

2V0-21.19D

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Exam A

QUESTION 1

An administrator is installing a Platform Services Controller Instance.
Which two options are available during the installation process? (Choose two.)

- A. choose deployment size
- B. specify vSphere administrator credentials
- C. enable Enhanced Linked Mode
- D. create a vCenter Single sign-on domain



existing domain

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.install.doc/GUID-AD3C6884-C1CC-4A2A-A373-1BA240C44C38.html>

QUESTION 2

An administrator runs a vSphere cluster containing database VMs with extremely heavy disk I/O. Database VMs are placed on a costly all-flash array. The workloads are not memory intensive.

How can the administrator ensure the most cost-effective utilization of the all-flash storage array?

- A. Enable Storage I/O Control on the flash datastores.
- B. Install VMware Tools on the database VMs to ensure the hypervisor can receive I/O metrics.
- C. Use a VM-to-Host affinity rule to ensure database VMs are prioritized.

D. Edit the cluster settings to place the virtual machine swap file on a different storage tier.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-2D749168-6BEE-4218-B95688980CE6AA9E.html>

QUESTION 3

What is a benefit of using resource pools?

- A. Increased visibility of user activity
- B. Increased vMotion efficiency for a set of VMs
- C. Increased accuracy for proactive resources for a set of VMs
- D. Increased ease of reserving resources for a set of VMs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 4

This error is generated when a vSphere administrator takes a VM snapshot:

An error occurred while taking a snapshot: Failed to quiesce the virtual machine

What should the administrator investigate to determine the cause of the failure?

- A. Check if the virtual machine is already running on snapshots.
- B. Check if the virtual machine is in suspended state.
- C. Check if VMware Tools is installed on virtual machine.
- D. Check if the virtual machine has an ISO mounted.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A vSphere administrator is working in a high security environment. The administrator wants to ensure unencrypted VMs can be migrated securely. What should the vSphere administrator use to meet this requirement?

- A. vTPM
- B. UEFI Secure Boot
- C. KMS Server
- D. encrypted vSphere vMotion

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-6865D84A-C286-49C4-A4D4-D62145150242.html>

QUESTION 6

For security reasons the VMware vSphere Update Manager (VUM) has no Internet access. What can be used to provide a central shared repository in a DMZ?

- A. VMware vSphere Update Manager Download Service
- B. vSphere Authentication Proxy
- C. VMware content library
- D. vCenter Server Appliance

Correct Answer: A

Section: (none)

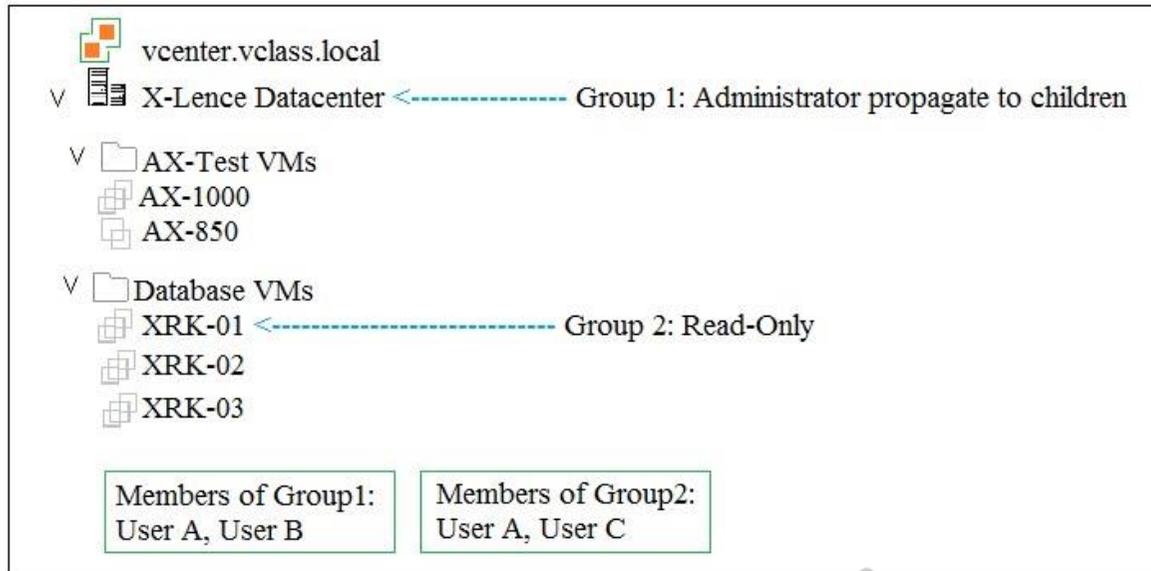
Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/1004455>

