

VMware

Exam Questions 2V0-21.20

Professional VMware vSphere 7.x



NEW QUESTION 1

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 2

Which two performance tools can be used to monitor virtual machines outside the guest operating system? (Choose two.)

- A. vCenter Server performance charts
- B. Task Manager
- C. top
- D. esxtop
- E. Perfmon

Answer: AE

NEW QUESTION 3

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

Answer: A

NEW QUESTION 4

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 5

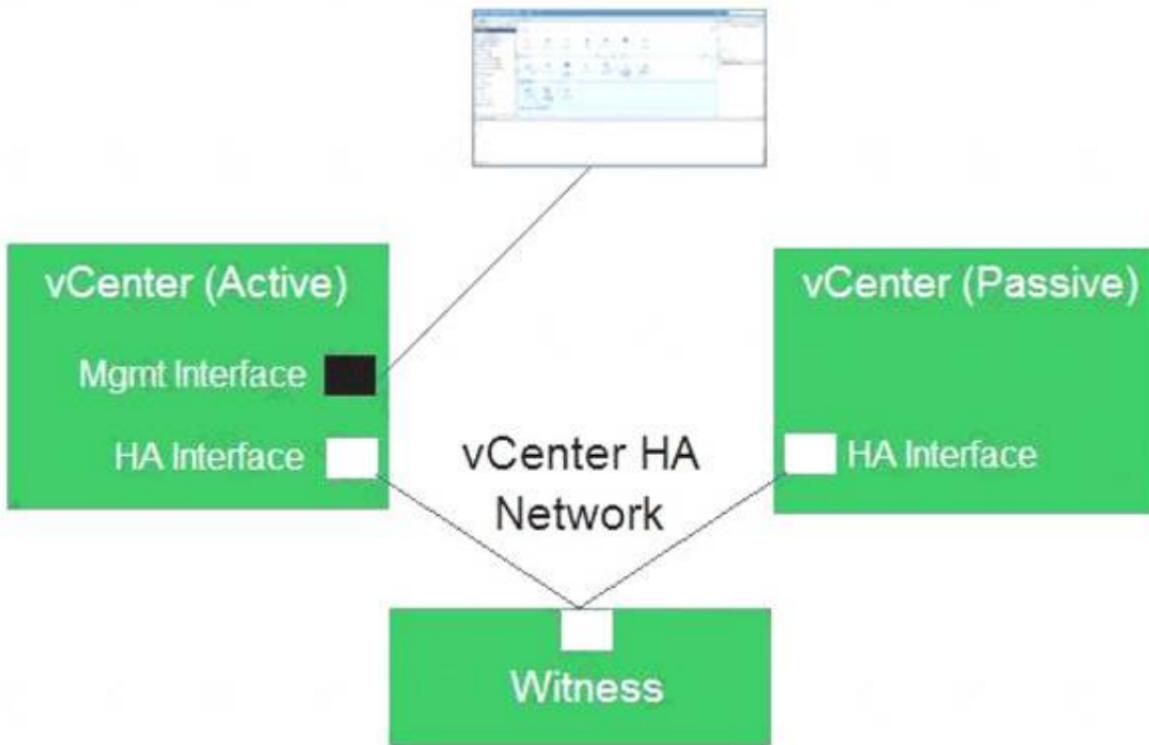
Which two components are core to vSphere? (Choose two.)

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

Answer: AC

NEW QUESTION 6

Refer to the exhibit.



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

- A. A secondary witness node
- B. The management interface on the passive node
- C. The connection between the active and passive nodes
- D. The management interface and connection on the witness node

Answer: C

NEW QUESTION 7

An administrator is unable to manage certificates with the vSphere Client.
 What is another supported option that can be used to manage certificates? (Choose the best answer.)

- A. vCenter Server Management Interface
- B. Command Line Interface
- C. vRealize Operations Manager
- D. Cloud Builder

Answer: B

NEW QUESTION 8

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 9

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 10

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 10

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 13

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 16

A company has one corporate datacenter (C1) and one regional datacenter (R1). There is a vCenter Server in each location. An administrator wants a central library available to C1 and R1 for all templates and ISO images.

Which two steps must the administrator take to configure the content library feature to meet this requirement? (Choose two.)

- A. Create a published content library on C1.
- B. Create a local content library on R1.
- C. Create a local content library on C1.
- D. Create a subscribed content library on C1.
- E. Create a subscribed content library on R1.

Answer: AE

NEW QUESTION 20

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 24

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 29

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 33

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 34

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

Answer: A

NEW QUESTION 37

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 41

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 43

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 45

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 | rhttpproxy.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 | vm syslogd.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

Answer: C

NEW QUESTION 47

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 52

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

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

Answer: A

NEW QUESTION 55

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.

Answer: B

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-8FD87389-8CC9-429>

NEW QUESTION 56

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 59

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 60

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 65

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

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

Answer: C

NEW QUESTION 69

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 70

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 74

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 77

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 82

What are two supported ESXi boot options? (Choose two.)

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

Answer: BD

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-2A66A330-A9E5-4>

NEW QUESTION 86

An administrator is NOT able to enable ESXi secure boot.
What is a possible cause of this issue? (Choose the best answer.)

- A. The vCenter Server version is 7.0.
- B. ESXi is using Trusted Platform Module version 1.2.
- C. The ESXi version is 7.0
- D. ESXi is using Unified Extensible Firmware Interface (UEFI).

Answer: C

NEW QUESTION 89

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 90

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