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2V0-21.19D

Professional vSphere 6.7 Delta Exam 2019



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
- E. join an 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

A vSphere Administrator has multiple virtual machines running on a VMFS datastore. Which option prioritizes the disk access for the virtual machines?

- A. Disk Shares
- B. Disk Mode
- C. Disk Type
- D. Hard Disk

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3 What should be installed on a VM to assist with VM-to-host time synchronization?

- A. VMware Tools
- B. vRA guest agent
- C. vROps agent
- D. Guest Operations Manager

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.vm_admin.doc/GUID-C0D8326A-B6E7-4E61-8470-6C173FDDF656.html

QUESTION 4

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-B956-88980CE6AA9E.html>

QUESTION 5 An administrator has an environment with these conditions and requirements:

- The host provides 6GHz of CPU and 32GB of memory
- The host is shared between the Marketing and QA departments
- The QA department needs a higher compute resource priority

How can the administrator meet the conditions and requirements?

- A. Adjust NIOC or SIOC as appropriate to give the QA department a higher compute priority within the cluster.
- B. Create a resource pool for each department and use the Shares attribute to prioritize the allocation of resource.
- C. Assign affinity or anti-affinity rules to the appropriate VMs for each department.
- D. Set the VM priority to high for QA department VMs and normal for Marketing department VMs.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-3BD591CC-F685-4843-A46E-836B33E91B3E.html>

QUESTION 6 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 7

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 8

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 9

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)

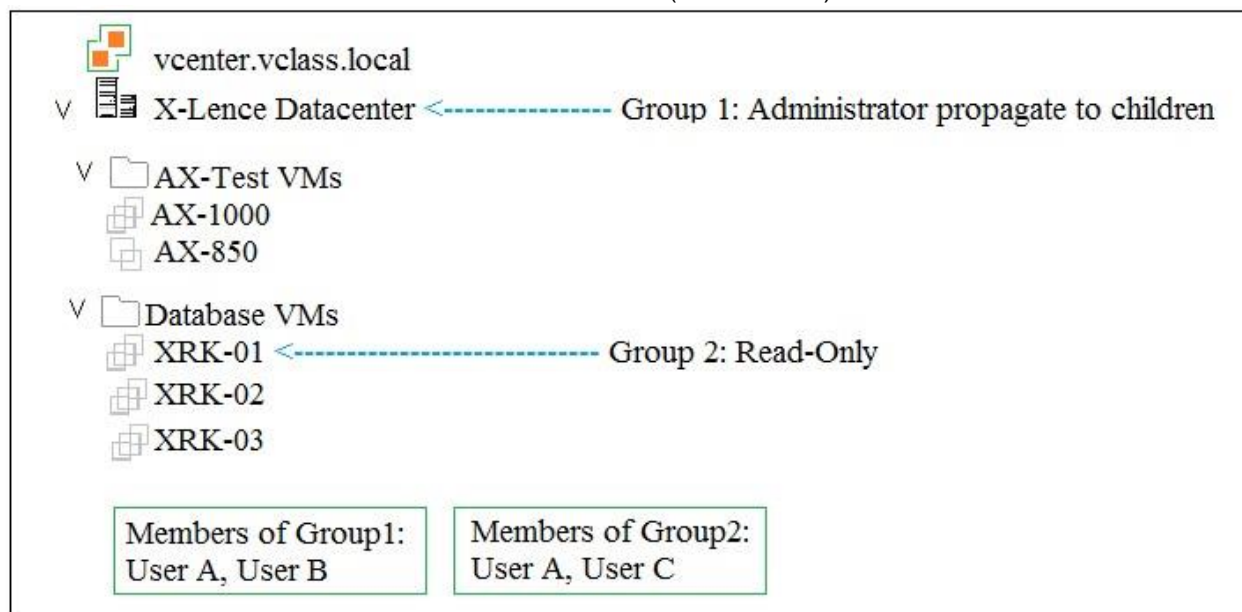
Explanation

Explanation/Reference:

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

QUESTION 10

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 11 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-2FB90EF5-7733-4095-8B66-F10D6C57B820.html>

QUESTION 12 What does ESXi Autoconfiguration do?

- A. sets up host profiles
- B. configures system network and storage devices
- C. determines the number of hosts to be deployed
- D. configures Auto Deploy



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc%2FGUID-3A409297-517E-4E7D-99D0-DE41386911B3.html>

QUESTION 13

An administrator is using vSphere Web Client to configure the firewall to allow specific third-party application SSH access to an ESXi Host.
What is the most secure way to configure the firewall rule?

- A. Specify remote IP subnet range in IP List.
- B. Use Allow connection from any IP address.
- C. Enable lockdown mode.
- D. Disable the firewall.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14 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 15 Which vSphere feature is designed to distribute space usage and I/O load across multiple datastores?

- A. Storage Policies
- B. vStorage API for Array Integration
- C. Storage I/O Control
- D. vSphere Storage DRS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 16

A vSphere administrator creates a VM with 2 vCPUs and 4GB memory. A 3GB memory reservation is applied to the VM. What size is .vswp file when the VM is powered on?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

An administrator suspects poor VM performance. The administrator runs `esxtop` and sees the following output from the CPU and memory screens:

```
6:48:19pm up 4:22, 528 worlds, 8 VMs, 16 vCPUs, CPU load average: 0.26, 0.36, 0.16
VMKMEM/MB: 8151 managed: 407 minfree, 3055 rsvd, 5095 ursvd, high state
```

What can the administrator conclude from this output?

- A. The host has too many worlds running.
- B. The host is ballooning.
- C. The host has adequate memory.
- D. The host is under CPU pressure.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Which teaming and failover policy offers the lowest latency when a failover or a migration with vSphere vMotion occurs?

- A. Network failure detection
- B. Fallback
- C. Notify switches
- D. Load balancing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.networking.doc/GUID-4D97C749-1FFD-403D-B2AE-0CD0F1C70E2B.html>

QUESTION 19

Which two features should an administrator use to protect a VMware vCenter Server Appliance from host and hardware failures? (Choose two.)

- A. VMware Distributed Power Management
- B. vCenter High Availability
- C. vSphere High Availability
- D. vSphere Fault Tolerance
- E. VMware vSphere Distributed Resource Scheduler



Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Which DCUI option determines the time frame an administrator has to log in to the ESXi Shell after enabling the service?

- A. Idle Timeout
- B. Availability Timeout
- C. Enable SSH
- D. Enable ESXi Shell

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/5.5/com.vmware.vsphere.security.doc/GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB.html#GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB>

QUESTION 21

Which two VMware solutions track and analyze the operation of multiple data sources? (Choose two.)

- A. vRealize Log Insight
- B. vRealize Operations Manager

- C. vRealize Life Cycle Manager
- D. vRealize Automation
- E. vRealize Orchestrator

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vRealize-Suite/7.0/com.vmware.vrealizesuite.overview.doc/GUID-A15F2F4D-108B-4C44-BCF7-FCB4EC76BCBE.html>

QUESTION 22 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 23 What is used by a VM for direct access to a LUN?

- A. vSAN
- B. RDM
- C. NVMe
- D. ext3

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-D06EC5D3-FCE6-4E07-8967-0D146A12FEA0.html>

QUESTION 24

A vSphere administrator uses a Dedicated Failover Hosts Admission Control Policy in a cluster. An ESXi host fails and vSphere HA attempts to restart the VMs onto the dedicated failover hosts. The hosts have insufficient resources. What happens to the VMs?

- A. vSphere HA restarts VMs in another cluster.
- B. vSphere HA suspends the VMs until a host is available.
- C. vSphere HA powers down the VMs.
- D. vSphere HA attempts to restart the VMs on other hosts in the cluster.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc_50%2FGUID-C4F5F9EE-4235-4151-BEBE-FCB2A752407B.html

QUESTION 25 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 26

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 27

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 28 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 29

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 30

The VM storage policy compliance status is out of date.

Which step should the administrator take to maintain compliance with the existing storage policy?

- A. Change the service level capability.
- B. Assign a new storage policy.
- C. Reapply the storage policy.
- D. Migrate VM to another host.



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-476613DD-787A-4E97-8FA5-00639D206FD2.html>

QUESTION 31

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 32

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 33 What should the administrator do to monitor the size of the VM snapshot?

- A. Use native Guest OS monitoring tools.
- B. Install VMware Tools.
- C. Create a condition-based alarm.
- D. Run `esxtop`.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/1018029>



QUESTION 34

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 35 How is vCenter HA different from vSphere HA?

- A. vCenter HA requires only an active and passive node.
- B. vCenter HA requires an external Platform Services Controller.
- C. vCenter HA requires Fault Tolerance.
- D. vCenter HA requires an active, passive, and witness node.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://nolabnparty.com/en/vmware-vcenter-high-availability-setup-pt-1/>

QUESTION 36 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 37

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 vmtop 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 38**

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 39**

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 40

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 41

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 42

An administrator wants to ensure the VMs for two different departments are separated on a single broadcast domain. Which configuration fulfills this requirement?

- A. PVLAN on Uplink Port
- B. PVLAN on VMkernel Interface
- C. PVLAN on VSS
- D. PVLAN on VDS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

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 44

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 45

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 46

A cluster contains database VMs which have low utilization, except during a weekly data load that causes extremely high utilization.

As DRS balances the VM load, there is an extended period of slow performance.

Which two actions could be taken to reduce the impact of the recurring data load? (Choose two.)

- A. Increase the number of vCPUs on the database VMs.
- B. Enable VMware vRealize Operations Manager Integration with VMware vCenter.
- C. Enable Proactive HA on the cluster.
- D. Enable Predictive DRS on the cluster.

E. Increase the RAM allocated to the database VMs.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://vspherecentral.vmware.com/t/resource-management-and-availability/vsphere-resources-and-availability/predictive-drs/>

QUESTION 47

A vSphere Administrator configures Quick Boot to restart an ESXi host without rebooting the physical hardware. In order to troubleshoot any ESXi Quick Boot issues which log file needs to be reviewed?]

- A. vmkeventd.log
- B. vmkernel.log
- C. vpxa.log
- D. loadESX.log

Correct Answer: D

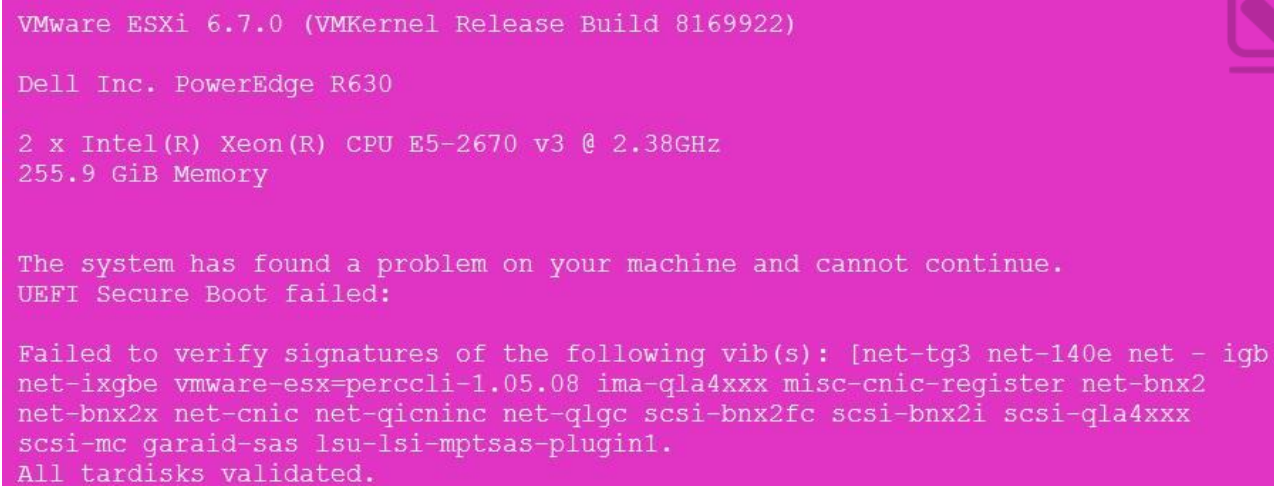
Section: (none)

Explanation

Explanation/Reference:

QUESTION 48 Refer to the exhibit.