QUESTION 7

Which two tasks are allowed in the X-Lence data center? (Choose two.)



- A. User C can convert AX-850 to VM.
- B. User B can delete from disk XRK-01.
- C. User A can take a snapshot on XRK-01.
- D. User A can take a snapshot on AX-1000.
- E. User C can view configuration of AX-1000.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

What are two components of a VM-Host affinity rule? (Choose two.)

- A. Host Group
- B. Cluster settings

- C. VM restart priority
- D. VM restart action
- E. VM Group

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-2FB90EF5-7733-4095-8B66F10D6C57B820.html>

QUESTION 9

In a single cluster VM encryption scenario, which two VMs should be executed from encryption? (Choose two.)

- A. Platform Services Controller
- B. vSphere Replication Appliance
- C. vRealize Operations Manager
- D. VMware vCenter Server
- E. vRealize Log Insight



Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10

A vSphere administrator is performing a greenfield vSphere deployment with these requirements:

- vCenter Server sized for 100 ESXi hosts and 1000 virtual machines
- Each ESXi Host with 512 LUNs and 2048 paths mapped from Dell EMC XtremIO Storage Array Which

vCenter Server Appliance deployment size meets requirements?

- A. Large

- B. Tiny
- C. Medium
- D. Small

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Which migration technique could be used to move a VM between vCenters while the VM is powered on?

- A. Suspended
- B. Shared-nothing vSphere vMotion
- C. Cold
- D. Storage vMotion

Correct Answer: D

Section: (none)

Explanation



Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vcenterhost.doc/GUID-FE2B516E-7366-4978-B75C-64BF0AC676EB.html>

QUESTION 12

A VSS is configured with two uplinks and assigned a load balancing policy route based on a virtual port ID. What are two potential disadvantages of this configuration? (Choose two.)

- A. A VM with a single MAC address is limited to the speed of the uplink associated with the relevant port ID.
- B. Higher resource consumption compared to other load balancing algorithms will occur.
- C. The virtual switch is unaware of uplink load and uplinks might become overloaded.
- D. The NIC with less load is more likely to be chosen if port IDs match.
- E. ESXi will use NIOC to attempt to mitigate network congestion when an uplink becomes saturated.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-A4F1BF4B-8199-45A1-9578-1E4B6B08DAB0.html>

QUESTION 13

Which permission should be granted to a user with Administrator permission and with no access to the encrypted VM console?

- A. New role with no Cryptographic Operations
- B. Administrator role and Read Only Role
- C. Administrator role
- D. No Cryptography Administrator role

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-17568345-E59E-43A8-A811-92F8BE9C7719.html#GUID-17568345-E59E-43A8-A811-92F8BE9C7719>

QUESTION 14

Which feature allows a vSphere administrator to reduce power consumption on a cluster?

- A. WOL
- B. BMC
- C. DPM
- D. DNS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

An administrator manages a cluster containing Production and Test VMs. Production VMs run on a VSS port group and a storage array separate from the Test VMs. The administrator wants to prevent large (>500GB) file transfers in Test from impacting Production. Which two configuration changes should the administrator make to achieve this? (Choose two.)

