



2V0-621.exam.150q

2V0-621

2V0-621

VMware Certified Professional 6 – Data Center Virtualization

Score: 800/1000

Version:

Time Limit: 120 Minutes

Exam A (150 questions)

Question 1

An administrator notices that there is an all paths down (APD) event occurring for the software FCoE storage.



What is a likely cause?

- ☐ Spanning Tree Protocol is enabled on the network ports.
- ☐ Spanning Tree Protocol is disabled on the network ports.
- ☐ Spanning Tree Protocol is enabled on the storage processors.
- ☐ Spanning Tree Protocol is disabled on the storage processors.

Question 2

Which condition would cause a vCenter Server installation to fail when installing on a Windows virtual machine?

- ☐ The virtual machine does not have at least four vCPUs.
- ☐ The virtual machine is running Windows Server 2008.
- ☐ The virtual machine has an E1000 network device.
- ☐ The virtual machine does not have 16GB of RAM.

Question 3

Which two statements are true regarding iSCSI adapters? (Choose two.)

- ☐ Software iSCSI adapters require vmkernel networking.
- ☐ Independent Hardware iSCSI adapters offload processing from the ESXi host.
- ☐ Dependent Hardware iSCSI adapters do not require vmkernel networking.
- ☐ Independent Hardware iSCSI adapters require vmkernel networking.

Question 4

An administrator is using Auto Deploy to create several ESXi 6.x hosts that will be connected to a vSphere Distributed Switch. After the hosts are deployed, the administrator notices that LACP packets are not being sent between them.



Which statement best describes why this issue is occurring?

- ☐ LACP is not enabled on the vCenter Server.
- ☐ The LACP support settings do not exist in the host profile.
- ☐ The LACP installation bundle is not included in the image profile.
- ☐ LACP has not been configured on the Auto Deploy server.

Question 5

Attempting to update an ESXi 6.x host using the following command:

❖❖

```
esxcli software vib update -d update.zip
```

❖❖

Generates the following error:

❖❖

Could not download from depot at /tmp/index.xml, skipping ((' /tmp/index.xml', '[Errno 4] IOError: <urlopen error [Errno 2] No such file or directory: ' /tmp/index.xml'>')) url = /tmp/index.xml

What action should be taken to correct the problem?

- ☐ Add the full file path to the command.
- ☐ Use the update option instead of install.
- ☐ Use the switch -d instead of -v.
- ☐ Replace esxcli with esxupdate.

Question 6

Refer to the Exhibit.



An administrator reviews the Health of a virtual machine, as shown in the Exhibit.

❖

Based on the exhibit, which three metrics can be used to determine the virtual machine's Workload characteristics? (Choose three.)

- ☐ CPU
- ☐ Memory
- ☐ Network IO
- ☐ Threads
- ☐ vNUMA Stats

Question 7

The command `esxcli network vm list` displays four virtual machines connected to the Production vSwitch. Within the vSphere Web Client, five virtual machines are seen.

◆◆

What explains this behavior?

- ☐ The fifth virtual machine is currently powered off.
- ☐ The fifth virtual machine has two vnics.
- ☐ The fifth virtual machine has an invalid IP address.
- ☐ The fifth virtual machine has an invalid MAC address.

Question 8

Which two considerations should an administrator keep in mind when booting from Software Fiber Channel over Ethernet (FCoE)? (Choose two.)

- ☐ Software FCoE boot configuration can be changed from within ESXi.
- ☐ Software FCoE boot firmware cannot export information in FBFT format.
- ☐ Multipathing is not supported at pre-boot.
- ☐ Boot LUN cannot be shared with other hosts even on shared storage.

Question 9

An administrator wants to prevent a priority virtual machine that resides in a vSphere DRS cluster from migrating to other hosts in the cluster.

◆◆

What configuration step will accomplish this without affecting other virtual machines?

- ☐ Set VM Overrides to Partially Automated.
- ☐ Set VM Overrides to Manual.
- ☐ Configure a VM/Host Rule with the setting Must run on hosts in group.
- ☐ Configure a VM/Host Rule with the setting Should run on hosts in group.

Question 10

Which keystore would a vSphere Replication administrator use to manually add an additional Certificate Authority certificate?

- ☐ hms-truststore.jks
- ☐ hms-keystore.jks
- ☐ certificates.ks
- ☐ cacerts.ks

Question 11

Which three options are available for ESXi Certificate Replacement? (Choose three.)

- ☐ VMware Certificate Authority mode
- ☐ Custom Certificate Authority mode
- ☐ Thumbprint mode
- ☐ Hybrid Deployment
- ☐ VMware Certificate Endpoint Authority Mode

Question 12

Which two supported tools can be used to upgrade virtual machine hardware? (Choose two.)

- ☐ vSphere Web Client
- ☐ vSphere Update Manager
- ☐ vmware-vmupgrade.exe
- ☐ esxcli vm hardware upgrade

Question 13

An administrator observes the following symptoms for a virtual machine:

CPU usage is consistently above 90%

CPU ready value is consistently above 20%.

Application performance is impacted.

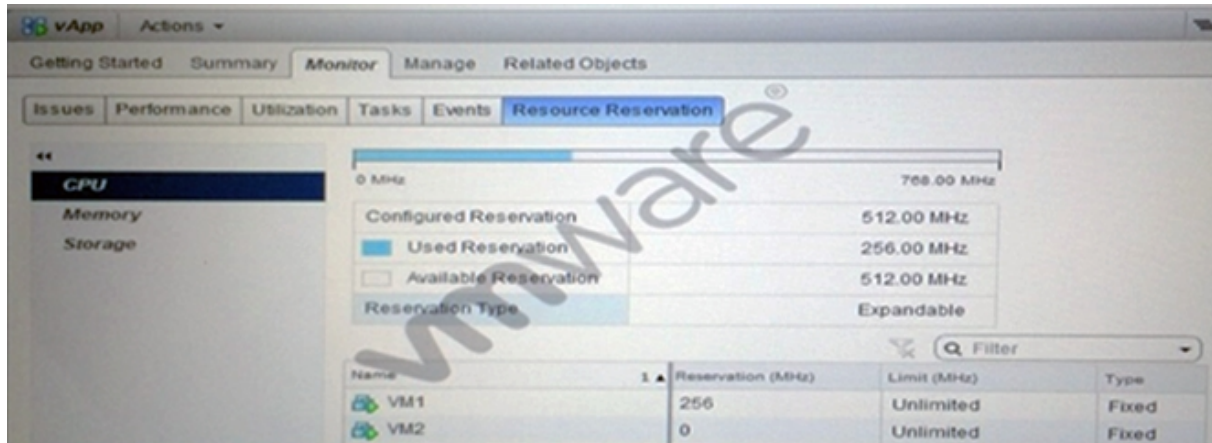
◆

Which two actions should the administrator take to improve the performance of this virtual machine? (Choose two.)

- ☐ Increase the number of vCPUs assigned to this virtual machine.
- ☐ Decrease the number of vCPUs assigned to this virtual machine.
- ☐ Verify that VMware Tools is installed on every virtual machine on the host
- ☐ Increase the CPU shares assigned to the virtual machine.

Question 14

An administrator has noticed that virtual machine VM2 in the vApp show in the Exhibit is demonstrating poor performance.



Which three changes, if performed separately, would improve the performance of VM2? (Choose three.)

- ☐ Remove the CPU limit on the vApp.
- ☐ Remove the CPU limit on the resource pool
- ☐ Increase the CPU reservation on virtual machine VM1.
- ☐ Power off virtual machine VM1.
- ☐ Increase the CPU reservation on virtual machine VM2.

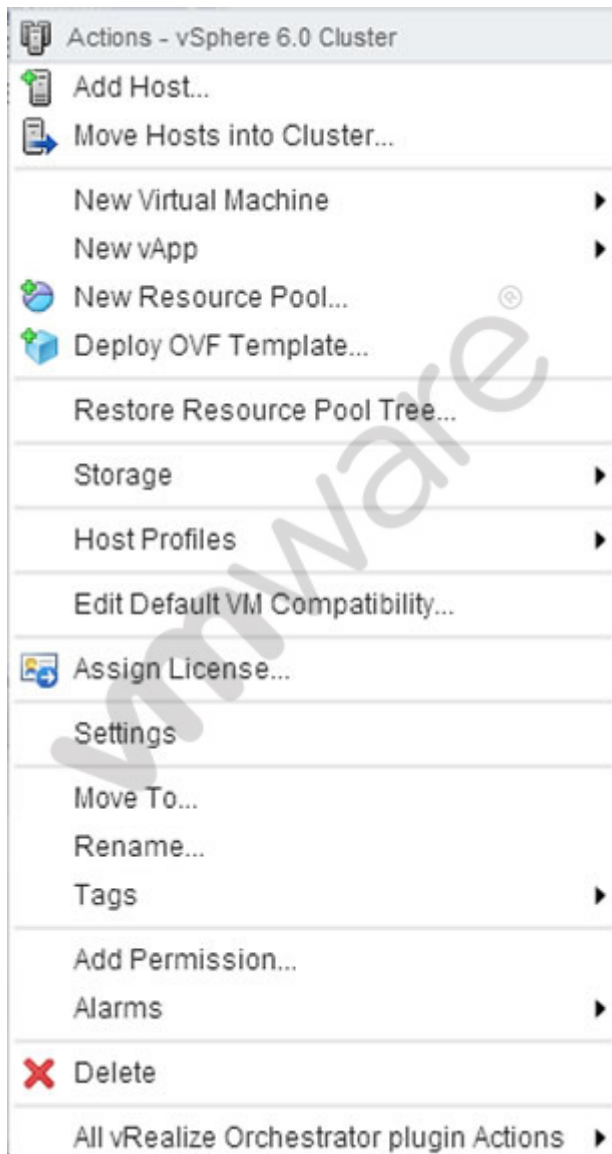
Question 15

Which two reasons would prevent Storage Distributed Resource Scheduler (SDRS) from operating on a datastore? (Choose two.)

- ☐ The datastore has Storage I/O Control disabled.
- ☐ The datastore is connected to an unsupported host.
- ☐ The datastore is hosted on an NFS server.
- ☐ The datastore is hosted on an iSCSI server.

Question 16

Refer to the Exhibit.



A vSphere 6.x environment is configured with VMware Virtual Volumes (VVOLs). An administrator accesses the cluster Actions menu, as shown in the Exhibit.

Which option is used to create a VVOL on an existing VVOL container?

- ☐ Storage
- ☐ Deploy OVF Template
- ☐ New vApp
- ☐ Settings

Question 17

An administrator runs the command `esxcli storage core device list` and sees the following output:

```
mpx.vmhba1:C0:T0:L0 Display Name: RAID 5 (mpx.vmhba1:C0:T0:L0) Has Settable Display Name:
false Size: 40960 Device Type: Direct-Access Multipath Plugin: NMP Devfs Path:
/vmfs/devices/disks/mpx.vmhba1:C0:T0:L0 Status: off Is Local: true
```



What can be determined by this output?

- ☐ The device is being used for vFlash Read Cache.
- ☐ The device is in a Permanent Device Loss (PDL) state.
- ☐ The device is a local Solid State Device (SSD).
- ☐ The device is in an All Paths Down (APD) state.

Question 18

An administrator is implementing a vSphere 6.x environment containing one vCenter and five ESXi hosts. The administrator has just finished deploying the vCenter Server appliance with an embedded Platform Services Controller (PSC) and needs to ensure that default security certificates within the vSphere 6.x environment are replaced with new certificates.

What should the administrator do to complete this task the least administrative effort?

- ☐ Replace the VMCA root certificate before adding the ESXi hosts to vCenter Server.
- ☐ Create ESXi host security certificates using the SSL Thumbprint mode to ensure consistency among all hosts.
- ☐ Add the ESXi hosts to vCenter Server before updating the VMCA root certificate on the PSC.
- ☐ Make VMCA an Intermediate Certificate Authority to ensure each added ESXi host receives the same certificate.

Question 19

An administrator would like to use a passphrase for their ESXi 6.x hosts which has these characteristics:

Minimum of 21 characters

Minimum of 2 words

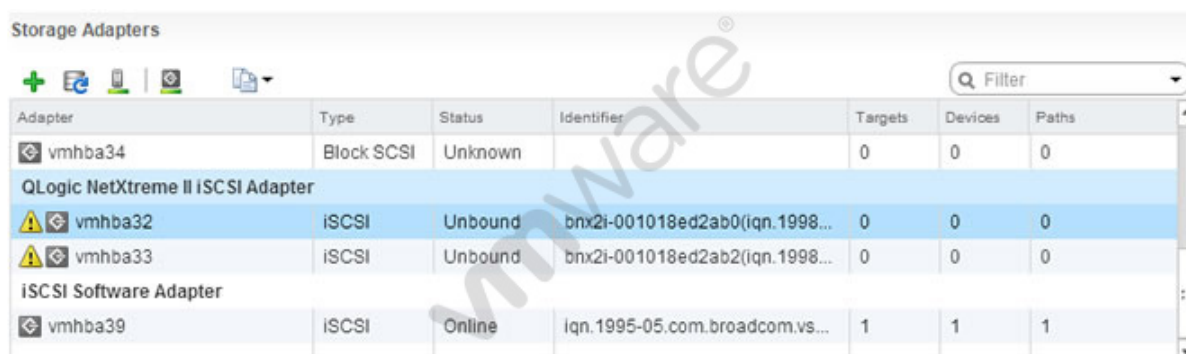


Which advanced options must be set to allow this passphrase configuration to be used?

- ☐ `retry=3 min=disabled, disabled, 7, 21, 7 passphrase=2`
- ☐ `retry=3 min=disabled, disabled, 21, 7, 7 passphrase=2`
- ☐ `retry=3 min=disabled, disabled, 2, 21, 7`
- ☐ `retry=3 min=disabled, disabled, 21, 21, 2`

Question 20

Refer to the Exhibit.



Adapter	Type	Status	Identifier	Targets	Devices	Paths
vmhba34	Block SCSI	Unknown		0	0	0
QLogic NetXtreme II iSCSI Adapter						
vmhba32	iSCSI	Unbound	bnx2i-001018ed2ab0(iqn.1998...	0	0	0
vmhba33	iSCSI	Unbound	bnx2i-001018ed2ab2(iqn.1998...	0	0	0
iSCSI Software Adapter						
vmhba39	iSCSI	Online	iqn.1995-05.com.broadcom.vs...	1	1	1

The Exhibit shows the status of vmhba32 and vmhba33 as Unbound.

What is a likely reason for this status?

- ☐ The host bus adapter is not associated with a vmknic.
- ☐ The Dynamic Target Discovery was not configured.
- ☐ The Static Target Discovery was not configured.
- ☐ The host bus adapter is not associated with a vmnic.

Question 21

Which two statements are correct regarding vSphere certificates? (Choose two.)

- ☐ ESXi host upgrades do not preserve the SSL certificate and reissue one from the VMware Certificate Authority (VMCA).
- ☐ ESXi host upgrades preserve the existing SSL certificate.
- ☐ ESXi hosts have assigned SSL certificates from the VMware Certificate Authority (VMCA) during install.
- ☐ ESXi hosts have self-signed SSL certificates by default.

Question 22

An administrator has recently audited the environment and found numerous virtual machines with sensitive data written to the configuration files.

◆◆

To prevent this in the future, which advanced parameter should be applied to the virtual machines?

- ☐ isolation.tools.setinfo.disable = true
- ☐ isolation.tools.setinfo.enable = true
- ☐ isolation.tools.setinfo.disable = false
- ☐ isolation.tools.setinfo.enable = false

Question 23

An administrator wants to select a Host Power Management Policy for an ESXi 6.x host that will disable most hardware power management features.

◆◆

Which Host Power Management Policy should be selected to meet this requirement?

- ☐ High Performance
- ☐ Balanced
- ☐ Low Power
- ☐ Disabled

Question 24

An administrator needs to migrate a very large virtual machine to vCloud Air from a branch office.

Which two components can be used to meet this requirement? (Choose two)

- ☐ Offline Data Transfer
- ☐ vCloud Air Disaster Recovery
- ☐ Data Center Extensions
- ☐ vCloud Connector

Question 25

An administrator is configuring the clock tolerance for the Single Sign-On token configuration policy and wants to define the time skew tolerance between a client and the domain controller clock.

◆◆

Which time measurement is used for the value?

- ☐ Milliseconds
- ☐ Seconds
- ☐ Minutes
- ☐ Hours

Question 26

After deploying a vSphere Platform Services Controller (PSC), an administrator is unable to install vCenter Server. The error displayed is:

Could not contact Lookup Service. Please check VM_ssoreg.log.

Which two actions can be taken to correct this problem? (Choose two.)

- ☐ Verify that the clocks on the host machines running the PSC, vCenter Server, and the vSphere Web Client are synchronized.
- ☐ Configure a valid Identity Source for the Platform Services Controller in the vSphere Web Client.
- ☐ Ensure that there is no firewall blocking port 7444 between the PSC and vCenter Server.
- ☐ Uninstall and reinstall the Platform Services Controller software.

Question 27

An administrator notices that 8 out of 10 virtual machines have memory ballooning and swapping. However, virtual machine 9 is not ballooning or swapping and virtual machine 10 is not ballooning but is swapping.

◆

Which two statements explain the behavior of virtual machine 9 and virtual machine 10? (Choose two.)

- ☐ Virtual machine 9 has a 100% memory reservation.
- ☐ Virtual machine 10 has a memory limit configured.
- ☐ Virtual machine 9 has memory shares set to HIGH.
- ☐ Virtual machine 10 does not have VMware Tools enabled or installed.

Question 28

A user notifies an administrator that Content Libraries are not visible.

◆◆

What is a possible solution?

- ☐ Assign the user the read-only role at the global permission level.
- ☐ Assign the user the read-only role at the vCenter Server root level.
- ☐ Assign the user the read-only role at the vCenter Server data center level.
- ☐ Assign the user the read-only role at the vCenter Server cluster level.

Question 29

When attempting to remove a host from a vSphere Distributed Switch (vDS), an administrator observes the error message:

The resource '16' is in use

What are two reasons why this error would be displayed? (Choose two.)

- ☐ VMkernel network adapters on the vDS are in use.
- ☐ Virtual machine network adapters are connected to the vDS.
- ☐ Network I/O Control has been configured on the vDS.
- ☐ There is active network traffic on the vDS.

Question 30

Where is a Virtual SAN Fault Domain configured?

- ☐ VMware Virtual SAN Cluster configuration
- ☐ VMware High Availability Cluster configuration
- ☐ Distributed Resource Scheduler configuration
- ☐ Datacenter Advanced Settings configuration

Question 31

Which two tasks does the Pluggable Storage Architecture (PSA) perform? (Choose two.)

- ☐ Handles I/O queueing to the logical devices.
- ☐ Handles physical path discovery, but is not involved in the removal.
- ☐ Handles physical path discovery and removal.
- ☐ Handles I/O queueing to FC storage HBAs.

Question 32

An administrator has been instructed to secure existing virtual machines in vCenter Server

Which two actions should the administrator take to secure these virtual machines? (Choose two.)

- ☐ Disable native remote management services
- ☐ Restrict Remote Console access
- ☐ Use Independent Non-Persistent virtual disks
- ☐ Prevent use of Independent Non-Persistent virtual disks

Question 33

An administrator plans to use VMware Converter Standalone to convert a virtual machine to a vSphere environment. The source virtual machine has these properties:

Running Windows 2008 R2

Contains one NTFS formatted volume

◆

During conversion, how many virtual disks can the administrator add to the destination virtual machine?

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3

Question 34

An administrator is observing slow performance of the vCenter Inventory Service and observes the entries from the wrapper.log file:

◆

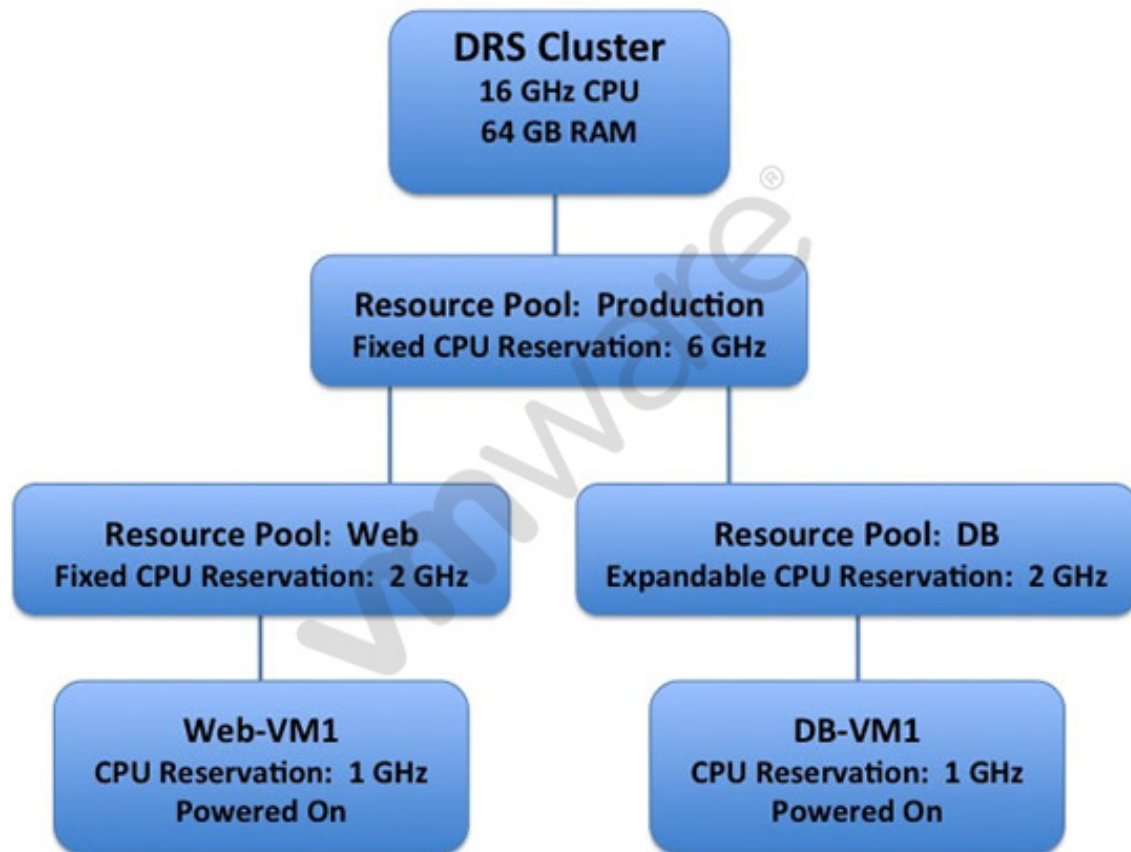
Exception in thread "tomcat-exec-2" java.lang.OutOfMemoryError: Java heap spaceException in thread "http-bio-0.0.0.0-10443-Acceptor-0" java.lang.OutOfMemoryError: Java heap space

What should the administrator do to resolve the problem?

- ☐ Increase the memory resources of the vCenter Server.
- ☐ Increase the values using cloudvm-ram-size.
- ☐ Increase the memory resources of the Platform Services Controller.
- ☐ Increase the wrapper.java.maxmemory value in wrapper.conf

Question 35

Refer to the Exhibit.



A vSphere 6.x DRS cluster is configured as shown in the Exhibit.

Based on the exhibit, which statement is true?

- ☐ A virtual machine can be powered on in the Web Resource Pool with a 3 GHz CPU Reservation.
- ☐ A virtual machine can be powered on in the Web Resource Pool with a 4 GHz CPU Reservation.
- ☐ A virtual machine can be powered on in the DB Resource Pool with a 3 GHz CPU Reservation.
- ☐ A virtual machine can be powered on in the DB Resource Pool with a 4 GHz CPU Reservation.

Question 36

Which two options are available in the Virtual Machine Component Protection (VMCP) setting for Datastore with All Paths Down (APD)? (Choose two.)

- ☐ Issue Events
- ☐ Power off and restart virtual machines
- ☐ Reset virtual machines
- ☐ Leave Powered On

Question 37

During a vCenter Server upgrade, an ESXi 6.x host in a High Availability (HA) cluster fails.

Which statement is true?

- ☐ HA will fail the virtual machines over to an available host during the vCenter Server upgrade process.
- ☐ HA is unavailable during the vCenter Server upgrade process.
- ☐ HA will fail the virtual machines over to an available host after the vCenter Server upgrade completes.
- ☐ HA will successfully vMotion the virtual machines during the host failure.

Question 38

A failed upgrade from vCenter Server version 5.x to version 6.0 produces the following error:

[00800 error 'Default'] Database version id '600' is incompatible with this release of VirtualCenter.

What is the cause of the upgrade failure?

- ☐ There was a database schema upgrade failure during the installation.
- ☐ The VMWAREVCMSDS service was upgraded before the vCenter Server service.
- ☐ The VMware Directory Service database failed during the installation.
- ☐ There was an incompatible ODBC driver version for the database.

Question 39

An administrator wants to monitor virtual machines on a host and send notifications when memory usage reaches 80%.



What should the administrator create in vCenter Server◆to accomplish this?

- ☐ A host alarm that will monitor◆virtual machine◆memory usage and set a trigger to email the notification.
- ☐ A◆vCenter Server alarm that will monitor◆virtual machine memory usage and set an action to email the notification.
- ☐ A host alarm that will monitor◆virtual machine memory usage and set an action to email the notification.
- ☐ A vCenter Server alarm that will monitor◆virtual machine memory usage and set a trigger to email the notification.

Question 40

An administrator is concerned about possible vCPU◆over-commitment for an ESXi◆6.x◆host.



Which two Performance Counters should be reviewed in the vSphere Web Client Performance◆Charts◆to confirm if there is contention on the host? (Choose two.)

- ☐ Wait
- ☐ Ready
- ☐ Core Utilization
- ☐ Co-Stop

Question 41

An administrator◆wants to power on a virtual machine◆(VM)◆while◆connected to an ESXi host◆using◆SSH. The VM has the following Name and ID: ◆

VM Name = SQL001

VMID = 12345



Which command would successfully power◆on the◆virtual machine?

- ☐ vim-cmd vmtoolsd/power.on 12345
- ☐ vim-cmd vmtoolsd/power.on SQL001
- ☐ vmware-vim-cmd vmtoolsd/power.on 12345
- ☐ vmware-vim-cmd vmtoolsd/power.on SQL001

Question 42

Refer to the Exhibit.

Rule-Set 1

Select rules to create your VM storage policy.

- The VM storage policy will match datastores that satisfy any of the rule sets.
- A rule set will match datastores that satisfy all of the selected rules.

Rules based on common capabilities

<Add capability>

Rules based on vendor-specific capabilities VSAN

Number of failures to tolerate

Number of disk stripes per object

<Add capability>

Rules based on tags

Add tag-based rule...

Storage Consumption Model

A virtual disk with size 100 GB would consume:

Storage space 300.00 GB

Initially reserved storage space 0.00 B

Reserved flash space 0.00 B

A Storage Policy for a Virtual SAN is set to the default policy, as shown in the Exhibit.

Which change would reduce the storage consumption by one third?

- ☐ Number of failures to tolerate = 1
- ☐ Number of disk stripes per object = 2
- ☐ Number of failures to tolerate = 3
- ☐ Number of disk stripes per object = 1

Question 43

Which three connection types are supported between a remote site and vCloud Air? (Choose three.)

- ☐ Secure Internet Connectivity
- ☐ Private Connect
- ☐ Direct Connect
- ☐ Internet Connectivity
- ☐ Secure VPN

Question 44

Users are reporting CPU related performance problems on the virtual machine Email-Prod throughout the day.



The resource settings for the VM and the ESXi host the VM is running on are shown below:



VM:

Email-Prod

vCPUs: 4

Memory: 96GB



ESXi host:

CPU: 2 x 8 Core Processors

Memory: 128GB

NUMA architecture. 2 Nodes



Which two options would alleviate the observed performance problem for Email-Prod? (Choose two.)

- ☐ Enable the advanced parameter Numa.PageMigEnable.
- ☐ Enable the advanced parameter Numa.AutoMemAffinity.
- ☐ Enable CPU affinity to separate 2 vCPUs for each NUMA node.
- ☐ Enable CPU affinity to bind all vCPUs to one NUMA node.

Question 45

Refer to the Exhibit.

To provide access to a service or client, check the corresponding box.

By default, daemons will start automatically when any of their ports are opened, and stop when all of their ports are closed.

Name	Incoming Ports	Outgoing Ports	Protocols	Daemon
Required Services				
Secure Shell				
☐ SSH Client		22	TCP	N/A
☒ SSH Server	22		TCP	N/A
Simple Network Man...				
Ungrouped				

Service Details	N/A
Status	N/A
Allowed IP Addresses	Connections not allowed from all IP address
IP Addresses	☐ Allow connections from any IP address 192.168.1.0/24,192.168.2.220 Enter a comma-separated list of IP addresses. E.g.: 111.111.111.111, 111.111.111/22

An administrator has configured a firewall rule as shown in the Exhibit.

Which statement best describes the ESXi 6.x firewall rule?

- ☐ Connections from the ESXi host to all devices on the 192.168.1.0 network and 192.168.2.220 on port 22 are allowed.
- ☐ Connections coming from IP addresses from the 192.168.1.0 network and 192.168.2.220 on port 22 are allowed.
- ☐ TCP Connections coming from IP addresses from the 192.168.1.0 network and 192.168.2.220 on port 22 are not allowed.
- ☐ TCP Connections from the ESXi host to all devices on the 192.168.1.0 network and 192.168.2.220 on port 22 are not allowed.

Question 46

What three supported methods can be used to upgrade a host from ESXi 5.x to ESXi 6.x? (Choose three.)

- ☐ vSphere Update Manager
- ☐ vihostupdate
- ☐ esxcli
- ☐ vSphere Auto Deploy
- ☐ esxupdate

Question 47

Which two are valid Identity Sources when configuring vCenter Single Sign-On? (Choose two.)

- ☐ Radius
- ☐ NIS
- ☐ OpenLDAP
- ☐ LocalOS

Question 48

A device's vStorage API for Array Integration (VAAI) support status command line output shows:

◆◆

naa.500253825002a865 VAAI Plugin Name: ATS Status: unsupported Clone Status: unsupported Zero Status: supported Delete Status: unsupported

◆◆

What is the corresponding VAAI support status in the vSphere Web Client?

- ☐ Unknown
- ☐ Supported
- ☐ Not supported
- ☐ Unsupported

Question 49

Which two settings are required for Virtual Machine Component Protection (VMCP) to protect from All Paths Down (APD) and Permanent Device Loss (PDL)? (Choose two.)

- ☐ Host Monitoring
- ☐ VM Restart Priority
- ☐ Virtual machine Monitoring
- ☐ Response for Host Isolation

Question 50

An administrator needs to migrate a legacy physical application server to a virtual machine within a vSphere 6 cluster. As part of the conversion, the administrator must reduce the size of the virtual disks.

What action should the administrator take to create a virtual machine with smaller virtual disks than the original physical server?

- ☐ Shut down the physical server and use VMware Converter cold cloning with volume-based cloning at the disk level.
- ☐ Use VMware Converter hot cloning with volume-based cloning at the block level.
- ☐ Shut down the physical server and use VMware Converter cold cloning with volume-based cloning at the file level.
- ☐ Use VMware Converter hot cloning with volume-based cloning at the file level.

Question 51

Refer to the Exhibit.

Identity source type:

☐ Active Directory (Integrated Windows Authentication)
☒ Active Directory as a LDAP Server
☐ Open LDAP
☐ Local OS

Identity source settings

Name:

Base DN for users:

Domain name:

Domain alias:

Base DN for groups:

Primary server URL:

Secondary server URL:

Username:

Password:

An administrator is adding an Active Directory over LDAP Identity Source for vCenter Single Sign-On, as indicated in the Exhibit.

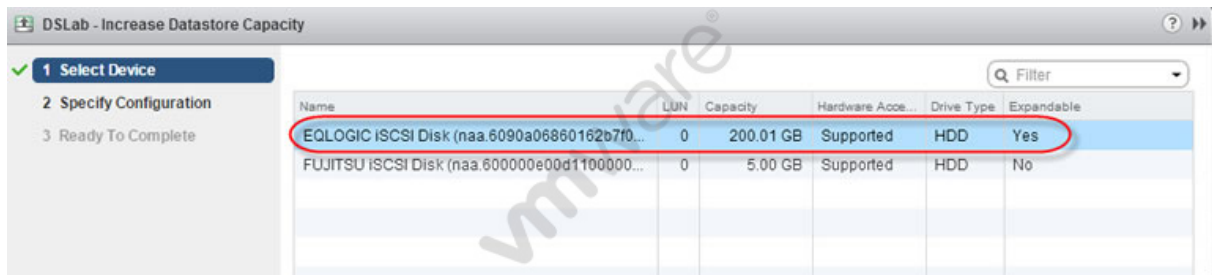


What is the correct value to configure for the Domain alias?

- ☐ The domain's NetBIOS name.
- ☐ The fully qualified domain name.
- ☐ vsphere.local
- ☐ A user defined label.

Question 52

Refer to the Exhibit.



What will be the result of selecting the highlighted device?

- ☐ Datastore will grow up to 200.01GB using the remaining free space on the device.
- ☐ Datastore will add 200.01GB by adding the device as a second extent.
- ☐ The device size can be expanded to be larger than 200.01 GB in size.
- ☐ The device is not suitable for this operation.

Question 53

When importing an existing SSL certificate into vSphere Replication Server, which file format is required?

- ☐ PKCS#12
- ☐ DER
- ☐ PEM
- ☐ PKCS#7

Question 54

Which three are requirements for configuring Storage I/O Control (SIOC)? (Choose three.)

- ☐ The datastore must consist of only one extent.
- ☐ The datastore is managed by a single vCenter Server.
- ☐ Auto-tiered storage must be compatible with SIOC.
- ☐ Auto-tiered storage must be SSD or SATA.
- ☐ The datastore must be VMFS.

Question 55

Refer to the Exhibit.

```

5:43:32pm up 46 days 1:17, 500 worlds, 2 VMs, 2 vCPUs: CPU load average: 0.15, 0.26, 0.41
PCPU USED(%): 2.8 4.5 4.3 99 AVG: 27
PCPU UTIL(%): 3.0 4.7 4.4 100 AVG: 28

```

ID	GID	NAME	NWLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVLDP	%CSTP	%MLMTD	%SWPWT
20654089	20654089	FastVM	7	102.97	102.83	0.00	616.19	0.00	0.05	0.00	0.05	0.00	0.00	0.00
20654060	20654060	SlowVM	7	4.97	4.97	0.00	616.11	0.00	97.99	0.00	0.00	0.00	97.86	0.00

Examine the `esxtop` command output shown in the Exhibit.

Which option would improve application performance for the SlowVM virtual machine?

- ☐ Increase the number of vCPUs provided to SlowVM.
- ☐ Decrease the number of vCPUs provided to SlowVM.
- ☐ Move SlowVM to another ESXi host with more physical CPU resources available.
- ☐ Increase the CPU limit assigned to SlowVM.

Question 56

When a Content Library is deleted, what happens to the files contained on the backing storage?

- ☐ The files will be unchanged.
- ☐ The files will be deleted.
- ☐ The files will remain and be marked as orphaned.
- ☐ The containing folder will be marked as orphaned.

Question 57

An administrator would like to use the VMware Certificate Authority (VMCA) as an Intermediate Certificate Authority (CA). The first two steps performed are:

Replace the Root Certificate

Replace Machine Certificates (Intermediate CA)

◆

Which two steps would need to be performed next? (Choose two.)

- ☐ Replace Solution User Certificates (Intermediate CA)
- ☐ Replace the VMware Directory Service Certificate (Intermediate CA)
- ☐ Replace the VMware Directory Service Certificate
- ☐ Replace Solution User Certificates

Question 58

An administrator is troubleshooting a virtual machine that has unexpectedly powered off
◆◆

Which two logs should be used to troubleshoot the issue? (Choose two.)

- ☐ vmware.log
- ☐ hostd.log
- ☐ syslog.log
- ☐ shell.log

Question 59

What are two limitations of Link Aggregation Control Protocol (LACP) on a vSphere Distributed Switch? (Choose two.)

- ☐ IP Hash load balancing is not a supported Teaming Policy.
- ☐ Software iSCSI multipathing is not compatible.
- ☐ Link Status Network failover detection must be disabled.
- ☐ It does not support configuration through Host Profiles.

Question 60

An administrator is troubleshooting a CPU issue for a virtual machine. The following is seen in esxtop:

CPU0 is at 100% usage

The remaining logical CPUs are close to 0%

%RDY value is consistently above 10%

◆

What is likely the cause of the CPU issue?

- ☐ The virtual machine has a CPU limit configured.
- ☐ The virtual machine's guest operating system is configured for SMP
- ☐ The virtual machine has CPU affinity configured.
- ☐ The virtual machine is configured with a CPU reservation.

Question 61

An administrator wants to upgrade to vCenter Server 6.x. ♦



The vCenter Server:

Is hosted on a virtual machine ♦ server running Microsoft Windows Server 2008 R2, with 8 vCPUs and 16GB RAM.

Will have an embedded Platform Services Controller.

Hosts a Large Environment with 1,000 ESXi hosts and 10,000 Virtual Machines.



Why does the vCenter Server not meet the minimum requirements?

- ☐ Windows Server 2008 R2 is not a supported Operating System for vCenter Server.
- ☐ The ♦ virtual machine has insufficient resources for the environment size.
- ☐ The environment is too large to be managed by a single vCenter Server.
- ☐ The Platform Services Controller must be changed to an External deployment.

Question 62

An administrator ♦ wants to set a non-default isolation address of 192.168.1.2 for High Availability



Which advanced setting would accomplish this task?

- ☐ Das.isolationaddress0=192.168.1.2
- ☐ Das.useisolationaddress0=192.168.1.2
- ☐ Das.defaultisolationaddress0=192.168.1.2
- ☐ Das.haisolationaddress0=192.168.1.2

Question 63

An administrator is building a large virtual machine that will require as many vCPUs as the host can support. An ESXi 6.x host has these specifications:

Four 24-core Intel Xeon Processors

256 GB of Memory

512 GB Local disk space using VMFS5

What is the maximum number of virtual CPUs that the virtual machine can be allocated?

- ☐ 64
- ☐ 96
- ☐ 128
- ☐ 192

Question 64

An administrator tries to run `esxtop` to troubleshoot CPU performance issues, but no output is displayed.

◆◆

How can the issue be resolved?

- ☐ `esxtop` is deprecated in vSphere 6.x, `resxtop` must be used to produce the desired output.
- ☐ In `esxtop`, press `f` and place an asterisk next to each field that should be displayed.
- ☐ `sudo` should be run in front of `esxtop` to give the administrator the proper permissions.
- ☐ The `esxtop` command must be run from the `/proc` directory to produce output.

Question 65

An administrator is deploying ESXi 6.x hosts using Auto Deploy and wants the image profile to be available, even after closing and opening a new PowerCLI window.

◆◆

Which command can be used to ensure that image profiles are preserved across PowerCLI sessions?

- ☐ `Set-EsxImageProfile`
- ☐ `Export-EsxImageProfile`
- ☐ `Save-EsxImageProfile`
- ☐ `Preserve-EsxImageProfile`

Question 66

An administrator is unable to patch an ESXi 6.x host using VMware Update Manager

◆

What is an alternative option for patching a host?

- ☐ Upload the offline bundle to a datastore and execute the command `esxcli software vib install -d` to apply it manually.
- ☐ Upload the vib to a datastore and execute the command `esxcli software vib install -d` to apply it manually.
- ☐ Upload the offline bundle to a datastore and execute the command `esxupdate install -v` to apply it manually.
- ☐ Upload the vib to a datastore and execute the command `esxupdate install -v` to apply it manually.

Question 67

An administrator subscribes to the vCloud Air Disaster Recovery service.



◆ Which replicated objects can be directly monitored and managed?

- ☐ Virtual machine Snapshots
- ☐ vApps
- ☐ Virtual machines
- ☐ ESXi Hosts

Question 68

An administrator notices that a Windows virtual machine◆ is using 95% CPU in Task Manager



◆◆ Which two actions should be taken to resolve this issue? (Choose two.)

- ☐ Increase the memory reservation of the virtual machine.
- ☐ Increase the CPU Shares on the resource pool where the◆ virtual machine◆ resides.
- ☐ Decrease the CPU reservation of the virtual machine.
- ☐ Increase the CPU limit on the resource pool where the◆ virtual machine◆ resides.

Question 69

Which three logs can be reviewed to troubleshoot a vCenter◆ Server◆ upgrade failure? (Choose three.)

- ☐ vminst.log
- ☐ vim-vcs-msi.log
- ☐ pkgmgr.log
- ☐ vc-upgrade.log
- ☐ firstboot.log

Question 70

Which Platform Service Controller Password Policy determines the number of days a password can exist before the user must change it?

- ☐ Maximum Lifetime
- ☐ Password◆ Age
- ☐ Maximum Days
- ☐ Password Lifetime

Question 71

An administrator is troubleshooting a performance problem with a virtual machine (VM). The VM and ESXi host configuration is as follows:

The application which runs within the virtual machine is highly sensitive to memory latency, but has low processor utilization.

The virtual machine has 6 vCPUs.

The ESXi host CPU topology has 2 Physical CPU Sockets, each with 8 Logical CPUs.

The ESXi host CPU has Hyper Threading enabled.

◆◆

The administrator would like to improve CPU performance for this VM. Other VMs on the host have no performance issues. Which action should the administrator take to resolve the issue?

- ☐ Set the Advanced Parameter numa.vcpu.preferHT = TRUE in the virtual machine configuration file.
- ☐ Set the Advanced Parameter numa.vcpu.preferHT = FALSE in the virtual machine configuration file.
- ☐ Set the Advanced Parameter numa.PreferHT = 1 in the ESXi host configuration file.
- ☐ Set the Advanced Parameter numa.PreferHT = 0 in the ESXi host configuration file.

Question 72

What is the name of the command line utility that checks for VMFS5 metadata corruption?

- ☐ vmkfstools --check
- ☐ voma
- ☐ vmfsanalyzer
- ☐ esxcli vmfs check

Question 73

What is the command to list multipathing modules on an ESXi 6.x host?

- ☐ esxcli storage core list plugin --plugin-class=MP
- ☐ esxcli storage core list plugin --class-plugin=MP
- ☐ esxcli storage core plugin list --plugin-class=MP
- ☐ esxcli storage core plugin list --class-plugin=MP

Question 74

Refer to the Exhibit.

Device Details	
Properties	Paths
Owner	NMP
Partition Details	
Partition Format	GPT
▶ Primary Partitions	1
▶ Logical Partitions	0
Multipathing Policies	
▶ Path Selection Policy	Fixed (VMware)
Storage Array Type Policy	VMW_SATP_EQL

An administrator wishes to provide Load Balanced I/O for the device shown in the Exhibit.



To meet this requirement, which setting should be changed?

- ☐ Storage Array Type Policy = VMW_NMP_RR
- ☐ Path Selection Policy = Round Robin (VMware)
- ☐ Storage Array Type Policy = VMW_SATP_RR
- ☐ Path Selection Policy = MRU (VMware)

Question 75

Which VMware Single Sign-On component issues Security Assertion Markup Language (SAML) tokens?

- ☐ VMware Security Token Service
- ☐ Administration Server
- ☐ VMware Directory Service
- ☐ Identity Management Service

Question 76

Refer to the Exhibit.

```
6:43:19pm up 46 days 2:17, 502 worlds, 2 VMs, 8 vCPUs: CPU load average: 1.37, 1.35, 1.35
PCPU USED(%): 99 99 100 99 AVG: 99
PCPU UTIL(%): 99 99 99 99 AVG: 99
```

ID	GID	NAME	NRMLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVLDP	%CSTP	%MLMTD	%SWPWT
20672602	20672602	SlowVM	10	202.81	203.52	0.00	589.96	0.00	163.60	0.00	0.73	61.73	0.00	0.00
20673003	20673003	TestVM	10	199.49	200.02	0.00	599.95	0.07	164.35	0.00	0.66	54.68	0.00	0.00

An administrator is troubleshooting a CPU performance related problem for the SlowVM virtual machine.

Which three actions should the administrator take to improve CPU performance for SlowVM? (Choose three.)

- ☐ Increase the number of vCPUs assigned to SlowVM.
- ☐ Decrease the number of vCPUs assigned to SlowVM.
- ☐ Power off other VMs running on the same ESXi host.
- ☐ Increase the CPU limit for SlowVM.
- ☐ Move SlowVM to another ESXi host with more physical CPU resources available.

Question 77

Refer to the Exhibit.

```
[root@ds-lab-vsant12:~] esxcli storage nmp psp roundrobin deviceconfig set --useano=0 -d naa.600000e00d11000000111cd2000f0000
```

An administrator is configuring a storage device as shown in the Exhibit.

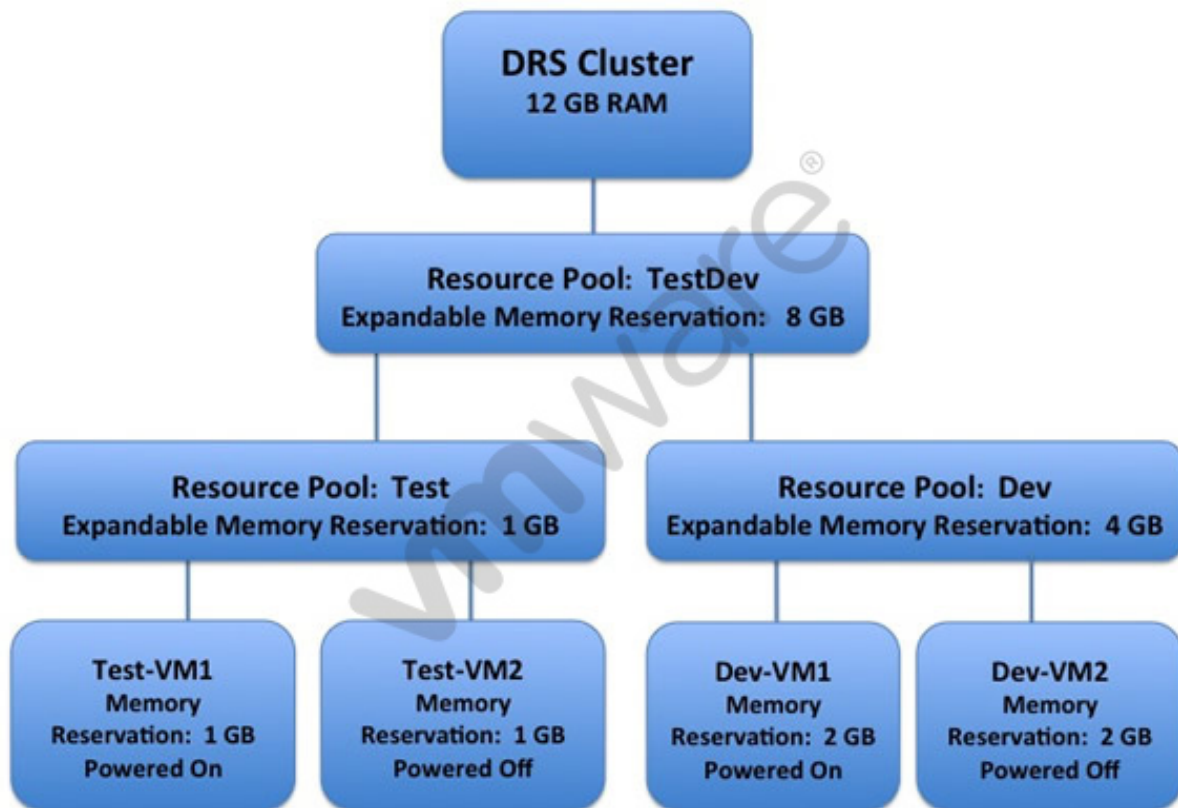
◆

What is the expected effect on the stated device after running the command?

- ☐ I/O will rotate on all storage targets regardless of port group state.
- ☐ I/O will rotate on all storage targets that are Active Optimized state only.
- ☐ I/O will rotate on all storage targets that are Active Unoptimized state only.
- ☐ I/O will rotate on all storage targets that are on Available Nodes only.

Question 78

Refer to the Exhibit.



An administrator has configured a vSphere 6.x DRS cluster as shown in the Exhibit.

Based on the exhibit, which statement is true?

- ☐ A virtual machine can be powered on in the Test Resource Pool with a 6 GB Memory Reservation.
- ☐ A virtual machine can be powered on in the Dev Resource Pool with a 8 GB Memory Reservation.
- ☐ A virtual machine from both the Test Resource Pool and the Dev Resource Pool can be powered on with a 4 GB Memory Reservation.
- ☐ No more virtual machines can be powered on due to insufficient resources.

Question 79

Which two solutions require Physical Mode Raw Device Mapping (RDM)? (Choose two.)

- ☐ Direct access to the storage array device
- ☐ Virtual Machine Snapshots
- ☐ Hardware Acceleration
- ☐ Guest Clustering across ESXi hosts

Question 80

A vSphere Web Client task fails while creating a VMFS datastore on a disk with these characteristics:

The disk was formatted with a Master Boot Record (MBR) partition table

The disk was not erased

The disk is visible in the vSphere Web Client

What action needs to be performed to resolve the issue?

- ☐ Delete the partitions manually with partedUtil.
- ☐ Create a VMFS3 file system first, then upgrade it.
- ☐ Create a VMFS5 file system with the command `esxcli storage filesystem add`
- ☐ Delete the data with the `vmkfstools` command.

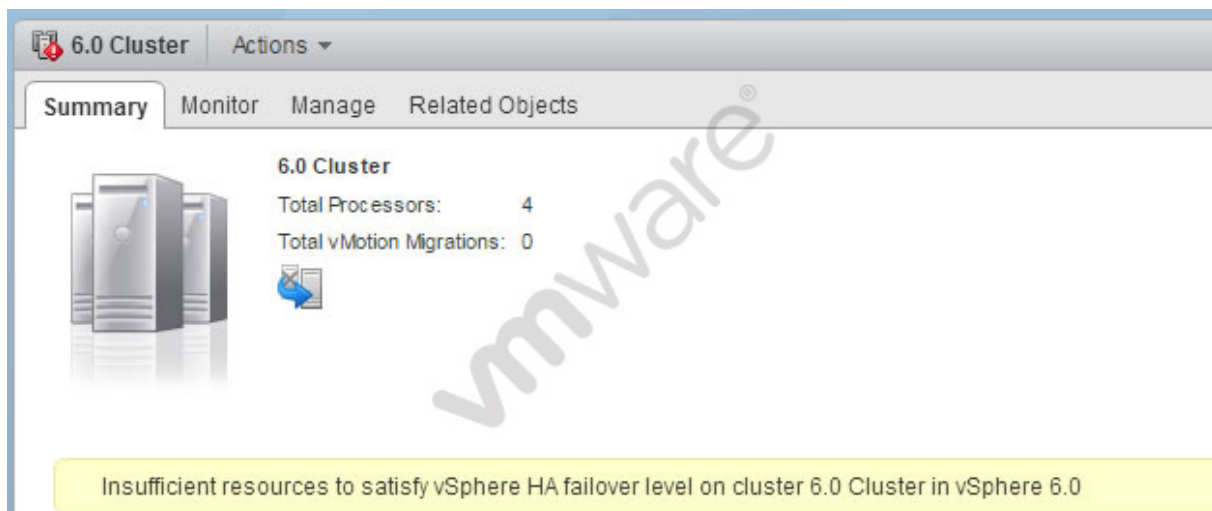
Question 81

Which file determines the location of the installation script during a scripted upgrade?

- ☐ boot.cfg
- ☐ ks.cfg
- ☐ script.cfg
- ☐ upgrade.cfg

Question 82

Refer to the Exhibit.



An administrator receives an error on a vSphere cluster as shown in the Exhibit.



Based on the exhibit, which three configuration changes can resolve the error? (Choose three.)

- ☐ Change the Admission Control policy for the cluster.
- ☐ Adjust CPU and Memory reservations of the virtual machines.
- ☐ Increase the amount of failover resources in the cluster.
- ☐ Reconfigure the ESXi host cluster for High Availability.
- ☐ Disable Virtual Machine Monitoring.

Question 83

What is the maximum number of snapshot instances in vSphere Replication that can be configured to recover a virtual machine at a specific point in time?

- ☐ 16
- ☐ 24
- ☐ 48
- ☐ 72

Question 84

What are two use cases for Fibre Channel Zoning in a vSphere environment? (Choose two.)

- ☐ Increases the number of targets presented to an ESXi host.
- ☐ Controls and isolates paths in a fabric.
- ☐ Controls and isolates paths to an NFS share.
- ☐ Can be used to separate different environments.

Question 85

Which two identification sources can a vSphere Auto Deploy rule use to identify target hosts?
(Choose two.)

- ☐ Processor Serial Number
- ☐ Security Identifier
- ☐ SMBIOS information
- ☐ BIOS UUID

Question 86

An administrator is writing a kickstart script to upgrade an ESXi 6.x host.

◆◆

In which three locations can the script reside? (Choose three.)

- ☐ NFS
- ☐ USB
- ☐ HTTP
- ☐ TFTP
- ☐ PXE

Question 87

An administrator is unable to start the vCenter Server service. The vpxd.log file shows this service failure:

◆◆

[13308 error 'Default' opID=622892-371bf717] CoreDump: Unable to write minidump [13308 error 'Default' opID=622892-371bf717] error -2147024784 : There is not enough space on the disk.

◆

What is preventing the start of the service?

- ☐ Insufficient space on the vCenter Server
- ☐ Insufficient space on the Database Server
- ☐ Insufficient space on the VMFS volume
- ☐ Insufficient space on the ESXi ramdisk

Question 88

An administrator is troubleshooting network communications between the vCenter Server and the ESXi 6.x host.

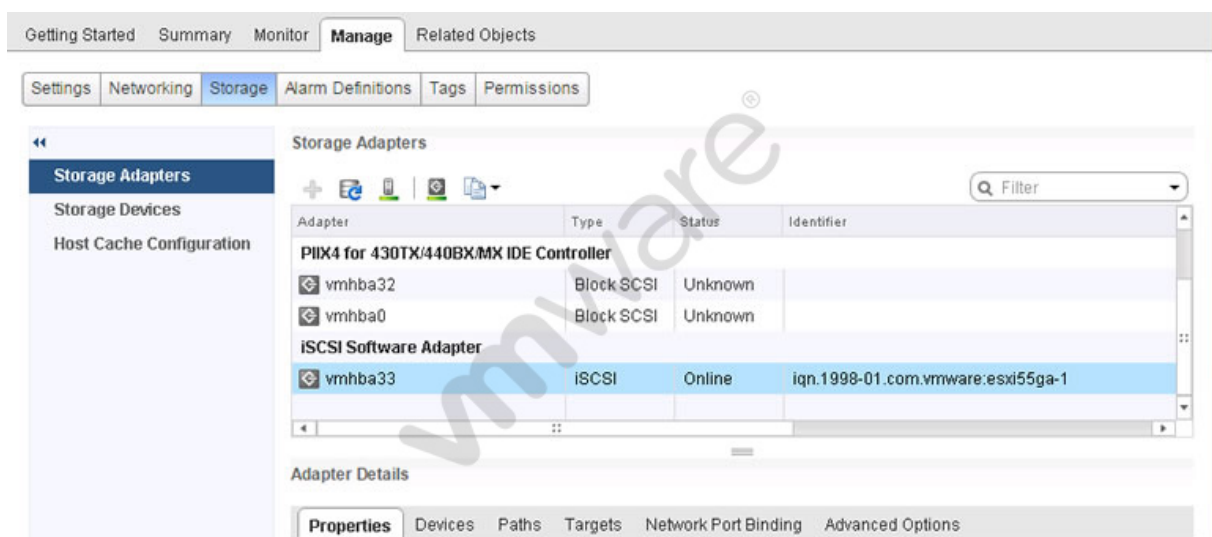


Which log shows the interaction events between these components?

- ☐ /var/log/syslog.log
- ☐ /var/log/hostd.log
- ☐ /var/log/vpxa.log
- ☐ /var/log/fdm.log

Question 89

Refer to the Exhibit.



An administrator would like to add Challenge Handshake Authentication Protocol (CHAP) to an iSCSI adapter. The administrator accesses the Storage Adapters menu as shown in the Exhibit

In which tab can the task be accomplished?

- ☐ Properties
- ☐ Advanced Options
- ☐ Targets
- ☐ Devices

Question 90

An administrator is configuring resource pools for a vSphere 6.x cluster. The cluster has these characteristics:

Five ESXi 6.x hosts
Six cores per host
70 virtual machines with 1 vCPU each

The administrator configures three resource pools and places the virtual machines into the pools, as follows:

Production pool – High Share value with 40 virtual machines
Infrastructure pool – Medium Share value with 20 virtual machines
Development pool – Low Share value with 10 virtual machines

Given this configuration, what is the expected performance for each group of virtual machines during contention?

- ☐ Virtual machines in the Production pool will perform two times as well as those in the Infrastructure pool.
- ☐ Virtual machines in the infrastructure pool will perform four times as well as those in the Development pool.
- ☐ Virtual machines in all resource pools will perform equally.
- ☐ Virtual machines in the Development pool will perform two times as well as those in the Infrastructure pool.

Question 91

A task fails while creating a VMFS5 datastore on a disk with these characteristics:

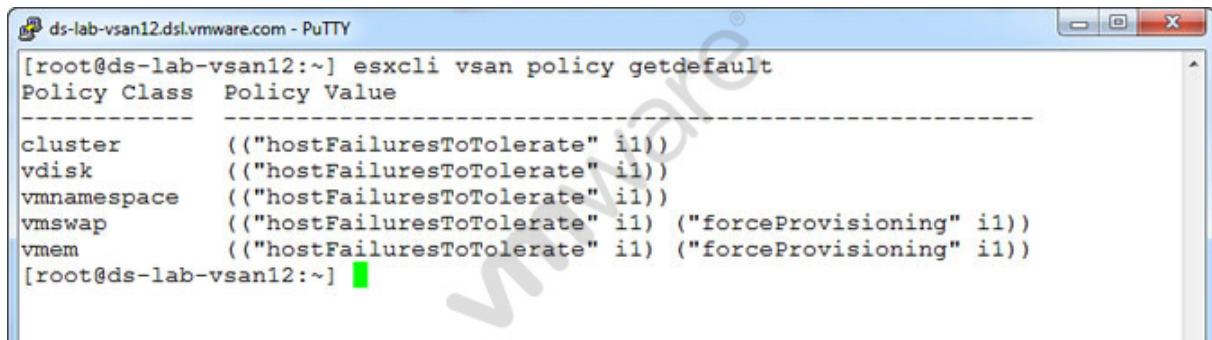
Was previously used by a Linux server
Was not erased
Is visible with the vSphere Web Client

Which action can be performed to resolve the issue?

- ☐ Delete the partitions on the disk manually with partedUtil first.
- ☐ Create a VMFS3 file system first, then upgrade it.
- ☐ Create the VMFS5 file system manually using vmkfstools.
- ☐ Delete the data with the vmkfstools command.

Question 92

Refer to the Exhibit.



```
ds-lab-vsan12.dsl.vmware.com - PuTTY
[root@ds-lab-vsan12:~] esxcli vsan policy getdefault
Policy Class  Policy Value
-----
cluster      (("hostFailuresToTolerate" i1))
vdisk        (("hostFailuresToTolerate" i1))
vmnamespace  (("hostFailuresToTolerate" i1))
vmswap       (("hostFailuresToTolerate" i1) ("forceProvisioning" i1))
vmem         (("hostFailuresToTolerate" i1) ("forceProvisioning" i1))
[root@ds-lab-vsan12:~]
```

An administrator recently created a Virtual SAN but no Storage Policies were defined. A few virtual machines were deployed to this cluster. The administrator analyzes the default Virtual SAN policy as shown in the Exhibit.



Based on the exhibit, which two statements are true? (Choose two.)

- ☐ Losing one cluster node will not affect data availability.
- ☐ Losing one Hard Disk in a cluster node will not affect data availability.
- ☐ Creating a virtual machine Swap file will fail if it violates default storage policy
- ☐ Creating a virtual machine will succeed even if it violates default storage policy

Question 93

An administrator tries to connect the vSphere 5.5 Client to an ESXi 6.x host.



What will happen when this takes place?