What is required to fix the PSOD?



```
VMware ESXi 6.7.0 (VMKernel Release Build 8169922)

Dell Inc. PowerEdge R630

2 x Intel(R) Xeon(R) CPU E5-2670 v3 @ 2.38GHz
255.9 GiB Memory

The system has found a problem on your machine and cannot continue.
UEFI Secure Boot failed:

Failed to verify signatures of the following vib(s): [net-tg3 net-140e net - igb
net-ixgbe vmware-esx=perccli-1.05.08 ima-qla4xxx misc-cnic-register net-bnx2
net-bnx2x net-cnic net-qicninc net-qlgc scsi-bnx2fc scsi-bnx2i scsi-qla4xxx
scsi-mc garaid-sas lsu-lsi-mptsas-plugin1.
All tardisks validated.
```

- A. Skip unused VIBs during boot up.
- B. Reboot the host.
- C. Remove unsigned VIBs.
- D. Reboot and enable secure boot from the UEFI firmware interface.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/2147606>

QUESTION 49

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 50

A vSphere administrator configures log forwarding for remote syslog server in a vCenter Server Appliance (VCSA) through the vCenter Server Appliance Management Interface (VAMI). What is the maximum number of remote syslog servers that can be configured?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcsa.doc/GUID-9633A961-A5C3-4658-B099-B81E0512DC21.html>

QUESTION 51

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 52 Which vSphere APIs support storage hardware acceleration?

- A. vSphere APIs for Storage Awareness (VASA)
- B. vSphere APIs for I/O Filtering (VAIO)
- C. VMware vStorage APIs for Data Protection (VADP)
- D. VMware vSphere Storage APIs Array Integration (VAAI)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.storage.doc/GUID-F0FA0117-D48F-4F6F-BE3F-A06BF26F742C.html>

QUESTION 53

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 54 Which action should be taken to secure iSCSI devices in a vSphere environment?

- A. Require Secure Remote Protocol.
- B. Require ESXi hosts to use iSCSI port binding.
- C. Require vCenter Enhanced Linked Mode.
- D. Require ESXi hosts to authentication to the target.



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-DFC745FB-CDD6-4828-8948-4D0E0561EEF8.html>

QUESTION 55 What are two advantages of deploying a VDS as compared to a VSS?
(Choose two.)

- A. Data center setup and administration are simplified by centralizing network configuration.
- B. There is IPv6 support for a VDS.
- C. 802.1Q tagging support is available.
- D. Uplinks are allowed to be configured in an Active/Standby configuration.
- E. Ports migrate with their clients.

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

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 57

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 58

In a vSphere HA enabled cluster, what happens if the master host is unable to communicate with a slave host over the management network?

- A. The host is dropped from the cluster.
- B. The master host uses datastore heartbeating.
- C. A new master host is elected.
- D. VM are rebooted by vSphere HA.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc_50%2FGUID-B9ACCE9B-A14D-4B2F-87EF-4B0A67ABDF58.html

QUESTION 59

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 60 Which VM storage policy rule category ensures all VMs for a department are on the same datastore?

- A. Capability
- B. Data Service
- C. Host
- D. Tag

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61 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 62

A vSphere administrator has configured software iSCSI port binding in the environment with two VMkernel ports and four target portals. How many iSCSI sessions would be created from bound ports to targets?

- A. 2
- B. 4
- C. 8
- D. 16

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

A vSphere administrator is required to join all strategies ESXi hosts to an Active Directory domain for enhanced security. Which utility would accomplish this?

- A. Unified Access Gateway
- B. vSphere Update Manager vSphere Authentication Proxy vSphere Auto Deploy

C.

D.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

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 65 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-B5EC-0C8E396A6800.html>

QUESTION 66 What should be installed on a VM to enhance performance and enable additional features?

- A. RAMmap
- B. PsInfo
- C. Process MonitorD. 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 67

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 68

A vSphere Administrator wants to convert a vCenter Server instance with an external Platform Services Controller to an embedded Platform Services Controller instance. Which tool should be used to accomplish this?

- A. VMware vCenter Converter
- B. Cloud Client Utility
- C. Convergence Utility
- D. Cmsso-util Utility

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-A4E3C370-5F20-4A8D-9E66-FB45DD5CDD02.html>

QUESTION 69 An administrator runs vSphere Infrastructure in the following configuration:



- Single vCenter
- Multiple data centers
- Multiple clusters under each data center, all with identical hardware

The administrator wants to use host profiles to manage the hosts. Where should the administrator attach the host profile?

- A. vCenter object
- B. each cluster
- C. each data center
- D. each folder

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

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
 - IPv6 support
 - CPU contention

C.

D.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71

A vSphere Administrator needs to configure a file-based backup and restore for a vCenter Server Appliance. Which two options are available to perform a successful backup and restore? (Choose two.)