- A. Migrate the VSS port groups to VDS port groups.
- B. Install a second virtual NIC in the Production VMs.
- C. Move the Production VMs to a resource pool with a memory reservation.
- D. Enable the Test VMs to a dedicated folder with CPU shares set to low.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

A vSphere administrator has a VM that needs to be deployed from a template located in an optimized content library. What needs to be done before the VM can be deployed?

- A. Export the template as an OVF.
- B. Clone the template to a new template.
- C. A subscribed content library needs to be created.
- D. Deploy VM from the template.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A8-43F0-90E8-3F6776C2C896.html

QUESTION 17

A vSphere administrator has the privilege Content library > Add library item on the vCenter object, but is unable to add items to a local content library. How would the vSphere administrator correct this?

- A. Remove the No Access role on the vCenter object.
- B. Restart the Content Library Service.

- C. Assign the privilege to the global root object.
- D. Reboot the vCenter Server Appliance.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

An administrator is elevating the security posture of a vSphere environment after a recent data breach. All VMs will be encrypted as part of this plan. Which additional component is required for the encryption?

- A. KMS server
- B. two-factor authentication
- C. encrypted vSphere vMotion
- D. vSAN encryption

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 19

Which file extension can export host customization for host profiles?

- A. .xls
- B. .xml
- C. .csv
- D. .json

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.hostprofiles.doc/GUID-2E7398E2-1CF2-4448-96A3-1371B10936B1.html>

QUESTION 20

A vSphere administrator notices performance issues with the vCenter Server Appliance. The CPU usage is over 70%. Which two actions should the administrator take to investigate the performance issues? (Choose two.)

- A. Verify if all hosts are in a connected state.
- B. Use esxtop to identify which process are using high CPU. C. Use vimtop to identify which processes are using high CPU.



- D. Check the vCenter HA configuration.
- E. Check if vCenter Server is swapping.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A vSphere Administrator is receiving complaints a database VM is experiencing performance issues. The VM is a member of the high priority resource pool and the cluster has not experienced contention.

Which condition should be checked to address immediate performance concerns?

- A. VM snapshots
- B. VMFS version

- C. Resource Pool share value
- D. Configured CPU shares

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

What could cause a high %RDY value?

- A. Incompatible network driver
- B. memory fully allocated
- C. too many vCPUs configured
- D. disk latency greater than 2ms

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 23

A vSphere Administrator wants to move a vCenter Server with an external Platform Services Controller from one SSO domain to another SSO domain. Which option in cmsso-util will achieve this?

- A. domain-repoint
- B. reconfigure
- C. unregister
- D. repoint

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-6994BBFF-D774-4D83-B694-6595E06569AC.html>

QUESTION 24

Using vSphere HA Orchestrated Restart an administrator places the most mission critical VM in the highest priority. After a host failure, the highest priority VM fails to restart while VMs in high priority restart. What would cause this to occur?

- A. There are insufficient cluster resources.
- B. Performance degradation VMs tolerate threshold is at default.
- C. VMware Tools is not installed.
- D. Proactive HA is disabled.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

A vSphere administrator wants to enable Proactive HA in a vSphere cluster. What is required to use this feature?

- A. vROps must be installed.
- B. DRS must be enabled.
- C. DCUI must be enabled.
- D. VCHA must be configured.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A vSphere administrator is trying to create a resource pool but the option is grayed out. What must be enabled before creating a resource pool?

- A. DRS
- B. Storage DRS
- C. EVC
- D. HA

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/1004098>

QUESTION 27

An administrator is concerned about the amount of time the IT team takes to create multiple VLANs in a very dynamic vSphere environment. The environment has these parameters:

- All virtual networking utilizes vSphere Standard Switches with uplinks to a Cisco Infrastructure
- Activities require 5-10 VLANs being created or removed every couple of days ▪

The IT team has three members

How can the administrator centralize the virtual networking configuration so the IT team utilizes time more efficiently?

