop.aspx>

QUESTION 64

An administrator places a 300 GB virtual machine named "Finance1" on a 2 TB datastore containing other virtual machines. After virtual machine placement, the datastore has 200 GB of free space. The accounting department takes a nightly snapshot of Finance1, then deletes the previous snapshot. The administrator is concerned about snapshots filling the datastore.

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

- A. The snapshots on Finance1 cannot outgrow the datastore in less than 24 hours.
- B. Any snapshot on Finance1 has the potential to fill the datastore to capacity.
- C. vCenter Server will not allow snapshots to fill the datastore beyond 95%.
- D. The snapshots on Finance1 will be automatically committed if SEsparse format is used.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65 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)

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-5D5EE0D1-2596-43D7-95C8-0B29733191D9.html>

QUESTION 66 An administrator wants to enable bandwidth allocation for workloads by using Network I/O Control.

What should the administrator configure to accomplish this? (Choose the best answer.)

- A. Management traffic
- B. Virtual machine traffic
- C. Load-balancing
- D. NIC teaming policy

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-E13CC2B0-5357-4261-8C0E-8BE5BD56BD20.html>

QUESTION 67

Which type of network adapter is designed to provide connectivity to hosts and handle the standard system traffic of vSphere vMotion? (Choose the best answer.)

- A. VMkernel port
- B. VXLAN virtual tunnel end point (VXLAN VTEP)
- C. Virtual machine network interface card (VMNIC)

D. VM network

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-D4191320-209E-4CB5-A709-C8741E713348.html>

QUESTION 68 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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69 How does vSphere handle memory allocation during the instant clone process? (Choose the best answer.)

- A. The first child virtual machine serves as a memory snapshot for any subsequent child virtual machines.
- B. An identical clone of the parent virtual machine's memory is created for each child virtual machine
- C. Memory is shared among all child virtual machines using a delta disk.
- D. A unique memory pool is created per child virtual machine using copy-on-write.



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70 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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference: