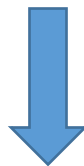


## VMware VCP6.5-DCV Certification 2V0-622PSE Exam



- **Vendor: VMware**
- **Exam Code: 2V0-622PSE**
- **Exam Name: VMware Certified Professional 6.5 - Data Center  
Virtualization Exam (PSE)**

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**QUESTION 1**

An administrator wants to provide users restricted access. The users should only be able to perform the following tasks:

- Create and consolidate virtual machine snapshots
- Add/Remove virtual disks
- Snapshot Management

Which default role in vCenter Server would meet the administrator's requirements for the users?

- A. Virtual machine user
- B. Virtual machine power user
- C. Virtual Datacenter administrator
- D. VMware Consolidated Backup user

**Answer: B**

**QUESTION 2**

Which two roles can be modified? (Choose two.)

- A. Administrator
- B. Network Administrator
- C. Datastore Consumer
- D. Read-Only

**Answer: BC**

**QUESTION 3**

An administrator with global administrator privileges creates a custom role but fails to assign any privileges to it. Which two privileges would the custom role have? (Choose two.)

- A. System.View
- B. System.Anonymous
- C. System.User
- D. System.ReadOnly

**Answer: AB**

**QUESTION 4**

An administrator wishes to give a user the ability to manage snapshots for virtual machines. Which privilege does the administrator need to assign to the user?

- A. Datastore.Allocate Space
- B. Virtual machine.Configuration.create snapshot
- C. Virtual machine.Configuration.manage snapshot
- D. Datastore.Browse Datastore

**Answer: A**

**QUESTION 5**

An object has inherited permissions from two parent objects. What is true about the permissions on the object?

- A. The common permissions between the two are applied and the rest are discarded.

- B. The permissions are combined from both parent objects.
- C. No permissions are applied from the parent objects.
- D. The permission is randomly selected from either of the two parent objects.

**Answer: B**

**QUESTION 6**

Which feature helps in managing the power consumed by a cluster when virtual machine usage is low?

- A. vMotion
- B. Dynamic Resource Scheduler
- C. Distributed Power Management
- D. Storage vMotion

**Answer: C**

**QUESTION 7**

Where does Fault Tolerance store the primary and secondary virtual machine files?

- A. Only local storage
- B. Only shared storage
- C. Both shared and local storage
- D. SSD

**Answer: C**

**QUESTION 8**

VMware vSphere 6.x provides which three capabilities? (Choose three.)

- A. Data center extension
- B. Manage virtual machines with simple and intuitive tools
- C. Perform live workload migrations
- D. Zero data center clown time
- E. Predictive analytics

**Answer: BCD**

**QUESTION 9**

What is the minimum number of virtual NICs that you can configure for a virtual machine?

- A. Four
- B. One
- C. Zero
- D. Two

**Answer: C**

**QUESTION 10**

Why does iSCSI use hardware and software initiators?

- A. To initiate connectivity to hardware and software components.
- B. To enable storage of data.
- C. To obtain native support within ESXi.
- D. To establish network connectivity.

**Answer: C**

**QUESTION 11**

Which two methods are recommended for managing the VMware Directory Service? (Choose two.)

- A. Utilize the vmdir command.
- B. Manage through the vSphere Web Client.
- C. Manage using the VMware Directory Service.
- D. Utilize the dc rep command.

**Answer: AB**

**QUESTION 12**

What are two sample roles that are provided with vCenter Server by default? (Choose two.)

- A. Virtual machine User
- B. Network Administrator
- C. Content Library Administrator
- D. Storage Administrator

**Answer: AB**

**QUESTION 13**

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

- A. CIM Server
- B. Single Sign-On
- C. Direct Console UI
- D. Syslog Server
- E. vSphere Web Access

**Answer: ACD**

**QUESTION 14**

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.)

- A. Replace Solution User Certificates (Intermediate CA)
- B. Replace the VMware Directory Service Certificate (Intermediate CA)
- C. Replace the VMware Directory Service Certificate
- D. Replace Solution User Certificates

**Answer: AC**

**QUESTION 15**

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

- A. VMware Certificate Authority mode
- B. Custom Certificate Authority mode
- C. Thumbprint mode
- D. Hybrid Deployment
- E. VMware Certificate Endpoint Authority Mode

**Answer: ABC**

**QUESTION 16**

Lockdown Mode has been enabled on an ESXi 6.x host and users are restricted from logging into the Direct Console User Interface (DCUI). Which two statements are true given this configuration? (Choose two.)

- A. A user granted administrative privileges in the Exception User list can login.
- B. A user defined in the DCUI.Access without administrative privileges can login.
- C. A user defined in the ESXi Admins domain group can login.
- D. A user set to the vCenter Administrator role can login.

**Answer: AB**

**QUESTION 17**

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?

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

**Answer: B**

**QUESTION 18**

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.)

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

**Answer: BC**

**QUESTION 19**

An administrator wants to configure an ESXi 6.x host to use Active Directory (AD) to manage users and groups. The AD domain group ESX Admins is planned for administrative access to the host. Which two conditions should be considered when planning this configuration? (Choose two.)

- A. If administrative access for ESX Admins is not required, this setting can be altered.
- B. The users in ESX Admins are not restricted by Lockdown Mode.
- C. An ESXi host provisioned with Auto Deploy cannot store AD credentials.
- D. The users in ESX Admins are granted administrative privileges in vCenter Server.

**Answer: AC**

**QUESTION 20**

Which two advanced features should be disabled for virtual machines that are only hosted on a vSphere system? (Choose two.)

- A. isolation.tools.unity.push.update.disable
- B. isolation.tools.ghi.launchmenu.change
- C. isolation.tools.bbs.disable
- D. isolation.tools.hgfsServerSet.enable

**Answer: AB**

**QUESTION 21**

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

- A. ideX:Y.present
- B. serial.present
- C. ideX:Y.enabled
- D. serial.enabled

**Answer: AB**

**QUESTION 22**

Which two groups of settings should be reviewed when attempting to increase the security of virtual machines (VMs)? (Choose two.)

- A. Disable hardware devices
- B. Disable unexposed features
- C. Disable VM Tools devices
- D. Disable VM Template features

**Answer: AB**

**QUESTION 23**

Which password meets ESXi 6.x host password requirements?

- A. 8kMVnn2x!
- B. zNgtnJBA2
- C. Nvgt34kn44
- D. !b74wr

**Answer: A**

**QUESTION 24**

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?

- A. retry=3 min=disabled, disabled, 7, 21, 7 passphrase=2
- B. retry=3 min=disabled, disabled, 21, 7, 7 passphrase=2
- C. retry=3 min=disabled, disabled, 2, 21, 7
- D. retry=3 min=disabled, disabled, 21, 21, 2

**Answer: B**

**QUESTION 25**

Which Advanced Setting should be created for the vCenter Server to change the expiration policy of the vpxuser password?

- A. VimPasswordExpirationInDays
- B. VimExpirationPasswordDays
- C. VimPassExpirationInDays
- D. VimPasswordRefreshDays

**Answer: A**

**QUESTION 26**

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.)

- A. Disable native remote management services
- B. Restrict Remote Console access
- C. Use Independent Non-Persistent virtual disks
- D. Prevent use of Independent Non-Persistent virtual disks

**Answer: BD**

**QUESTION 27**

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?

- A. isolation.tools.setinfo.disable = true
- B. isolation.tools.setinfo.enable = true
- C. isolation.tools.setinfo.disable = false
- D. isolation.tools.setinfo.enable = false

**Answer: A**

**QUESTION 28**

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

- A. ESXi host upgrades do not preserve the SSL certificate and reissue one from the VMware Certificate Authority (VMCA).
- B. ESXi host upgrades preserve the existing SSL certificate.

- C. ESXi hosts have assigned SSL certificates from the VMware Certificate Authority (VMCA) during install.
- D. ESXi hosts have self-signed SSL certificates by default.

**Answer: BC**

**QUESTION 29**

Which three options are available for replacing vCenter Server Security Certificates? (Choose three.)

- A. Replace with Certificates signed by the VMware Certificate Authority.
- B. Make VMware Certificate Authority an Intermediate Certificate Authority.
- C. Do not use VMware Certificate Authority, provision your own Certificates.
- D. Use SSL Thumbprint mode.
- E. Replace all VMware Certificate Authority issued Certificates with self-signed Certificates.

**Answer: ABC**

**QUESTION 30**

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.)

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

**Answer: AB**

**QUESTION 31**

Which group in the vsphere.local domain will have administrator privileges for the VMware Certificate Authority (VMCA)?

- A. SolutionUsers
- B. CAAdmins
- C. DCAAdmins
- D. SystemConfiguration.Administrators

**Answer: B**

**QUESTION 32**

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

- A. Maximum Lifetime
- B. Password Age



- C. Maximum Days
- D. Password Lifetime

**Answer: A**

**QUESTION 33**

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?

- A. Milliseconds
- B. Seconds
- C. Minutes
- D. Hours

**Answer: A**

**QUESTION 34**

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

- A. VMware Security Token Service
- B. Administration Server
- C. VMware Directory Service
- D. Identity Management Service

**Answer: A**

**QUESTION 35**

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

- A. Radius
- B. NIS
- C. OpenLDAP
- D. LocalOS

**Answer: CD**

**QUESTION 36**

An administrator needs to create an Integrated Windows Authentication (IWA) Identity Source on a newly deployed vCenter Server Appliance (VCSA). Which two actions will accomplish this? (Choose two.)

- A. Use a Service Principal Name (SPN) to configure the Identity Source.
- B. Use a Domain administrator to configure the Identity Source.
- C. Join the VCSA to Active Directory and configure the Identity Source with a Machine Account.
- D. Create a computer account in Active Directory for the VCSA and configure the Identity Source.

**Answer: AC**

**QUESTION 37**

An administrator wants to reduce the memory overhead for a 3D graphics enabled virtual machine

(VM). What advanced feature can be added to the VM configuration file to reduce memory overhead?

- A. vga.vgaOnly=TRUE
- B. vga.svgaEnable=FALSE
- C. svgaEnabled=FALSE
- D. svgadisable=TRUE

**Answer: A**

**QUESTION 38**

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:

- Six 32-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?

- A. 64
- B. 128
- C. 192
- D. 256

**Answer: B**

**QUESTION 39**

Which two features are available for virtual machines configured with DirectPath I/O? (Choose two.)

- A. Fault Tolerance
- B. Suspend and Resume
- C. Virtual Symmetric Multi-Processing (vSMP)
- D. Virtual Non-Uniform Memory Access (vNUMA)

**Answer: CD**

**QUESTION 40**

An administrator is creating a new Content Library. It will subscribe to another remote Content Library without authentication enabled. What information from the published library will they need in order to complete the subscription?

- A. Subscription URL
- B. A security password from the publishing Content Library
- C. Publisher's Items.json file
- D. Username from the publishing Content Library

**Answer: A**

**QUESTION 41**

An administrator is assigning a user the Content Library administrator role. The user will only be creating the library for a single vCenter Server. What is the lowest level of the permission hierarchy that this role can be granted to the user and still allow them to create a Content Library?

- A. Global
- B. Datacenter Folder
- C. Virtual Center
- D. Datacenter

**Answer: A**

**QUESTION 42**

A user notifies an administrator that Content Libraries are not visible. What is a possible solution?

- A. Assign the user the read-only role at the global permission level.
- B. Assign the user the read-only role at the vCenter Server root level.
- C. Assign the user the read-only role at the vCenter Server data center level.
- D. Assign the user the read-only role at the vCenter Server cluster level.

**Answer: A**

**QUESTION 43**

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

- A. The files will be unchanged.
- B. The files will be deleted.
- C. The files will remain and be marked as orphaned.
- D. The containing folder will be marked as orphaned.

**Answer: B**

**QUESTION 44**

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

- A. Secure Internet Connectivity
- B. Private Connect
- C. Direct Connect
- D. Internet Connectivity
- E. Secure VPN

**Answer: ACE**

**QUESTION 45**

An administrator subscribes to the vCloud Air Disaster Recovery service. Which replicated objects can be directly monitored and managed?

- A. Virtual machine Snapshots
- B. vApps
- C. Virtual machines
- D. ESXi Hosts

**Answer: C**

**QUESTION 46**

An administrator is adding an Active Directory over LDAP Identity Source for vCenter Single Sign-

On, as indicated in 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:

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

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

**Answer: A**

**QUESTION 47**

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.

This host currently has no management network redundancy

What is the most likely outcome of this action?

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

**Answer: B**

**QUESTION 48**

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

- A. Community
- B. Isolated
- C. Promiscuous
- D. Primary

**Answer: C**

**QUESTION 49**

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

- A. Discovery traffic
- B. vMotion traffic
- C. vSphere Replication NFC traffic
- D. Provisioning traffic
- E. vSphere Custom traffic

**Answer: BCD**

**QUESTION 50**

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

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

**Answer: BD**

**QUESTION 51**

Which two features are deprecated in Network I/O Control 3 (NIOC3)? (Choose two.)

- A. Class Of Service (COS) Tagging
- B. Bandwidth Allocation
- C. User-defined network resource pools
- D. Admission control

**Answer: AC**

**QUESTION 52**

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?

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

**Answer: B**

**QUESTION 53**

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

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

**Answer: BD**

**QUESTION 54**

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

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

**Answer: CD**

**QUESTION 55**

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

- A. Spanning Tree Protocol is enabled on the network ports.
- B. Spanning Tree Protocol is disabled on the network ports.
- C. Spanning Tree Protocol is enabled on the storage processors.
- D. Spanning Tree Protocol is disabled on the storage processors.

**Answer: A**

**QUESTION 56**

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

- A. Software iSCSI adapters require vmkernel networking.
- B. Independent Hardware iSCSI adapters offload processing from the ESXi host.
- C. Dependent Hardware iSCSI adapters do not require vmkernel networking.
- D. Independent Hardware iSCSI adapters require vmkernel networking.

**Answer: AB**

**QUESTION 57**

An administrator is configuring virtual machines to use Worldwide Port Names (WWPNs) to access the storage. Which two conditions are required? (Choose two.)

- A. The switches in the fabric must be N-Port ID Virtualization aware.
- B. The virtual machines must be using passthrough Raw Disk Mapping (RDMp).
- C. The virtual machines must be using Virtual Machine Disk (VMDK).
- D. The switches in the fabric must be Storage I/O Control aware.

**Answer: AB**

**QUESTION 58**

Which two statements are true regarding VMFS3 volumes in ESXi 6.x? (Choose two.)

- A. Creation of VMFS3 volumes is unsupported.
- B. Upgrading VMFS3 volumes to VMFS5 is supported.
- C. Existing VMFS3 volumes are unsupported.
- D. Upgrading VMFS3 volumes to VMFS5 is unsupported.

**Answer: AB**

**QUESTION 59**

Which three statements are correct regarding Fibre Channel over Ethernet (FCOE)? (Choose three.)

- A. The network switch must have Priority-based Flow Control (PFC) set to AUTO.
- B. The network switch must have Priority-based Flow Control (PFC) set to ON.
- C. Each port on the FCoE card must reside on the same vSwitch.
- D. Each port on the FCoE card must reside on a separate vSwitch.
- E. The ESXi host will require a reboot after moving an FCoE card to a different vSwitch.

**Answer: ADE**

**QUESTION 60**

Which two statements are true regarding Virtual SAN Fault Domains? (Choose two.)

- A. They enable Virtual SAN to tolerate the failure of an entire physical rack.
- B. Virtual SAN ensures that no two replicas are provisioned on the same domain.
- C. Virtual SAN ensures that all replicas are provisioned on the same domain.
- D. They require VMware High Availability (HA) to ensure component distribution across domains.

**Answer: AB**

**QUESTION 61**

An administrator created a six node Virtual SAN cluster, created a fault domain, and moved three of the six nodes into that domain. A node that is a member of the fault domain fails. What is the expected result?

- A. The remaining two fault domain members are treated as failed.

- B. The remaining two fault domain members stay protected by the domain.
- C. One of the non-member nodes will be automatically added to the fault domain.
- D. VMware High Availability will restart virtual machines on remaining nodes in the domain.

**Answer: A**

**QUESTION 62**

Where is a Virtual SAN Fault Domain configured?

- A. VMware Virtual SAN Cluster configuration
- B. VMware High Availability Cluster configuration
- C. Distributed Resource Scheduler configuration
- D. Datacenter Advanced Settings configuration

**Answer: A**

**QUESTION 63**

Which statement is true for the Path Selection Plug-In VMW\_PSP\_MRU?

- A. VMW\_PSP\_MRU is default for a majority of active-active and active-passive arrays.
- B. VMW\_PSP\_MRU will remain on the selected path even if the state were to change.
- C. VMW\_PSP\_MRU is recommended for Virtual SAN.
- D. VMW\_PSP\_MRU will have no preferred path setting for the Plug-In.

**Answer: D**

**QUESTION 64**

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

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

**Answer: AC**

**QUESTION 65**

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

- A. The default Path Selection Policy is VMW\_PSP\_MRU for iSCSI or FC devices.
- B. The default Path Selection Policy is VMW\_PSP\_FIXED for iSCSI or FC devices.
- C. VMW\_PSP\_MRU is typically selected for ALUA arrays by default.
- D. VMW\_PSP\_FIXED is typically selected for ALUA arrays by default.

**Answer: BC**

**QUESTION 66**

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

- A. esxcli storage core list plugin --plugin-class=MP
- B. esxcli storage core list plugin --class-plugin=MP



- C. esxcli storage core plugin list --plugin-class=MP
- D. esxcli storage core plugin list --class-plugin=MP

**Answer: C**

**QUESTION 67**

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

- A. Direct access to the storage array device
- B. Virtual Machine Snapshots
- C. Hardware Acceleration
- D. Guest Clustering across ESXi hosts

**Answer: AD**

**QUESTION 68**

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

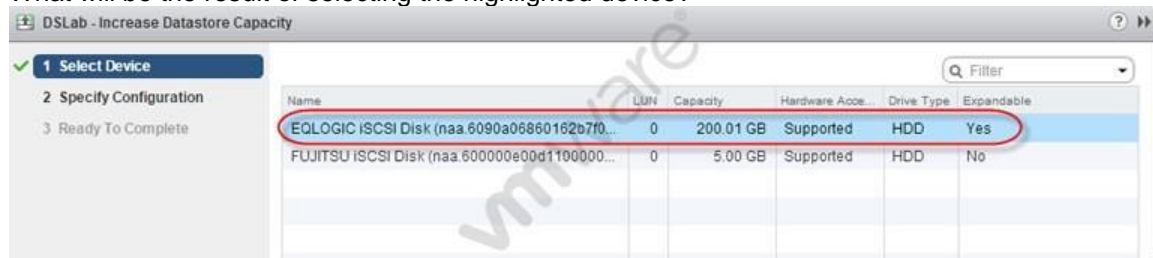
What is the corresponding VAAI support status in the vSphere Web Client?

- A. Unknown
- B. Supported
- C. Not supported
- D. Unsupported

**Answer: A**

**QUESTION 69**

What will be the result of selecting the highlighted device?



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

**Answer: A**

**QUESTION 70**

An administrator observes that virtual machine storage activity on an ESXi 6.x host is negatively

affecting virtual machine storage activity on another host that is accessing the same VMFS Datastore. Which action would mitigate the issue?

- A. Enable Storage I/O Control.
- B. Configure Storage DRS.
- C. Enable the Dynamic Queue Depth Throttling option.
- D. Configure the Disk.SchedNumReqOutstanding parameter.

**Answer: A**

**QUESTION 71**

An administrator is having a problem configuring Storage I/O Control on a Datastore. Which two conditions could explain the issue? (Choose two.)

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

**Answer: AB**

**QUESTION 72**

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

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

**Answer: ABC**

**QUESTION 73**

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

To meet this requirement, which setting should be changed?

- A. Storage Array Type Policy = VMW\_NMP\_RR
- B. Path Selection Policy = Round Robin (VMware)
- C. Storage Array Type Policy = VMW\_SATP\_RR
- D. Path Selection Policy = MRU (VMware)

**Answer: B**

### QUESTION 74

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?

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

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

**Answer: B**

**QUESTION 75**

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

"MEMORY\_SIZE ERROR"

What does this indicate?

- A. Insufficient memory on the ESXi host to complete the upgrade.
- B. Insufficient memory for Auto Deploy to complete the upgrade.
- C. Insufficient memory in vCenter Server to complete the upgrade.
- D. Insufficient memory for Update Manager to complete the upgrade.

**Answer: A**

**QUESTION 76**

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?

- A. VIBs active after a reboot.
- B. VIBs that require a reboot.
- C. VIBs that are in the boot image.
- D. VIBs that are third-party.

**Answer: A**

**QUESTION 77**

An administrator is performing a silent automatic update of VMware Tools on a Windows virtual machine. What syntax needs to be entered into the Advanced Options box?

- A. /s /v "/qn" /l "c:\Windows\filename.log"
- B. --prefix=/usr/local,/usr/lib,/usr/doc --silent
- C. --prefix=c:\Windows,c:\VMtools --silent
- D. /fs /v "/qn+" /l "c:\Windows\filename.log"

**Answer: A**

**QUESTION 78**

An administrator is writing a kickstart script to upgrade an ESXi 6.x host. In which three locations can the script reside? (Choose three.)

- A. NFS
- B. USB
- C. HTTP
- D. TFTP
- E. PXE

**Answer: ABC**

**QUESTION 79**

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

- A. boot.cfg

- B. ks.cfg
- C. script.cfg
- D. upgrade.cfg

**Answer: A**

**QUESTION 80**

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

- A. vSphere Update Manager
- B. vihostupdate
- C. esxcli
- D. vSphere Auto Deploy
- E. esxupdate

**Answer: ACD**

**QUESTION 81**

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

- A. vSphere Web Client
- B. vSphere Update Manager
- C. vmware-vmupgrade.exe
- D. esxcli vm hardware upgrade

**Answer: AB**

**QUESTION 82**

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

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

**Answer: ABC**

**QUESTION 83**

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 16 GB 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?

- A. Windows Server 2008 R2 is not a supported Operating System for vCenter Server.
- B. The virtual machine has insufficient resources for the environment size.
- C. The environment is too large to be managed by a single vCenter Server.

D. The Platform Services Controller must be changed to an External deployment.

**Answer: B**

**QUESTION 84**

An administrator has upgraded a Distributed vCenter Server environment from 5.5 to 6.0. What is the next step that should be taken?

- A. vCenter Inventory Service must be manually stopped and removed.
- B. vCenter Inventory Service must be changed from manual to automatic.
- C. vCenter Inventory Service must be manually stopped and restarted.
- D. vCenter Inventory Service must be changed from automatic to manual.

**Answer: A**

**QUESTION 85**

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?

- A. Verify that the VMware Directory service can stop by manually restarting it.
- B. Verify that the vCenter Single Sign-On service can stop by manually restarting it.
- C. Uninstall vCenter Single Sign-On service.
- D. Uninstall the VMware Directory service.

**Answer: A**

**QUESTION 86**

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

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

**Answer: A**

**QUESTION 87**

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?

- A. Install the Client Integration Plug-in.
- B. Install the database client.
- C. Install the ODBC connector.
- D. Install the Update Manager Plug-in.

**Answer: A**

**QUESTION 88**

An administrator is upgrading vCenter Server and sees this error:

- The DB User entered does not have the required permissions needed to install and configure vCenter Server with the selected DB.

- Please correct the following error(s): %s  
Which two statements explain this error? (Choose two.)

- A. The database is set to an unsupported compatibility mode.
- B. The permissions for the database are incorrect.
- C. The permissions for vCenter Server are incorrect.
- D. The database server service has stopped.

**Answer: AB**

**QUESTION 89**

Which two vCenter Server services are migrated automatically as part of an upgrade from a Distributed vCenter Server running 5.x? (Choose two.)

- A. vCenter Single Sign-on Service
- B. vSphere Web Client
- C. vSphere Inventory Service
- D. Storage Policy Based Management

**Answer: BC**

**QUESTION 90**

What command line utility can be used to upgrade an ESXi host?

- A. esxcli
- B. esxupdate
- C. vihostupdate
- D. esxcfg

**Answer: A**

**QUESTION 91**

Which log file would you examine to identify an issue which occurred during the pre-upgrade phase of a vCenter Server upgrade process?

- A. vcdb\_req.out
- B. vcdb\_export.out
- C. vcdb\_import.out
- D. vcdb\_inplace.out

**Answer: A**

**QUESTION 92**

Which three statements are true when restoring a Resource Pool Tree? (Choose three.)

- A. Distributed Resource Scheduler must be set to manual.
- B. Restoring a snapshot can only be done on the same cluster from which it was taken.
- C. No other resource pools can be present in the cluster.
- D. Restoring a resource pool tree must be done in the vSphere Web Client.
- E. Enabling Enhanced vMotion Compatibility on the cluster is required.

**Answer: BCD**

**QUESTION 93**

An administrator has created a resource pool named Marketing HTTP with a Memory Limit of 24 GB and a CPU Limit of 10,000 MHz. The Marketing HTTP resource pool contains three virtual machines:

- Mktg-SQL has a memory reservation of 16 GB.
- Mktg-App has a memory reservation of 6 GB.
- Mktg-Web has a memory reservation of 4 GB.

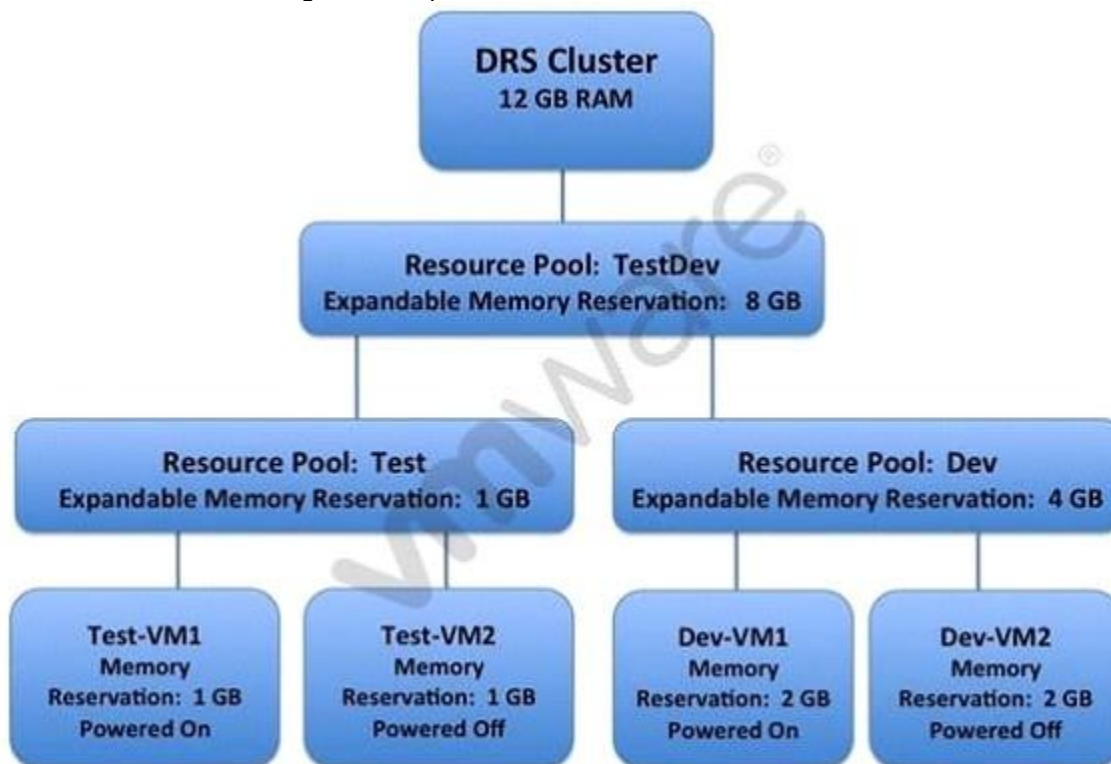
What would happen if all three virtual machines are powered on?

- A. All three virtual machines can power on, but will have memory contention.
- B. All three virtual machines can power on without memory contention.
- C. Only two of the three virtual machines can power on.
- D. Only one of the virtual machines can power on.

**Answer: C**

**QUESTION 94**

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



Based on the exhibit, which statement is true?

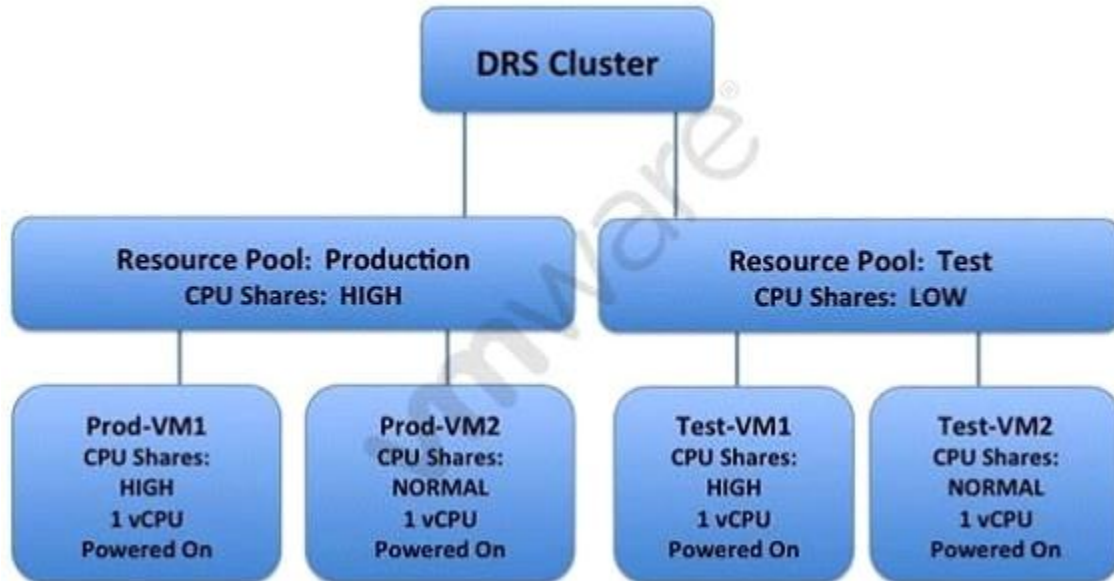
- A. A virtual machine can be powered on in the Test Resource Pool with a 6 GB Memory Reservation.
- B. A virtual machine can be powered on in the Dev Resource Pool with a 8 GB Memory Reservation.
- C. A virtual machine from both the Test Resource Pool and the Dev Resource Pool can be powered on with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



**Answer: A**

**QUESTION 95**

An administrator has created the DRS cluster shown in the exhibit:



Based on the exhibit, which statement is true?

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

**Answer: A**

**QUESTION 96**

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

- A. From a source site to a target site.
- B. From within a single site from one cluster to another.
- C. From multiple source sites to a shared remote target site.
- D. From a single source site to multiple remote target sites.
- E. From multiple source sites to multiple remote target sites.

**Answer: ABC**

**QUESTION 97**

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

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

**Answer: AB**

**QUESTION 98**

A vSphere Replication user needs to connect a source site to a target site. What privilege is needed at both sites?

- A. VRM remote.Manage VRM
- B. VRM datastore mapper.Manage
- C. Host.vSphere Replication.Manage replication
- D. Virtual machine.vSphere Replication.Manage replication

**Answer: A**

**QUESTION 99**

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

- A. Data change rate
- B. Traffic rates
- C. Link speed
- D. Application type
- E. Hardware type

**Answer: ABC**

**QUESTION 100**

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

- A. PKCS#12
- B. DER
- C. PEM
- D. PKCS#7

**Answer: A**

**QUESTION 101**

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

- A. hms-truststore.jks
- B. hms-keystore.jks
- C. certificates.ks
- D. cacerts.ks

**Answer: A**

**QUESTION 102**

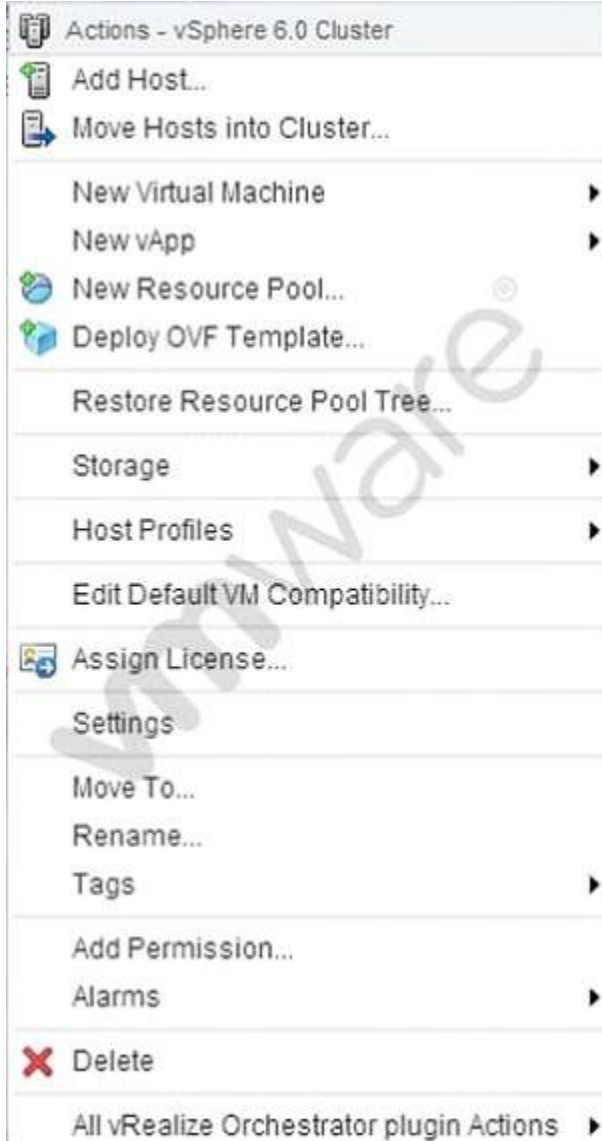
What is the maximum number of snapshot instances in vSphere Replication that can be configured to recover a virtual machine at a specific point in time?

- A. 16
- B. 24
- C. 48
- D. 72

**Answer: B**

**QUESTION 103**

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?

- A. Storage
- B. Deploy OVF Template
- C. New vApp
- D. Settings

**Answer: A**

**QUESTION 104**

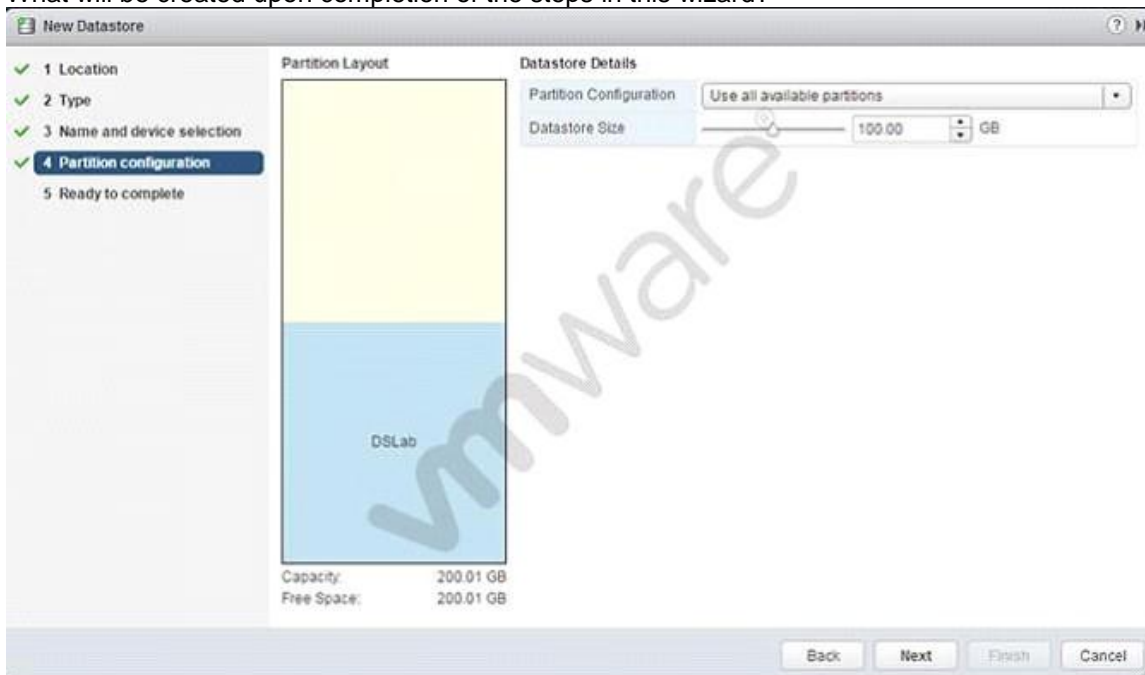
What is the compression algorithm used by vSphere Replication to compress data at the source?