- ☐ The operation will fail, since the vSphere Client is deprecated in vSphere 6.x.
- ☐ The operation will fail and the administrator will need to delete the client and install the 6.x version.
- ☐ The operation will prompt the administrator to run a script to upgrade the vSphere Client.
- ☐ The operation will update the vSphere Client silently in the background, then connect.

Question 94

Which three ports are used by the vSphere Web Client when connecting directly to an ESXi 6.x host? (Choose three.)

- ☐ 443 TCP
- ☐ 902 TCP and UDP
- ☐ 903 TCP
- ☐ 5480 TCP
- ☐ 9443 TCP and UDP

Question 95

VMware vSphere Replication protects virtual machines from partial or complete site failures by replicating the virtual machines between which three sites? (Choose three.)

- ☐ From a source site to a target site.
- ☐ From within a single site from one cluster to another.
- ☐ From multiple source sites to a shared remote target site.
- ☐ From a single source site to multiple remote target sites.
- ☐ From multiple source sites to multiple remote target sites.

Question 96

A virtual machine is exhibiting these symptoms: ♦♦

Memory usage is constantly high (94% or greater) or constantly low (24% or less).

Free memory is consistently 6% or less and swapping frequently occurs

Which three solutions could correct this problem? (Choose three.)

- ☐ Verify that VMware Tools is installed on each virtual machine.
- ☐ Decrease the memory reservation setting, if higher than active memory.
- ☐ Add physical memory to the host.
- ☐ Disable the balloon driver in each virtual machine.
- ☐ Create a memory limit for each virtual machine.

Question 97

Which password meets ESXi 6.x host password requirements?

- ☐ 8kMVnn2x!
- ☐ zNgtnJBA2
- ☐ Nvgt34kn44
- ☐ !b74wr

Question 98

An administrator is upgrading an ESXi 5.5 host to ESXi 6.x and gets the following error:

◆◆

MEMORY_SIZE◆

◆◆

What does this indicate?

- ☐ Insufficient memory on the ESXi host to complete the upgrade.
- ☐ Insufficient memory for Auto Deploy to complete the upgrade.
- ☐ Insufficient memory in vCenter Server to complete the upgrade.
- ☐ Insufficient memory for Update Manager to complete the upgrade.

Question 99

Which two statements are true regarding Storage Multipathing Plug-Ins? (Choose two.)

- ☐ The default Path Selection Policy is VMW_PSP_MRU for iSCSI or FC devices.
- ☐ The default Path Selection Policy is VMW_PSP_FIXED for iSCSI or FC devices.
- ☐ VMW_PSP_MRU is typically selected for ALUA arrays by default.
- ☐ VMW_PSP_FIXED is typically selected for ALUA arrays by default.

Question 100

A common root user account has been configured for a group of ESXi 6.x hosts.

◆◆

Which two steps should be taken to mitigate security risks associated with this configuration? (Choose two.)

- ☐ Remove the root user account from the ESXi host.
- ☐ Set a complex password for the root account and limit its use.
- ☐ Use ESXi Active Directory capabilities to assign users the administrator role.
- ☐ Use Lockdown mode to restrict root account access.

Question 101

Refer to the Exhibit.

VM/Host Rules

Add... Edit... Delete

Name	Type	Enabled	Conflicts	Defined By
 Marketing Rule	Run VMs on Hosts	No	0	User

VM/Host Rule Details

Virtual Machines that are members of the VM Group should run on hosts that are members of the Host Group.

Add... Remove Add... Remove

Marketing Group Members	Primary Group Members
 Marketing	 10.21.38.106

vSphere HA Rule Settings Edit...

vSphere HA can enforce VM/Host rules when restarting virtual machines.

VM anti-affinity rules	vSphere HA must respect rules during failover
VM to Host affinity rules	vSphere HA should respect rules during failover

An administrator manages a High Availability (HA)/Distributed Resource Scheduler (DRS)-enabled cluster and has configured the affinity rule shown in the Exhibit.

Which two statements best describe the configuration shown in the exhibit? (Choose two.)

- ☐ HA will not failover Marketing to ESXi hosts that are not in the Host Group.
- ☐ HA will failover Marketing to ESXi hosts that are not in the Host group.
- ☐ DRS will attempt to keep Marketing on the ESXi host 10.21.38.106.
- ☐ DRS will not attempt to keep Marketing on the ESXi host 10.21.28.106.

Question 102

An administrator is troubleshooting a CPU performance issue for a virtual machine.

Which three esxtop counters may demonstrate CPU contention? (Choose three.)

- ☐ %RDY
- ☐ %RUN
- ☐ %MLMTD
- ☐ %WAIT
- ☐ %CSTP

Question 103

Which three traffic types can be configured for dedicated VMkernel adapters? (Choose three.)

- ☐ Discovery traffic
- ☐ vMotion traffic
- ☐ vSphere Replication NFC traffic
- ☐ Provisioning traffic
- ☐ vSphere Custom traffic

Question 104

When attempting to connect to a vCenter Server, an administrator observes the following at the top of the vSphere Web Client:

◆◆

Could not connect to one or more vCenter Server Systems: <https://vCenter.corp.com:443/sdk>

◆◆

What three reasons could be preventing the vSphere Web Client from communicating with this vCenter Server? (Choose three.)

- ☐ The vCenter Server machine is not responding via the network.
- ☐ An incorrect entry for this vCenter Server exists in the Single Sign-On service.
- ☐ The SSL certificates do not match the FQDN address for the server.
- ☐ The Platform Services Controller is external to this vCenter Server.
- ☐ The DNS entry for the vCenter Server is incorrect.

Question 105

Deletion of an NFS datastore generates the following error:

Sysinfo error on operation returned the following status: Busy

Which step can be performed that will allow the deletion to complete successfully?

- ☐ Storage vMotion any virtual machines on the datastore to another location.
- ☐ Remove the datastore from the Storage DRS cluster in which it resides.
- ☐ Verify the value of the NFS.HeartbeatDelta is not set to 0.
- ☐ Suspend any running virtual machines and unmount the NFS datastore.

Question 106

An administrator needs to recover disk space on a previously-used thin provisioned virtual disk. The volumes where the administrator needs to recover the disk blocks are on VAAI-compliant storage arrays.



Which two actions should the administrator take accomplish this task? (Choose two.)

- ☐ Perform a Storage vMotion to another volume in order to force free space recovery to occur. This recreates the volume in a new location and recovers all unused space.
- ☐ Use VMware Converter to migrate the virtual machine to a new datastore. This will recreate the volumes and recover all unused space.
- ☐ Issue the `vmkfstools -vmfs unmap` command within the VMFS volume directory on the ESXi host console.
- ☐ Execute the `esxcli storage vmfs unmap` command.

Question 107

An administrator is having a problem configuring Storage I/O Control on a Datastore.

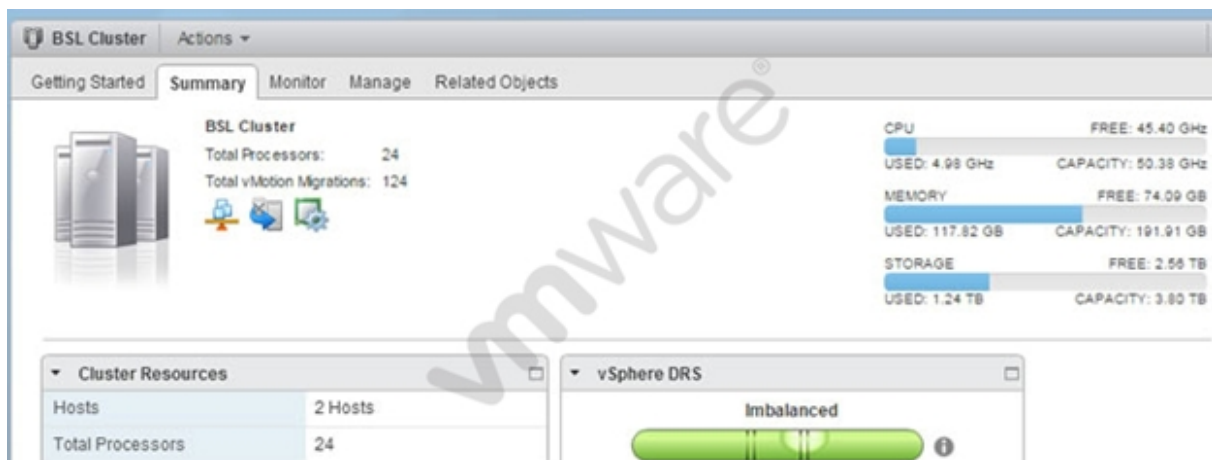


Which two conditions could explain the issue? (Choose two.)

- ☐ A host is running ESXi 4.0.
- ☐ An ESXi host does not have appropriate licensing.
- ☐ The vCenter Server version is 5.0.
- ☐ The vCenter Server License is Standard.

Question 108

Refer to the Exhibit.



An administrator is reviewing a vSphere Distributed Resource Scheduler (DRS) enabled Cluster and observes unexpected behavior as shown in the Exhibit.

What are three potential causes of the cluster imbalance? (Choose three.)

- ☐ A local device is mounted to one or more virtual machines.
- ☐ DRS rules prevent virtual machines from being moved.
- ☐ vMotion is not configured and enabled.
- ☐ There are insufficient cluster resources to perform the migration.
- ☐ DRS has been configured for a conservative migration threshold.

Question 109

An administrator suspects that the MTU value for a vSphere Standard Switch is misconfigured.

Which two commands can determine the value? (Choose two.)

- ☐ esxcfg-vswitch -l
- ☐ esxcli network vswitch standard list
- ☐ esxcfg-vss -l
- ☐ esxcli network standard vswitch list

Question 110

Which two scenarios would cause a Fault Tolerance-enabled virtual machine to fail to power the Secondary virtual machine? (Choose two.)

- ☐ The host has entered a Network Partitioned state.
- ☐ vSphere High Availability (HA) is disabled on the host cluster.
- ☐ Enhanced vMotion Compatibility (EVC) is enabled on the host cluster.
- ☐ vSphere Distributed Power Management (DPM) is enabled on the host cluster.

Question 111

An administrator is upgrading an ESXi host from 5.5 to 6.0 and runs the following command:

◆◆

```
esxcli software vib list --rebooting-image
```

◆◆

What◆does this command show?

- ☐ VIBs active after a reboot.
- ☐ VIBs that require a reboot.
- ☐ VIBs that are in the boot image.
- ☐ ◆VIBs that are third-party.

Question 112

An administrator is experiencing network connectivity issues between virtual machines. The virtual machines and hosts are◆configured◆as follows:◆

VM1 is◆running◆on Host1

VM2 is◆running◆on Host2◆

Both Host1 and Host2 are attached to◆the vSphere◆Distributed Switch dvSwitch1

Both Host1 and Host2 are using vmnic0 and vmnic1 on dvSwitch1

Both virtual machines are using the default portgroup for network traffic

◆

What are three settings the administrator should investigate while troubleshooting◆the◆connectivity issue? (Choose three.)

- ☐ VLANs of the physical NICs
- ☐ Failover order of the uplinks
- ☐ Virtual NIC connectivity to the dvSwitch
- ☐ Security policy of the portgroup
- ☐ Traffic shaping on the portgroup

Question 113

When troubleshooting a performance related issue, an administrator sees the following warning message on an ESXi Console:

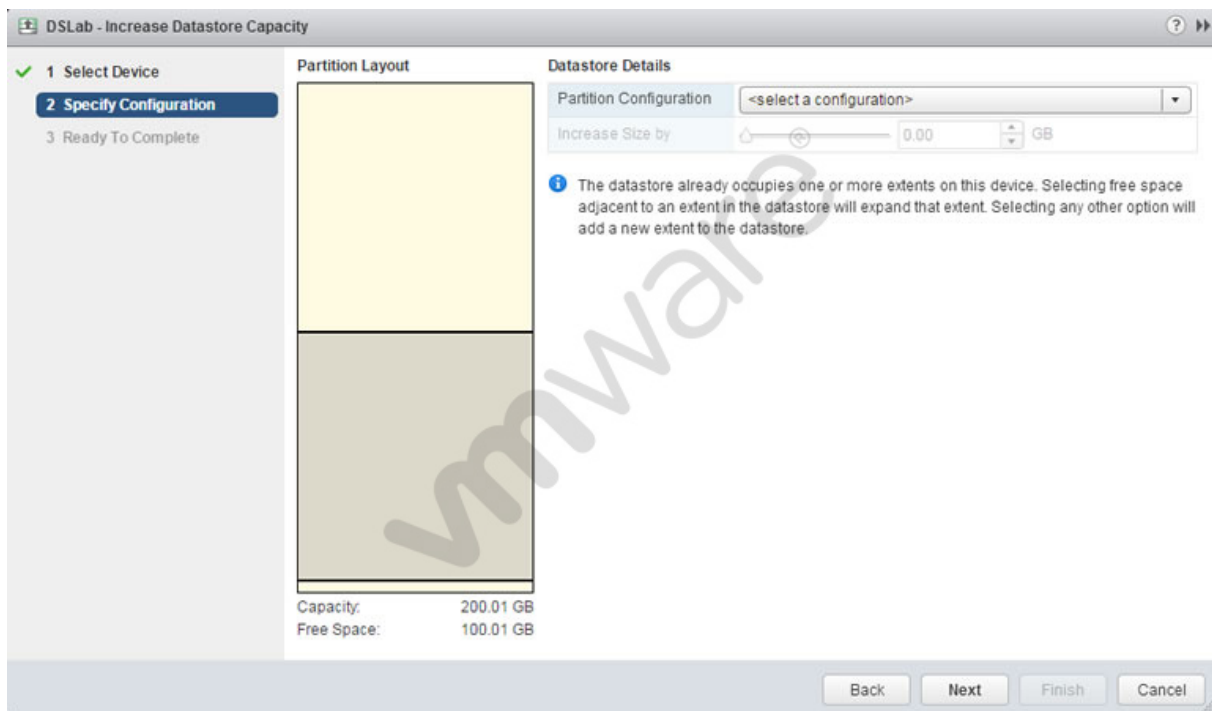
Significant imbalance between NUMA nodes detected. Performance may be impacted.

Which action should the administrator take to correct this problem?

- ☐ Ensure that the RAM modules are evenly balanced between processor sockets in the physical server.
- ☐ Ensure that all memory banks associated with CPU Socket 0 in the physical server are completely filled.
- ☐ Ensure that the physical server has the maximum amount of RAM modules that it can support.
- ☐ Ensure that all RAM modules in the host are Error-correcting code (ECC) modules.

Question 114

Refer to the Exhibit.



An administrator wants to increase the capacity of a VMFS5 datastore; but the Increase Size by slider is not available, as shown in the Exhibit.

How should the administrator resolve this problem?

- ☐ Select a valid partition configuration from the drop-down menu.
- ☐ Use fdisk utility to manually resize the partition.
- ☐ Use the mouse to resize the partition indicated in the Partition Layout.
- ☐ Clicking Next will prompt for available usable space.

Question 115

An administrator uses the `df -h` command and notices that an NFS datastore is reporting a capacity of 0 Bytes.

What condition would cause this to occur?

- ☐ The NFS server on which the datastore resides is down.
- ☐ The datastore was mounted as Read/Write.
- ☐ The datastore was mounted as Read-Only.
- ☐ The datastore was created with NFS version 4.1.

