

VMware

Exam Questions 2V0-21.20PSE

Professional VMware vSphere 7.x



NEW QUESTION 1

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 2

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

Answer: B

NEW QUESTION 3

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 4

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

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

Answer: A

NEW QUESTION 5

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 6

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 7

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 8

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 9

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)

Answer: B

NEW QUESTION 10

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

Answer: A

NEW QUESTION 10

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 14

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.

Answer: A

NEW QUESTION 19

An administrator is utilizing Network I/O Control (NIOC) to allocate bandwidth utilization on a physical 10 Gbps adapter.

What is the maximum amount of bandwidth that can be reserved? (Choose the best answer.)

- A. 2.5 Gbps
- B. 10 Gbps
- C. 5.0 Gbps
- D. 7.5 Gbps

Answer: D

NEW QUESTION 23

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

- A. vSphere Fault Tolerance
- B. Cross vCenter Migration
- C. vSphere Storage vMotion
- D. vSphere Replication

Answer: A

NEW 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

Answer: DE

Explanation:

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

NEW QUESTION 29

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.

Answer: D

NEW QUESTION 30

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 33

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

Answer: D

NEW QUESTION 34

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 35

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.

Answer: B

NEW QUESTION 37

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

Answer: B

NEW QUESTION 42

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.

Answer: A

NEW QUESTION 47

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

Answer: C

NEW QUESTION 50

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 51

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

Answer: A

NEW QUESTION 53

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 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)

Answer: B

NEW QUESTION 57

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.

Answer: C

NEW QUESTION 62

Which tool is used to monitor the free space in the vCenter Server database? (Choose the best answer.)

- A. esxtop
- B. df
- C. vimtop
- D. vmstat

Answer: B

NEW QUESTION 63

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.

Answer: A

Explanation:

https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vm_admin.doc/GUID-53F65726-A23B

NEW QUESTION 65

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 70

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

NEW QUESTION 75

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

Answer: B

NEW QUESTION 77

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 81

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.

Answer: B

Explanation:

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-853B1E2B-76C

NEW QUESTION 86

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 91

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 93

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 97

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

Answer: DE

NEW QUESTION 99

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

Answer: B

NEW QUESTION 100

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 101

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.

Answer: B

Explanation:

<https://kb.vmware.com/s/article/1002836>

NEW QUESTION 103

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.

Answer: DE

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-25C3D9FE-3A9D>

NEW QUESTION 105

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.

Answer: B

Explanation:

<https://kb.vmware.com/s/article/2034074>

You can join vCenter Server instances in Linked Mode only when all of the instances are registered in the same Single Sign-On deployment. This includes Single Sign-On instances installed on different sites. When vCenter Server B on site B is joined to vCenter Server A on site A, the join tool establishes connection both to Single Sign-On A and Single Sign-On B.

NEW QUESTION 109

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 114

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

Answer: AB

Explanation:

<https://www.stevenbright.com/2020/04/getting-started-with-vsphere-7-0-lifecycle-manager/>

NEW QUESTION 119

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