- A. Schedule a file-based restore task.
- B. Backup using the GUI Installer of the appliance.
- C. Restore from files on the local machine.
- D. Restore using the GUI installer of the appliance.
- E. Schedule a file-based backup task.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-3EAED005-B0A3-40CF-B40D-85AD247D7EA4.html>

QUESTION 72 Which two options could the administrator use to start the vSphere Authentication Proxy Service (Choose two.)

- A. vIDM
- B. vSphere Client
- C. ESXi Command Line
- D. VAMI
- E. PSC



Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-DFA95E13-EC95-4951-B94F-6D08CCFAC188.html>

QUESTION 73

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 74** 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 75

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 76 What is the benefit of using Allow Quick Boot during host updates on supported hardware?

- A. reduces host remediation time
- B. enhances VM migration time
- C. creates a restart priority sequence
- D. enables host PXE boot

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.update_manager.doc/GUID-BA104BA1-26A3-48C7-B990-497479AF6111.html

QUESTION 77

A vSphere administrator has a requirement to add the identity source with the Integrated Windows Authentication option on vCenter Server with External Platform Services Controller. Which two conditions should be met to complete the task? (Choose two.)

- A. Platform Services Controller must be able to reach the AD domain.
- B. vCenter Server should be joined to AD Domain.
 - External Platform Services Controller should be an appliance.
 - External Platform Services Controller should be joined to AD Domain.
- E. vCenter Server must be in Enhanced Linked Mode configuration.

C.

D.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

An administrator is planning a new cluster deployment supporting groups of 4 fault tolerant VMs. The fault tolerant systems require 8 vCPUs each. What is the minimum number of hosts required to achieve this?

- A. 4
- B. 8
- C. 16
- D. 32

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79 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 80 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 81

Why is it necessary to select the policy structure type before creating a storage policy?

- A. defines if the storage policy is thick or thin provisioned
- B. defines the VM virtual hardware version
- C. defines rule categories available for storage policy use
- D. defines if SIOC will be used

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

An administrator is deploying a new mission critical database. The database requirements are 12 vCPUs and 24GB of RAM. What can the administrator enable for the lowest possible downtime?

- A. DRS
- B. vSphere replication
- C. fault tolerance
- D. proactive HA

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 83

A vSphere administrator wants to deploy a VM directly from a VM template that is stored in a content library? How can the administrator accomplish this?

- A. Publish the content library first.
- B. Convert the VM template to OVA.
- C. Use the vSphere Client.
- D. Copy the VM template to a local drive.

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-6EA309BC-9113-449C-B668-ACBB363485C3.html

QUESTION 84 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 85

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 86 What are two requirements to implement vTPM in a vSphere environment?

(Choose two.)

- A. select EFI firmware for VM
- B. enable TPM on ESXi host
- C. enable UEFI Secure Boot
- D. use VM hardware version 14
- E. disable Quick Boot

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.virtualizationhowto.com/2018/11/securing-vmware-virtual-machines-with-encryption-vbs-and-vtpm/>

QUESTION 87 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 88 Which configuration could prevent an administrator from performing a vSphere vMotion migration?

- A. CPU affinity is enabled on the VM.
- B. The ESXi hosts use IPv6 addresses.
- C. The VM has an RDM in virtual compatibility mode.
- D. 1GbE adapters are in use for the vMotion network.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/1003842>

QUESTION 89 Which action should be taken to ensure vSphere Update Manager (VUM) is available?

- A. Download VUM from myVMware.
- B. Consider Windows based vCenter for compatibility.
- C. Enable VUM in the vSphere Client.
- D. Install VCSA.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

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 91 Where is vSphere Client Service health viewed?

- A. VAMI
- B. ESXi DCUI
- C. Performance Charts
- D. Host Client

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

A vSphere administrator wants to deploy a new vCenter Server 6.7 with an embedded Platform Services Controller in the environment.

What is an advantage of this of deployment?

- A. VC and PSC are local to each other.
- B. Fewer services run on the VC.
- C. Fewer services run on the PSC.
- D. VCHA is not needed.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93 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 94 Which two options ensure all ESXi servers are protected from unsigned code?
(Choose two.)

- A. VM Encryption
- B. vTPM
- C. UEFI Secure Boot
- D. TPM
- E. vSAN Encryption

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95 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 96

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>