Question 116

Which three troubleshooting actions should an administrator take to address slow performance when deploying a virtual machine template? (Choose three.)

- ☐ Increase network throughput by adding additional uplinks to the vSwitch.
- ☐ Change the destination datastore or volume for the virtual machine template.
- ☐ Configure a Provisioning Traffic vmkernel port to perform the deployment operation.
- ☐ Reduce the size of the virtual machine template's virtual disk.
- ☐ Deploy the virtual machine template to the cluster and allow Distributed Resource Scheduler to register the virtual machine.

Question 117

What are three recommended prerequisites before upgrading virtual machine hardware? (Choose three.)

- ☐ Create a backup or snapshot of the virtual machine.
- ☐ Upgrade VMware Tools to the latest version.
- ☐ Verify that the virtual machine is stored on VMFS3, VMFS5, or NFS datastores
- ☐ Detach all CD-ROM/ISO images from the virtual machines.
- ☐ Set the Advanced Parameter virtualHW.version = 11

Question 118

What is the compression algorithm used by vSphere Replication to compress data at the source?

- ☐ FastLZ
- ☐ Lz4
- ☐ Lzr
- ☐ Lzx

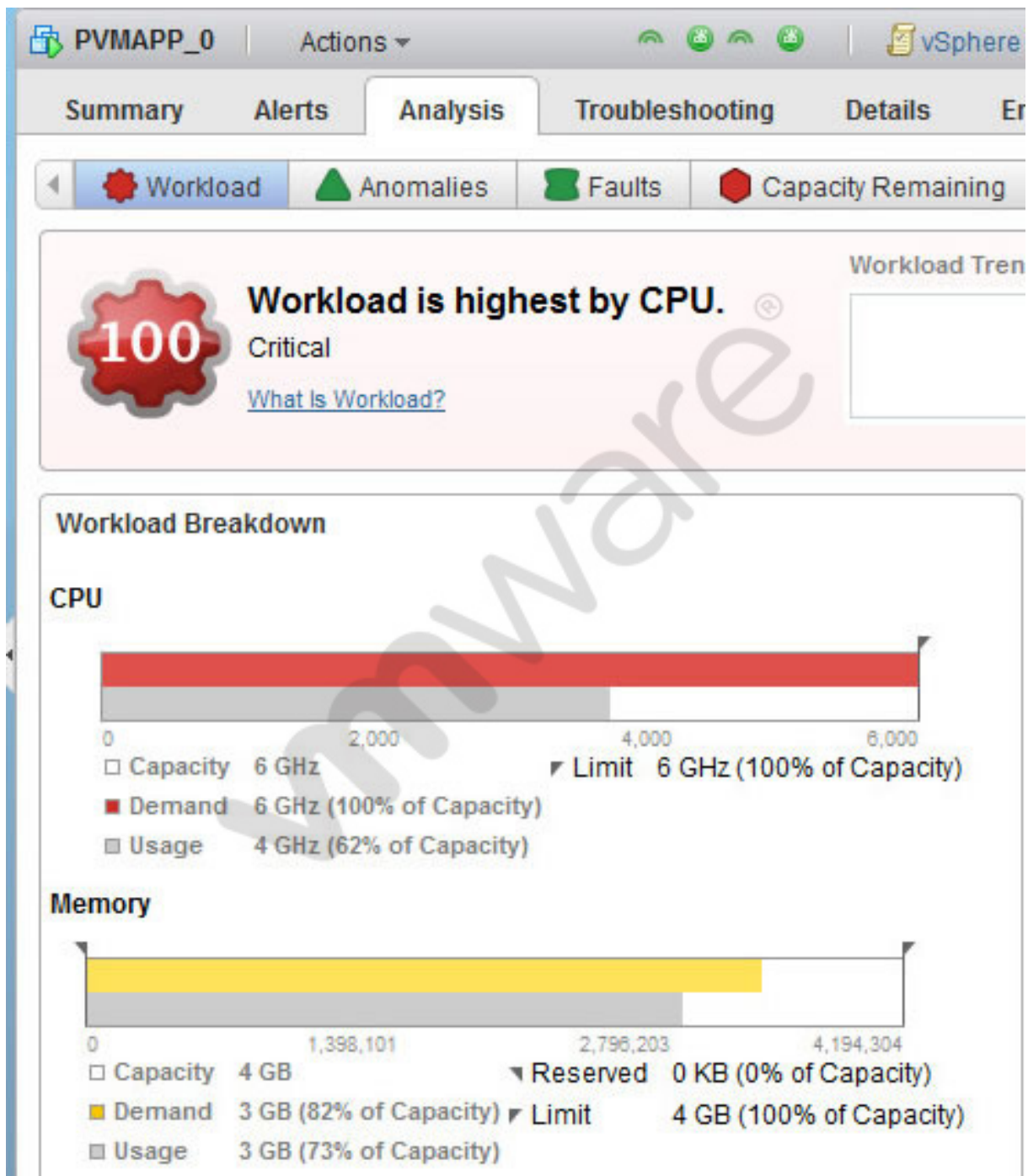
Question 119

What are two reasons why a local flash device would be unavailable for use with Virtual SAN? (Choose two.)

- ☐ It has a VMFS datastore present.
- ☐ It is in use by the vFlash Read Cache feature.
- ☐ It is smaller than the minimum capacity required for Virtual SAN usage.
- ☐ It does not have any partitions created.

Question 120

Refer to the Exhibit.

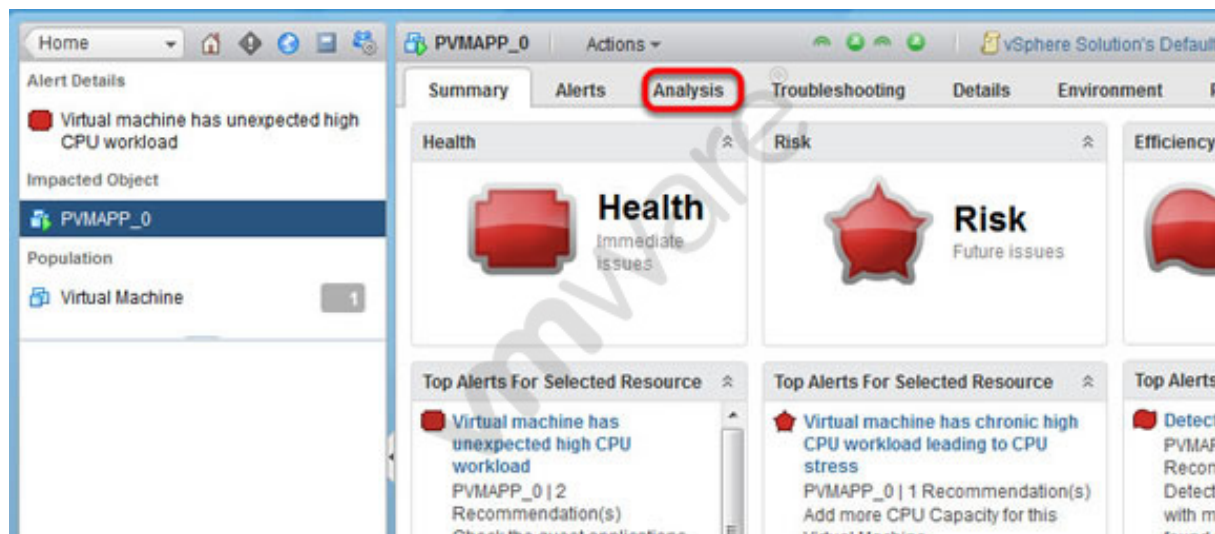


An administrator receives vRealize Operations alerts for the Health of the virtual machine PVMAPP_0 as shown in Exhibit 1:

◆
◆

The administrator clicks on the Analysis pane, as shown in Exhibit 2:◆

◆◆

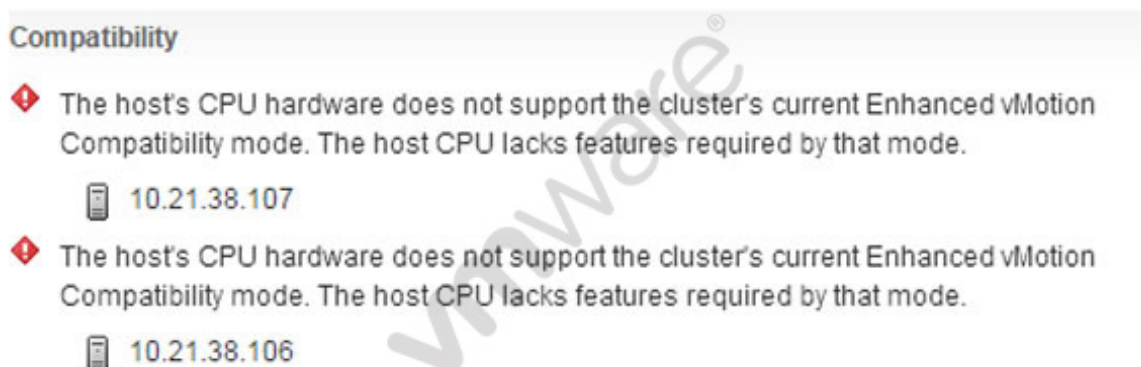


Based on the exhibits, what action would correctly address the performance problems observed?

- ☐ Increase the number of vCPUs for PVMAPP_0.
- ☐ Increase the allocation of memory for PVMAPP_0.
- ☐ Increase the Memory limit for PVMAPP_0.
- ☐ Increase the reservation in MHz for vCPUs for PVMAPP_0.

Question 121

Refer to the Exhibit.



An administrator is attempting to enable Enhanced vMotion Compatibility (EVC), but receives the error shown in the Exhibit.

Which condition would explain the error?

- ☐ The ESXi hosts are not licensed for EVC.
- ☐ The administrator does not have privileges to enable EVC.
- ☐ The ESXi host CPU has the Intel No-Execute feature disabled.
- ☐ The administrator has turned on Intel Virtualization Technology

Question 122

An administrator is upgrading a vCenter Server Appliance and wants to ensure that all the prerequisites are met.

◆◆

What action must be taken before upgrading the vCenter Server Appliance?

- ☐ Install the Client Integration Plug-in.
- ☐ Install the database client.
- ☐ Install the ODBC connector.
- ☐ Install the Update Manager Plug-in.

Question 123

An administrator has a virtual machine (VM) that uses a shared USB device.

Which option will allow the VM to utilize vMotion while retaining the maximum possible functionality?

- ☐ Disable the USB device from the VM.
- ☐ Remove the device from the VM
- ☐ Configure the VM to support vMotion while the device is connected
- ☐ Enable migration support for the individual USB device's

Question 124

Which three services can be enabled/disabled in the Security Profile for an ESXi host? (Choose three.)

- ☐ CIM Server
- ☐ Single Sign-On
- ☐ Direct Console UI
- ☐ Syslog Server
- ☐ vSphere Web Access

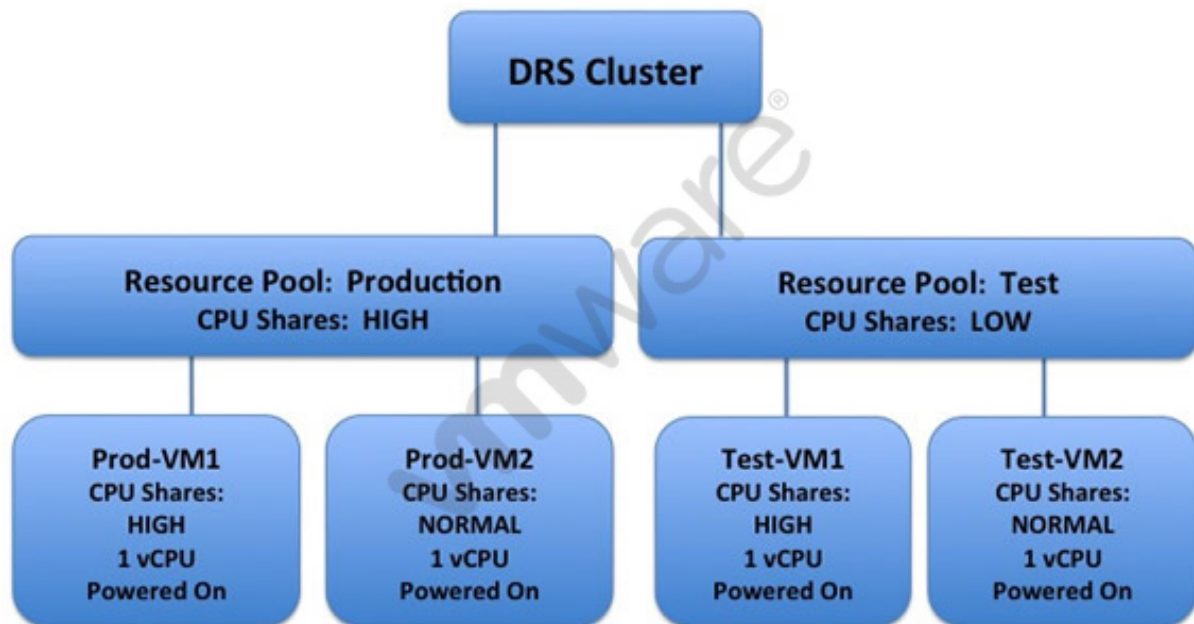
Question 125

Which three parameters should be considered when calculating the bandwidth for vSphere Replication? (Choose three.)

- ☐ Data change rate
- ☐ Traffic rates
- ☐ Link speed
- ☐ Application type
- ☐ Hardware type

Question 126

Refer to the Exhibit.



-- Exhibit --

An administrator has created the DRS cluster shown in the Exhibit.

◆

Based on the exhibit, which statement is true?

