

2V0-21.20 Dumps

Professional VMware vSphere 7.x

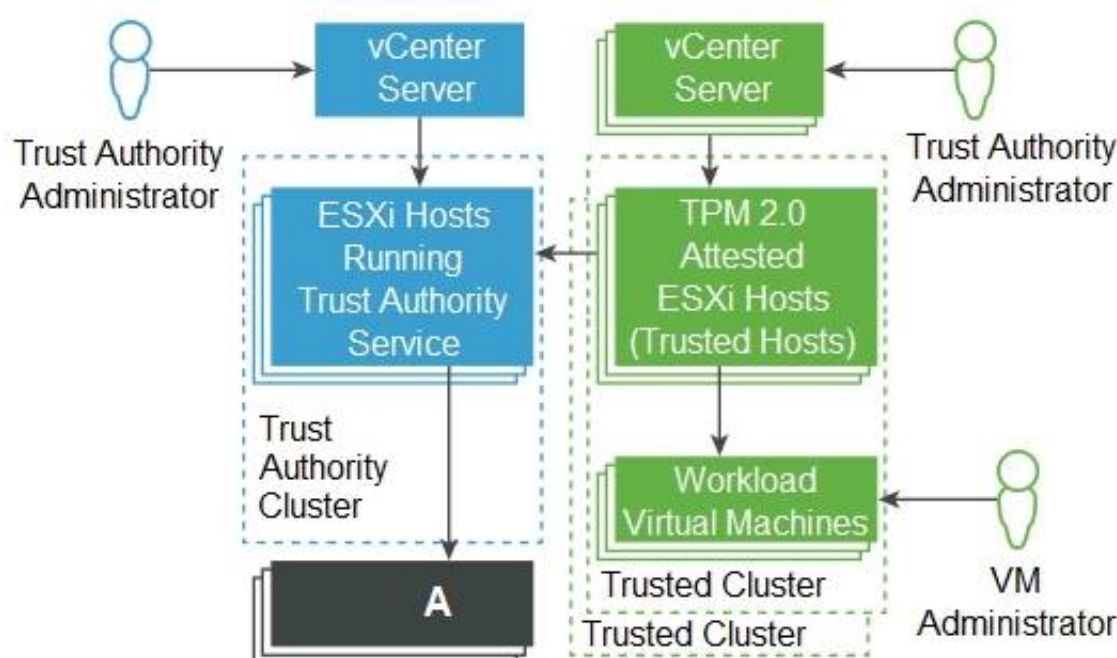
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NEW QUESTION 1

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

Answer: A

NEW QUESTION 2

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

Answer: C

NEW QUESTION 3

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

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

Answer: AE

Explanation:

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

NEW QUESTION 4

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

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

Answer: B

NEW QUESTION 5

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 6

How many vSphere Trust Authority Clusters can a Trusted Cluster reference? (Choose the best answer.)

- A. 1
- B. 4
- C. 8
- D. 2

Answer: A

NEW QUESTION 7

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

Answer: A

NEW QUESTION 8

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

Answer: C

NEW QUESTION 9

Which feature can be used to specify data services for virtual disks, such as caching or replication? (Choose the best answer.)

- A. Host profiles
- B. Virtual machine storage policies
- C. VM Customization Specification
- D. Storage Distributed Resource Scheduler (DRS)

Answer: B

NEW QUESTION 10

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

Answer: D

NEW QUESTION 10

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.

Answer: BC

NEW QUESTION 11

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 12

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 16

An administrator is configuring ESXi host behavior before and during the remediation process. Which remediation setting is supported only on select hardware platforms? (Choose the best answer.)

- A. VM migration
- B. HA admission control
- C. Maintenance mode failures
- D. Quick Boot

Answer: D

NEW QUESTION 21

What is the default shutdown order of virtual machines (VMs) on a host? (Choose the best answer.)

- A. Alphabetical based on VM names
- B. Highest utilization to lowest utilization
- C. Largest VM to smallest VM
- D. Reverse of the startup order

Answer: D

NEW QUESTION 22

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

Answer: B

NEW QUESTION 23

A new vSphere 7.0 environment is deployed with the following:

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

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

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

Answer: D

NEW QUESTION 25

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 26

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 27

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 31

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 35

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

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

Answer: B

NEW QUESTION 38

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 43

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 46

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

Answer: B

NEW QUESTION 47

An administrator is investigating the reason for a virtual machine restarting. In the vmware.log file, the administrator finds the following error:

```
svga | I120: WinBSOD: ( 1) 'A problem has been detected and Windows has
been shut down to prevent damage'
svga | I120: WinBSOD: ( 2) 'to your computer.'
svga | I120: WinBSOD: ( 4) 'If this is the first time you've seen this
Stop error screen,'
svga | I120: WinBSOD: ( 5) 'restart your computer. If this screen
appears again, follow'
svga | I120: WinBSOD: ( 6) 'these steps:'
svga | I120: WinBSOD: ( 8) 'Disable or uninstall any anti-virus, disk
defragmentation'
svga | I120: WinBSOD: ( 9) 'or backup utilities. Check your hard drive
configuration,'
svga | I120: WinBSOD: (10) 'and check for any updated drivers. Run
CHKDSK /F to check'
svga | I120: WinBSOD: (11) 'for hard drive corruption, and then restart
your computer.'
svga | I120: WinBSOD: (13) 'Technical information:'
svga | I120: WinBSOD: (15) '*** STOP: 0x00000024
(0x000000000001904FB, 0xFFFFF880069B2CE8, 0xFFFFF880069B2540,0'
svga | I120: WinBSOD: (16) 'xxFFFFF880014F5FA2)
```

What is a likely cause of this virtual machine restart? (Choose the best answer.)

- A. Guest operating system fault
- B. User or API request to shut down guest operating system
- C. High Availability
- D. User or API request to restart guest operating system

Answer: A

NEW QUESTION 50

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

Answer: D

NEW QUESTION 55

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 59

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 61

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 66

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 71

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

Answer: B

NEW QUESTION 72

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.

Answer: B

NEW QUESTION 74

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	%OVRLP	%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	httpd.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	vmtoolsd.65822	3	0.13	0.14	0.00	300.00	-	0.16	0.00	0.00	0.00	0.00	0.00
14857	14857	esxcli.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

Answer: C

NEW QUESTION 79

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 84

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

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

Answer: AE

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID-1BDC7194-67A7>

<https://www.vmware.com/mena/products/vsphere/replication.html#:~:text=vSphere%20Replication%20is%20a>

NEW QUESTION 85

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

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

Answer: AE

NEW QUESTION 89

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 92

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 95

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

Answer: D

NEW QUESTION 99

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

Answer: BC

NEW QUESTION 104

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 107

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 111

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

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

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

Answer: CD

Explanation:

https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A

NEW QUESTION 116

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

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

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

Answer: AB

Explanation:

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

NEW QUESTION 120

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 124

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 128

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 133

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