- A. Deploy a vRealize Orchestrator (vRO) appliance.
- B. Create and use a vSphere Distributed Switch (VDS).
- C. Enable and configure Storage I/O Control (SIOC).
- D. Enable and configure vSphere Network I/O Control (NIOC).

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

An administrator decides to implement vSphere networking using the VDS.

Which binding option should the administrator use to manage the VMs if vCenter becomes unavailable?

- A. static
- B. port
- C. ephemeral
- D. dynamic

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/1022312>

QUESTION 29

A vSphere administrator needs to migrate VMs in the same vCenter from New York to California due to impending severe weather. Which migration should the administrator perform without causing VM downtime?

- A. Long Distance vMotion
- B. Storage vMotion
- C. Cold migration
- D. Cross vCenter vMotion



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A vSphere administrator discovers the size of the .vswp file for a VM with 2 vCPUs and 4GB of memory is zero. What could be the cause?

- A. All VM memory is reserved.
- B. Memory reservation is not set.
- C. VM is running on a snapshot.
- D. VM is in a suspended state.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation: swap file = configured memory – memory reservation

QUESTION 31

A vSphere administrator has renamed the inventory name of a virtual machine.

Which task should the administrator perform to ensure the virtual machine files are also renamed to match the new virtual machine name?

- A. Take a virtual machine snapshot.
- B. Unregister and register the virtual machine in vCenter Server.
- C. Migrate the machine to another host with vSphere vMotion.
- D. Migrate the machine to another datastore with Storage vMotion.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/1029513>



QUESTION 32

An administrator needs to identify where the VM encryption settings are stored.

Which file stores the encryption setting?

- A. .vmdk
- B. vmsd
- C. .nvram
- D. .vmx

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

Where is vCenter SSO configured?

- A. In the service console
- B. In the DCUI
- C. In the vSphere client
- D. In the host client

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.psc.doc/GUID-A2A90265-4A6B-4E23-9681-97B867E55457.html>

QUESTION 34

After installing vCenter, which two identity sources and users are available by default? (Choose two.)

- A. vsphere.vclass
- B. Active Directory
- C. vsphere.local
- D. vIDM
- E. localos



Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.psc.doc/GUID-B23B1360-8838-4FF2-B074-71643C4CB040.html>

QUESTION 35

An administrator runs multiple clusters spread across multiple vCenters. The administrator needs to be able to migrate any VM to any cluster. On which two vCenter Server objects could the administrator configure EVC mode to fulfill this requirement? (Choose two.)

- A. VM
- B. resource pool

- C. datacenter
- D. cluster
- E. folder

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36

Which rule should be used in an SDRS environment to create a VM requiring virtual disks be kept on different datastores?

- A. VM Anti-Affinity Rule
- B. Intra-VM VMDK Affinity Rule
- C. VM-Host Affinity Rule
- D. Intra-VM VMDK Anti-Affinity Rule

Correct Answer: D
Section: (none)
Explanation



Explanation/Reference:

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-FC84ECD9-C7DA-4D27-B5EC0C8E396A6800.html>

QUESTION 37

What should be installed on a VM to enhance performance and enable additional features?

- A. RAMmap
- B. PsInfo
- C. Process Monitor
- D. VMware Tools

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/fusion-4/index.jsp?topic=%2Fcom.vmware.fusion.help.doc%2FGUID-82AEC35C-D3DC-42F4-A84B-542B1D501D2B.html>

QUESTION 38

Which two availability features require a VM restart for recovery? (Choose two.)

- A. vSphere DPM
- B. vSphere vMotion
- C. vSphere Replication
- D. vSphere Fault Tolerance
- E. vSphere HA

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39

A customer is experiencing a network performance problem and is using the esxtop utility to determine the cause. Esxtop reveals no dropped packets. Which two conditions should the customer check? (Choose two.)