- ☐ Under CPU contention, Prod-VM1 receives four times the CPU resources than Test-VM1.
- ☐ The Prod-VM1 will always have more CPU resources than all other virtual machines.
- ☐ The Test-VM2 will always have less CPU resources than all other virtual machines
- ☐ Under CPU contention, Test-VM1 will receive 25% of the total CPU resources

Question 127

Refer to the Exhibit.

```
7:03:33pm up 17 days 17 mins, 21 VMs, 47 vCPUs; CPU load average: 0.17, 0.24, 0.28
Power Usage: 158W, Power Cap: N/A
PSTATE MHZ:

CPU %USED %UTIL %C0 %C1 %C2
0 8.0 17.5 18 52 30
1 4.9 11.9 12 49 39
2 7.7 15.8 16 63 21
3 3.3 8.0 8 56 36
4 9.3 19.0 19 64 17
5 3.8 9.4 9 65 26
6 5.2 11.6 11 60 28
7 6.8 14.1 14 54 32
8 4.8 10.6 11 77 12
9 4.4 9.4 9 55 35
10 3.2 7.6 9 76 14
11 3.5 8.0 8 59 33
12 13.8 25.8 24 34 41
13 7.4 14.9 15 35 50
14 13.6 25.6 26 26 48
15 3.6 7.9 8 44 48
16 6.8 13.3 13 23 63
17 3.5 7.5 7 31 62
18 6.4 12.5 12 33 55
19 3.4 7.2 7 29 64
20 2.7 5.7 6 37 58
21 5.2 9.6 10 19 72
22 4.5 8.7 9 33 58
23 4.4 8.5 8 41 51
```

An administrator is troubleshooting intermittent poor performance of virtual machines in a vSphere 6.x cluster. Investigating esxtop data shows that the only statistic that stands out is %CSTP as depicted in Exhibit 1:

```

[12:23] Sign up 44 days 1:06, 502 weeks, 1 Yrs, 8 cWPM: CW line averages 1.01, 1.06, 1.04
[12:23] R22(1): 00 00 00 00 00 00 00
[12:23] R21(1): 00 00 00 00 00 00 00

```

ID	ID NAME	WALL	WHEEL	W	WPM	WALL WPM	WMT	WILE	WOWLE	WSTV	
20470102	20470102 Testrun	100	105	204701	0.00	001.31	0.00	07.79	0.00	3.62	46.95
20470102	20470102 Testrun	100	107	204701	0.00	001.36	0.16	04.29	0.00	3.81	45.43

The administrator proceeds to switch to the **Power Management** screen and observes the data depicted in Exhibit 2:

```

7:00:13pm up 17 days 6:15, 750 users, 21 vms, 67 vCPUs: CPU load average: 0.17, 0.24, 0.28
Power Usage: 189W, Power Cap: N/A
ESTATE MIB:

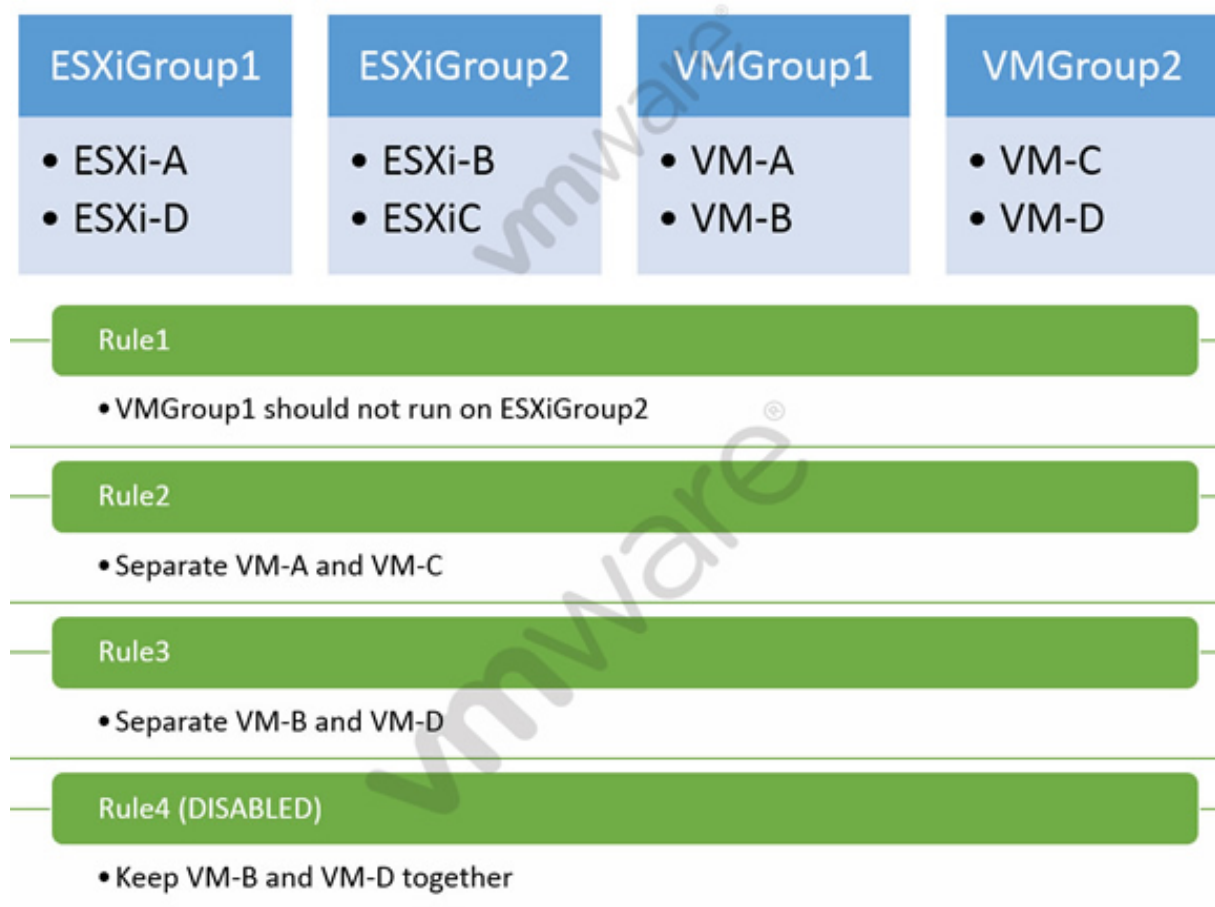
CPU MIBS:
MIB1 MIB2 MIB3 MIB4 MIB5 MIB6 MIB7 MIB8 MIB9 MIB10 MIB11 MIB12 MIB13 MIB14 MIB15 MIB16 MIB17 MIB18 MIB19 MIB20 MIB21 MIB22 MIB23 MIB24 MIB25 MIB26 MIB27 MIB28 MIB29 MIB30 MIB31 MIB32 MIB33 MIB34 MIB35 MIB36 MIB37 MIB38 MIB39 MIB40 MIB41 MIB42 MIB43 MIB44 MIB45 MIB46 MIB47 MIB48 MIB49 MIB50 MIB51 MIB52 MIB53 MIB54 MIB55 MIB56 MIB57 MIB58 MIB59 MIB60 MIB61 MIB62 MIB63 MIB64 MIB65 MIB66 MIB67 MIB68 MIB69 MIB70 MIB71 MIB72 MIB73 MIB74 MIB75 MIB76 MIB77 MIB78 MIB79 MIB80 MIB81 MIB82 MIB83 MIB84 MIB85 MIB86 MIB87 MIB88 MIB89 MIB90 MIB91 MIB92 MIB93 MIB94 MIB95 MIB96 MIB97 MIB98 MIB99 MIB100 MIB101 MIB102 MIB103 MIB104 MIB105 MIB106 MIB107 MIB108 MIB109 MIB110 MIB111 MIB112 MIB113 MIB114 MIB115 MIB116 MIB117 MIB118 MIB119 MIB120 MIB121 MIB122 MIB123 MIB124 MIB125 MIB126 MIB127 MIB128 MIB129 MIB130 MIB131 MIB132 MIB133 MIB134 MIB135 MIB136 MIB137 MIB138 MIB139 MIB140 MIB141 MIB142 MIB143 MIB144 MIB145 MIB146 MIB147 MIB148 MIB149 MIB150 MIB151 MIB152 MIB153 MIB154 MIB155 MIB156 MIB157 MIB158 MIB159 MIB160 MIB161 MIB162 MIB163 MIB164 MIB165 MIB166 MIB167 MIB168 MIB169 MIB170 MIB171 MIB172 MIB173 MIB174 MIB175 MIB176 MIB177 MIB178 MIB179 MIB180 MIB181 MIB182 MIB183 MIB184 MIB185 MIB186 MIB187 MIB188 MIB189 MIB190 MIB191 MIB192 MIB193 MIB194 MIB195 MIB196 MIB197 MIB198 MIB199 MIB200 MIB201 MIB202 MIB203 MIB204 MIB205 MIB206 MIB207 MIB208 MIB209 MIB210 MIB211 MIB212 MIB213 MIB214 MIB215 MIB216 MIB217 MIB218 MIB219 MIB220 MIB221 MIB222 MIB223 MIB224 MIB225 MIB226 MIB227 MIB228 MIB229 MIB230 MIB231 MIB232 MIB233 MIB234 MIB235 MIB236 MIB237 MIB238 MIB239 MIB240 MIB241 MIB242 MIB243 MIB244 MIB245 MIB246 MIB247 MIB248 MIB249 MIB250 MIB251 MIB252 MIB253 MIB254 MIB255 MIB256 MIB257 MIB258 MIB259 MIB260 MIB261 MIB262 MIB263 MIB264 MIB265 MIB266 MIB267 MIB268 MIB269 MIB270 MIB271 MIB272 MIB273 MIB274 MIB275 MIB276 MIB277 MIB278 MIB279 MIB280 MIB281 MIB282 MIB283 MIB284 MIB285 MIB286 MIB287 MIB288 MIB289 MIB290 MIB291 MIB292 MIB293 MIB294 MIB295 MIB296 MIB297 MIB298 MIB299 MIB300 MIB301 MIB302 MIB303 MIB304 MIB305 MIB306 MIB307 MIB308 MIB309 MIB310 MIB311 MIB312 MIB313 MIB314 MIB315 MIB316 MIB317 MIB318 MIB319 MIB320 MIB321 MIB322 MIB323 MIB324 MIB325 MIB326 MIB327 MIB328 MIB329 MIB330 MIB331 MIB332 MIB333 MIB334 MIB335 MIB336 MIB337 MIB338 MIB339 MIB340 MIB341 MIB342 MIB343 MIB344 MIB345 MIB346 MIB347 MIB348 MIB349 MIB350 MIB351 MIB352 MIB353 MIB354 MIB355 MIB356 MIB357 MIB358 MIB359 MIB360 MIB361 MIB362 MIB363 MIB364 MIB365 MIB366 MIB367 MIB368 MIB369 MIB370 MIB371 MIB372 MIB373 MIB374 MIB375 MIB376 MIB377 MIB378 MIB379 MIB380 MIB381 MIB382 MIB383 MIB384 MIB385 MIB386 MIB387 MIB388 MIB389 MIB390 MIB391 MIB392 MIB393 MIB394 MIB395 MIB396 MIB397 MIB398 MIB399 MIB400 MIB401 MIB402 MIB403 MIB404 MIB405 MIB406 MIB407 MIB408 MIB409 MIB410 MIB411 MIB412 MIB413 MIB414 MIB415 MIB416 MIB417 MIB418 MIB419 MIB420 MIB421 MIB422 MIB423 MIB424 MIB425 MIB426 MIB427 MIB428 MIB429 MIB430 MIB431 MIB432 MIB433 MIB434 MIB435 MIB436 MIB437 MIB438 MIB439 MIB440 MIB441 MIB442 MIB443 MIB444 MIB445 MIB446 MIB447 MIB448 MIB449 MIB450 MIB451 MIB452 MIB453 MIB454 MIB455 MIB456 MIB457 MIB458 MIB459 MIB460 MIB461 MIB462 MIB463 MIB464 MIB465 MIB466 MIB467 MIB468 MIB469 MIB470 MIB471 MIB472 MIB473 MIB474 MIB475 MIB476 MIB477 MIB478 MIB479 MIB480 MIB481 MIB482 MIB483 MIB484 MIB485 MIB486 MIB487 MIB488 MIB489 MIB490 MIB491 MIB492 MIB493 MIB494 MIB495 MIB496 MIB497 MIB498 MIB499 MIB500 MIB501 MIB502 MIB503 MIB504 MIB505 MIB506 MIB507 MIB508 MIB509 MIB510 MIB511 MIB512 MIB513 MIB514 MIB515 MIB516 MIB517 MIB518 MIB519 MIB520 MIB521 MIB522 MIB523 MIB524 MIB525 MIB526 MIB527 MIB528 MIB529 MIB530 MIB531 MIB532 MIB533 MIB534 MIB535 MIB536 MIB537 MIB538 MIB539 MIB540 MIB541 MIB542 MIB543 MIB544 MIB545 MIB546 MIB547 MIB548 MIB549 MIB550 MIB551 MIB552 MIB553 MIB554 MIB555 MIB556 MIB557 MIB558 MIB559 MIB560 MIB561 MIB562 MIB563 MIB564 MIB565 MIB566 MIB567 MIB568 MIB569 MIB570 MIB571 MIB572 MIB573 MIB574 MIB575 MIB576 MIB577 MIB578 MIB579 MIB580 MIB581 MIB582 MIB583 MIB584 MIB585 MIB586 MIB587 MIB588 MIB589 MIB590 MIB591 MIB592 MIB593 MIB594 MIB595 MIB596 MIB597 MIB598 MIB599 MIB600 MIB601 MIB602 MIB603 MIB604 MIB605 MIB606 MIB607 MIB608 MIB609 MIB610 MIB611 MIB612 MIB613 MIB614 MIB615 MIB616 MIB617 MIB618 MIB619 MIB620 MIB621 MIB622 MIB623 MIB624 MIB625 MIB626 MIB627 MIB628 MIB629 MIB630 MIB631 MIB632 MIB633 MIB634 MIB635 MIB636 MIB637 MIB638 MIB639 MIB640 MIB641 MIB642 MIB643 MIB644 MIB645 MIB646 MIB647 MIB648 MIB649 MIB650 MIB651 MIB652 MIB653 MIB654 MIB655 MIB656 MIB657 MIB658 MIB659 MIB660 MIB661 MIB662 MIB663 MIB664 MIB665 MIB666 MIB667 MIB668 MIB669 MIB670 MIB671 MIB672 MIB673 MIB674 MIB675 MIB676 MIB677 MIB678 MIB679 MIB680 MIB681 MIB682 MIB683 MIB684 MIB685 MIB686 MIB687 MIB688 MIB689 MIB690 MIB691 MIB692 MIB693 MIB694 MIB695 MIB696 MIB697 MIB698 MIB699 MIB700 MIB701 MIB702 MIB703 MIB704 MIB705 MIB706 MIB707 MIB708 MIB709 MIB710 MIB711 MIB712 MIB713 MIB714 MIB715 MIB716 MIB717 MIB718 MIB719 MIB720 MIB721 MIB722 MIB723 MIB724 MIB725 MIB726 MIB727 MIB728 MIB729 MIB730 MIB731 MIB732 MIB733 MIB734 MIB735 MIB736 MIB737 MIB738 MIB739 MIB740 MIB741 MIB742 MIB743 MIB744 MIB745 MIB746 MIB747 MIB748 MIB749 MIB750 MIB751 MIB752 MIB753 MIB754 MIB755 MIB756 MIB757 MIB758 MIB759 MIB760 MIB761 MIB762 MIB763 MIB764 MIB765 MIB766 MIB767 MIB768 MIB769 MIB770 MIB771 MIB772 MIB773 MIB774 MIB775 MIB776 MIB777 MIB778 MIB779 MIB780 MIB781 MIB782 MIB783 MIB784 MIB785 MIB786 MIB787 MIB788 MIB789 MIB790 MIB791 MIB792 MIB793 MIB794 MIB795 MIB796 MIB797 MIB798 MIB799 MIB800 MIB801 MIB802 MIB803 MIB804 MIB805 MIB806 MIB807 MIB808 MIB809 MIB810 MIB811 MIB812 MIB813 MIB814 MIB815 MIB816 MIB817 MIB818 MIB819 MIB820 MIB821 MIB822 MIB82
```

◆Based on the information in the exhibits, which two configurations are probable causes of the poor performance? (Choose two.)

- ☐ The active power policy is set to Low Power.
- ☐ The host has active Sleep States configured in the BIOS.
- ☐ The active power policy is set to High Performance.
- ☐ The host has active Power States configured in the BIOS.

Question 128

Refer to the Exhibit.



An administrator has configured Distributed Resource Scheduler (DRS) groups and Affinity Rules as shown in the Exhibit.

◆Based on the exhibit, which two statements are true? (Choose two.)

- ☐ If ESXi-A and ESXi-D failed, VM-A and VM-B would not failover.
- ☐ A new conflicting affinity rule will be disabled by default.
- ☐ VM-B and VM-D can run on the same hosts.
- ☐ The administrator must disable Rule3 in order to enable Rule4.

Question 129

Which two statements are true regarding upgrading from a Distributed vCenter Server 5.x to vCenter Server 6.x? (Choose two.)

- ☐ vCenter Single Sign-On becomes part of the Platform Services Controller
- ☐ The vCenter Server service is not migrated during the upgrade process.
- ☐ The vSphere License Service is migrated to the new vCenter Server 6.x instance.
- ☐ vCenter inventory Service becomes part of the Platform Services Controller

Question 130

An administrator has a virtual machine configured with the following settings: ♦

ESXi version: 5.1

CPU: vCPUs 6

Memory: 48GB

Hardware version: 7

VMware Tools: Installed



Which two actions must the administrator take in order to utilize vNUMA? (Choose two.)

- ☐ Upgrade the ESXi host to vSphere 5.5 or later.
- ☐ Upgrade to Virtual Hardware version 8.
- ☐ Configure numa.vcpu.min to 5
- ☐ Configure numa.vcpu.min to 6

Question 131

Refer to the Exhibit.

This host currently has no management network redundancy

An administrator is changing the settings on a ♦vSphere♦Distributed Switch (vDS). During this process, the ESXi Management IP address ♦is set to an address which can no longer communicate with the vCenter Server.



What is the most likely outcome of this action?

- ☐ The host will disconnect from the vCenter Server and remain disconnected.
- ☐ The host will automatically detect the communication issue and revert the change.
- ☐ The host will stay connected with the change, but show an alert.
- ☐ The host will disconnect and migrate the vDS portgroup to a standard switch.

Question 132

Which VMware Single Sign-On component handles STS authentication requests?

- ☐ Identity Management Service
- ☐ Administration Server
- ☐ VMware Directory Service
- ☐ Security Token Service

Question 133

When attempting to log in with the vSphere Web Client, users have reported the error:

◆◆

Incorrect Username/Password

◆◆

The administrator has configured the Platform Services Controller Identity Source as:◆

Type. Active Directory as an LDAP Server

Domain: vmware.com

Alias: VMWARE

Default Domain: Yes

◆◆

Which two statements would explain why users cannot login to the vSphere Web Client? (Choose two.)

- ☐ Users are typing the password incorrectly.
- ☐ Users are in a forest that has 1-way trust.
- ☐ Users are in a forest that has 2-way trust.
- ☐ Users are logging into vCenter Server with incorrect permissions.

Question 134

Refer to the Exhibit.

Storage Adapters

Filter

Adapter	Type	Status	Identifier	Targets	Devices	Paths
PERC H310 Mini Monolithics						
vmhba1	SCSI	Unknown		7	7	7
Patsburg 6 Port SATA AHCI Controller						
vmhba36	Block SCSI	Unknown		0	0	0
vmhba0	Block SCSI	Unknown		0	0	0
vmhba35	Block SCSI	Unknown		0	0	0
vmhba37	Block SCSI	Unknown		1	1	1
vmhba38	Block SCSI	Unknown		0	0	0
vmhba34	Block SCSI	Unknown		0	0	0

Adapter Details

Properties | **Devices** | Paths

Filter

Name	Type	Capacity	Operational...	Hardware Acceleration	Drive Type
Local SEAGATE Disk (naa.5000...	disk	279.40 GB	Attached	Unknown	HDD
Local SEAGATE Disk (naa.5000...	disk	279.40 GB	Attached	Unknown	HDD
Local DP Enclosure Svc Dev (t1...	enclosure		Attached	Not supported	HDD
Local SEAGATE Disk (naa.5000...	disk	279.40 GB	Attached	Unknown	HDD
Local ATA Disk (naa.500253825...	disk	93.16 GB	Attached	Unknown	Flash
Local ATA Disk (naa.500253825...	disk	93.16 GB	Attached	Unknown	Flash
Local SEAGATE Disk (naa.5000...	disk	279.40 GB	Attached	Unknown	HDD

Refer to the Exhibit. The list of devices attached to vmhba1 will be the basis for configuring a VMware Virtual SAN using Manual Mode.

Based on the exhibit, which two combinations of devices should be used to create Disk Group(s)? (Choose two.)

- ☐ One Disk Group with one Flash Drive and three HDDs
- ☐ Two Disk Groups with one Flash Drive and two HDDs each
- ☐ One Disk Group with one Flash Drive and four HDDs
- ☐ Two Disk Groups with two Flash Drives and four HDDs each

Question 135

When upgrading vCenter Server, an administrator notices that the upgrade fails at the vCenter Single Sign-On installation.



What must be done to allow the upgrade to complete?

- ☐ Verify that the VMware Directory service can stop by manually restarting it.
- ☐ Verify that the vCenter Single Sign-On service can stop by manually restarting it.
- ☐ Uninstall vCenter Single Sign-On service.
- ☐ Uninstall the VMware Directory service.

Question 136

An administrator notices that one virtual machine is in an orphaned state.



What are two reasons that a virtual machine can appear as orphaned? (Choose two.)

- ☐ A VMware High Availability host failure has occurred.
- ☐ The virtual machine was unregistered directly on the host.
- ☐ The ESXi host is disconnected.
- ☐ The user does not have privilege to access the virtual machine.

Question 137

An administrator has upgraded a Distributed vCenter Server environment from 5.5 to 6.0.



What is the next step that should be taken?

- ☐ vCenter Inventory Service must be manually stopped and removed.
- ☐ vCenter Inventory Service must be changed from manual to automatic.
- ☐ vCenter Inventory Service must be manually stopped and restarted.
- ☐ vCenter Inventory Service must be changed from automatic to manual.

Question 138

To reduce the attack vectors for a virtual machine, which two settings should an administrator set to false? (Choose two.)

- ☐ keyboard.present
- ☐ vmnicX:Y.present
- ☐ ideX:Y.present
- ☐ serial.present

Question 139

Which secondary Private VLAN (PVLAN) type can communicate and send packets to an Isolated PVLAN?

- ☐ Community
- ☐ Isolated
- ☐ Promiscuous
- ☐ Primary

Question 140

An administrator has decided to create 10 ESXi 6.x hosts via Auto Deploy for a new Test/Dev cluster. The hosts are configured to obtain their networking configuration via DHCP.

◆◆

Which Direct Console User Interface option should the administrator use to renew the DHCP lease for the hosts?

- ☐ Restore Network Settings
- ☐ Test Management Network
- ☐ Restart Management Network
- ☐ Network Restore Options

Question 141

What is the minimum Virtual Hardware version required for vFlash Read Cache?

- ☐ Version 8
- ☐ Version 9
- ☐ Version 10
- ☐ Version 11

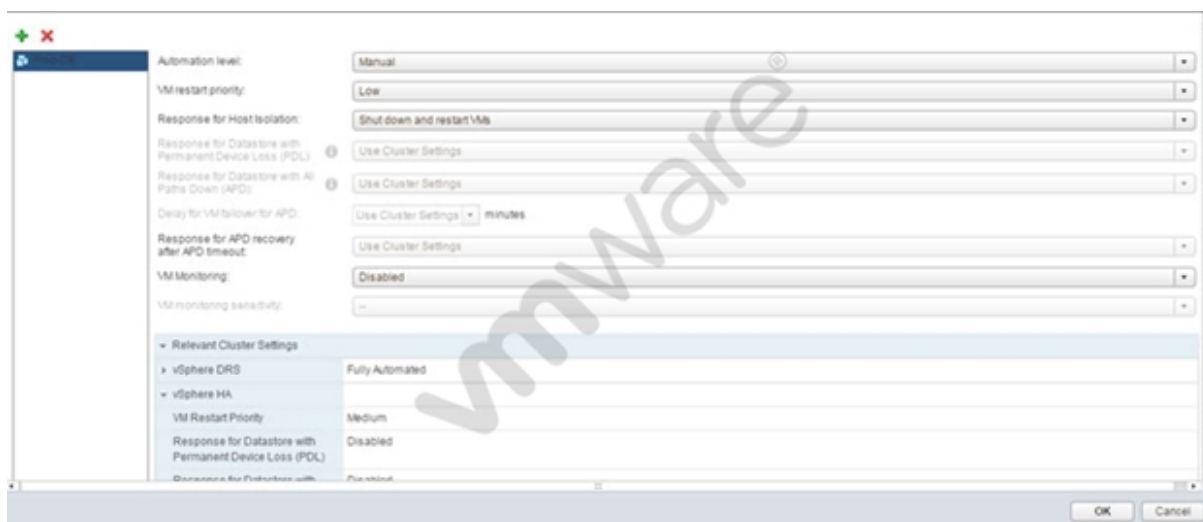
Question 142

Which two capabilities does the vSphere Replication Client Plug-in provide? (Choose two.)

- ☐ Configure connections between vSphere Replication Sites.
- ☐ Deploy and register additional vSphere Replication Servers.
- ☐ Reconfigure the vSphere Replication Server.
- ☐ Configure an external database for a vSphere Replication Site.

Question 143

Refer to the Exhibit.



The Prod-DB virtual machine has a VM Override as shown in the Exhibit.

What step, if taken, would require all virtual machines in the cluster to migrate automatically?

- ☐ Deselect the virtual machine from VM Overrides.
- ☐ Add all virtual machines to the VM Overrides.
- ☐ Change Response for Host Isolation to Use Cluster Settings.
- ☐ Change the Automation level to Use Cluster Settings.

Question 144

What are three reasons why a virtual machine might fail to power on? (Choose three.)

- ☐ The virtual machine is running on an ESXi host which has an expired license.
- ☐ The virtual machine is running on a datastore which has insufficient disk space for the .vswp file.
- ☐ The virtual machine is in a cluster with vSphere HA Admission control enabled.
- ☐ The virtual machine has a disconnected network adapter.
- ☐ The virtual machine does not have a Virtual Hard Disk assigned.

Question 145

Which statement is true for the Path Selection Plug-In VMW_PSP_MRU?

- ☐ VMW_PSP_MRU is default for a majority of active-active and active-passive arrays.
- ☐ VMW_PSP_MRU will remain on the selected path even if the state were to change.
- ☐ VMW_PSP_MRU is recommended for Virtual SAN.
- ☐ VMW_PSP_MRU will have no preferred path setting for the Plug-In.

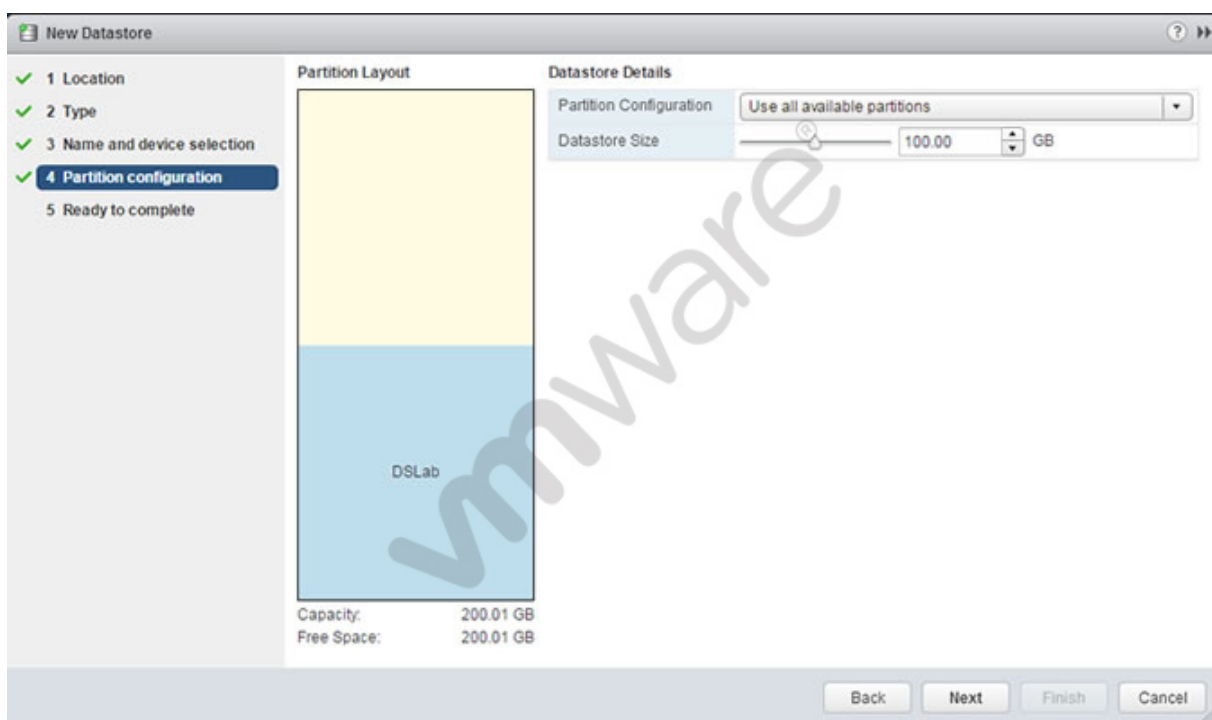
Question 146

Which two statements regarding Distributed Resource Scheduler (DRS) affinity rules are true? (Choose two.)

- ☐ When two VM-VM affinity rules conflict, the older one takes precedence and the newer rule is disabled.
- ☐ Using Specify Failover Hosts admission control policy, VM-VM affinity rules are not supported.
- ☐ DRS gives higher precedence to preventing violations of anti-affinity rules than violations of affinity rules.
- ☐ It is not possible to create an affinity rule that conflicts with the other rules being used.

Question 147

Refer to the Exhibit.



What will be created upon completion of the steps in this wizard?

- ☐ 100GB VMFS5 datastore with free space available for expansion
- ☐ 100GB VMFS5 datastore with free space available for a second datastore
- ☐ 100GB VMFS3 datastore
- ☐ 200.01 GB VMFS5 datastore

Question 148

Strict Lockdown Mode has been enabled on an ESXi host.



Which action should an administrator perform to allow ESXi Shell or SSH access for users with administrator privileges?

- ☐ Grant the users the administrator role and enable the service.
- ☐ Add the users to Exception Users and enable the service.
- ☐ No action can be taken, Strict Lockdown Mode prevents direct access.
- ☐ Add the users to vsphere.local and enable the service.

Question 149

After successfully adding a new ESXi 6.x host to vCenter Server, an administrator sees it as Not Responding in the vSphere Web Client interface a few minutes later.

If the issue is caused by a network firewall blocking traffic, which port must be opened to correct this specific problem?

- ☐ 443 (TCP)
- ☐ 443 (UDP)
- ☐ 902 (TCP)
- ☐ 902 (UDP)

Question 150

When operating with Distributed Resource Scheduler (DRS) and Distributed Power Management (DPM), what two statements explain the impact of disabling vSphere High Availability admission control? (Choose two.)

- ☐ DRS will evacuate virtual machines from hosts and places in maintenance or standby modes regardless of the impact this might have on failover requirements.
- ☐ VMware DPM will place hosts in standby mode even if doing so violates failover requirements.
- ☐ DRS does not evacuate virtual machines from a host for the purpose of placing it in maintenance or standby modes if placing the host in this state would violate failover requirements.
- ☐ VMware DPM does not place hosts in standby mode if doing so would violate failover requirements.