- A. packet size
- B. data receive rate
- C. IPv6 support
- D. CPU contention

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40



An encrypted VM needs to be migrated from New York to London. This particular VM houses sensitive information that needs to be encrypted during transit. What must be done to ensure Long Distance vMotion traffic is encrypted in flight?

- A. Encryption must be handled at the physical network layer.
- B. vSphere vMotion uses encryption when migrating encrypted virtual machines.
- C. Long-Distance vSphere vMotion does not support encryption.
- D. Select encryption in the transit option.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcenterhost.doc/GUID-6865D84A-C286-49C4-A4D4-D62145150242.html>

QUESTION 41

How should a vSphere administrator deploy VMs with virtual hardware version 13 on an ESXi 6.7 host?

- A. Disable CPU Hot-Add feature.
- B. Change the EVC settings on the cluster.
- C. Change the default VM Compatibility settings.
- D. Disable snapshot operation for virtual machines.



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

An administrator wants to enable vCenter High Availability (vCenter HA) for a VMware vCenter Server Appliance (vCSA). The environment consists of the following:

- 50ms of latency between sites
- vCSA deployment size is small
- 3 hosts in the cluster hosting vCenter

What must the administrator do to enable vCenter HA?

- A. Add one host to reach the minimum requirement of 4 hosts.
- B. Deploy Windows vCenter because vCenter HA is not supported on vCSA.
- C. Deploy a vCSA of size medium or larger.
- D. Decrease network latency to 10ms or lower.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/2148442>

QUESTION 43

Which snapshot file is created on VMFS6?

- A. #####.vmdk
- B. ##### - delta.vmdk
- C. ##### - sesparse.vmdk
- D. Snapshot#.vmem

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-88E5A594-DEBC-4662-812F-EA421591C70F.html>

QUESTION 44

Which two software packages are included in vCenter Server Appliance? (Choose two.)

- A. vSphere Update Manager extension
- B. PostgreSQL database
- C. vSphere Data Protection extension
- D. vSphere Replication extension
- E. AppDefense extension



Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

What of RAM required by ESXi 6.7?

- A. 512MB
- B. 2GB
- C. 4GB
- D. 8GB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 46

What is the maximum number of vCenter Server Appliances that can be linked together using Enhanced Linked Mode and displayed in a single inventory view?

- A. 5
- B. 10
- C. 15
- D. 20

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-7A90361C-E95B-4C53-A328-3DB9EE20536D.html>

QUESTION 47

What is required for host attestation to secure the hypervisor?

- A. VM encryption
- B. CHAP
- C. TPM 2.0 chip
- D. KMS server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-10F7022C-DBE1-47A2-BD86-3840C6955057.html>

QUESTION 48

A vSphere administrator is trying to publish a content library.

How is the **Publish this content library externally** option made visible in the settings?

- A. Enable automatic synchronization.
- B. Use a library that is not already published.
- C. Select the authentication check box.
- D. Choose a library that is not subscribed.



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Which VMware solution provides integrated cloud infrastructure and cloud management services for VMware Cloud on AWS?

- A. VMware vCloud Director
- B. VMware Cloud Foundation
- C. VMware Cloud Automation Center
- D. VMware vCloud Connector

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

What are two requirements to deploy VMware Site Recovery Manager? (Choose two.)

- A. vCenter Server installed at the protected site and at the recovery site
- B. Identical storage at the protected site and at the recovery site
- C. host-based replication through vSphere Replication or preconfigured array-based replication
- D. identical vCenter Server versions installed at the protected site and at the recovery site
- E. identical ESXi versions installed at the protected site and at the recovery site

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:



QUESTION 51

What is a requirement when installing ESXi 6.7?

- A. NX/XD bit enabled for the CPU in the BIOS
- B. minimum of 8GB of physical RAM
- C. datastore for scratch partition
- D. minimum of four CPU cores

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.esxi.install.doc/GUID-DEB8086A-306B-4239-BF76-E354679202FC.html>



<https://vceplus.com/>