- A. FastLZ
- B. Lz4
- C. Lzr
- D. Lzx

**Answer: A**

**QUESTION 105**

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



- A. 100 GB VMFS5 datastore with free space available for expansion
- B. 100 GB VMFS5 datastore with free space available for a second datastore
- C. 100 GB VMFS3 datastore
- D. 200.01 GB VMFS5 datastore

**Answer: A**

**QUESTION 106**

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

Storage Adapters

Adapter	Type	Status	Identifier	Targets	Devices	Paths
<b>PERC H310 Mini Monolithics</b>						
vmhba1	SCSI	Unknown		7	7	7
<b>Patsburg 6 Port SATA AHCI Controller</b>						
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

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

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

- A. One Disk Group with one Flash Drive and three HDDs
- B. Two Disk Groups with one Flash Drive and two HDDs each
- C. One Disk Group with one Flash Drive and four HDDs
- D. Two Disk Groups with two Flash Drives and four HDDs each

**Answer: AB**

**QUESTION 107**

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

Compatibility

- ❖ The host's CPU hardware does not support the cluster's current Enhanced vMotion Compatibility mode. The host CPU lacks features required by that mode.  
10.21.38.107
- ❖ The host's CPU hardware does not support the cluster's current Enhanced vMotion Compatibility mode. The host CPU lacks features required by that mode.  
10.21.38.106

Which condition would explain the error?

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

**Answer: C**

**QUESTION 108**

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?

- A. Insufficient space on the vCenter Server
- B. Insufficient space on the Database Server
- C. Insufficient space on the VMFS volume
- D. Insufficient space on the ESXi ramdisk

**Answer: A**

**QUESTION 109**

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.)

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

**Answer: AC**

**QUESTION 110**

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

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

**Answer: B**

**QUESTION 111**

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

- A. 443 TCP
- B. 902 TCP and UDP
- C. 903 TCP
- D. 5480 TCP
- E. 9443 TCP and UDP

**Answer: ABC**

**QUESTION 112**

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.)

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

**Answer: ABC**

**QUESTION 113**

An administrator wants to allow users to login to the vSphere Web Client using the Use Windows session authentication check box for faster authentication. Which three requirements must be met for this feature to be available and functional? (Choose three.)

- A. Install the vSphere Web Client Integration browser plug-in on the vCenter Server and Platform Services Controller machines.
- B. Install the vSphere Web Client Integration browser plug-in on each workstation from where a user will sign in.
- C. The users must be signed into Windows using Active Directory user accounts.
- D. The administrator must create a valid Identity Source in Single Sign-On for the users domain.
- E. The administrator must create a valid Single Sign-On Identity Source using Integrated Windows Authentication.

**Answer: BCD**

**QUESTION 114**

An administrator is unable to see performance statistics for only the Past Week performance data. The vCenter Server is using a Microsoft SQL Server Database. What are three likely causes contributing to this issue? (Choose three.)

- A. Performance statistics are turned off.
- B. The Past Day rollup job is not present.
- C. The stats\_rollup\_1\_proc is not present.
- D. The VMware Performance Charts Service is stopped.
- E. The JDBC URL is incorrect in the vcdb.properties file.

**Answer: ABC**



**QUESTION 115**

An ESXi 6.x host in the vCenter Server inventory has disconnected due to an All Paths Down (APD) situation. An administrator has corrected the APD issue on the host, but it still remains disconnected. What action should the administrator take next?

- A. Select Restart Management Agents from the DCUI.
- B. Execute esxcli system settings advanced set -d /Scsi/FailVMIOonAPD.
- C. Modify the advanced parameter /Disk/ApdTokenRetryCount.
- D. Enable the advanced parameter /Misc/APDHandlingEnable.

**Answer: A**

**QUESTION 116**

Which feature of vSphere networking restricts the inbound and outbound network bandwidth of a group of virtual machines?

- A. Differentiated Services Code Point
- B. NetFlow
- C. Traffic Shaping
- D. Port Mirroring

**Answer: C**

**QUESTION 117**

Which storage protocol allows administrators to reduce the total number of network ports used in the network environment?

- A. Fibre Channel over Ethernet
- B. Virtual SAN
- C. Fibre Channel
- D. Network File System

**Answer: B**

**QUESTION 118**

What are two features of a resource pool? (Choose two.)

- A. Controls the aggregate CPU and memory resources of the DRS cluster.
- B. Allocates available resources among the virtual machines.
- C. Consolidates workloads to reduce the power consumed by the cluster.
- D. Provides easy migration and monitoring.

**Answer: BC**

**QUESTION 119**

Which two features would an administrator use to migrate virtual machines across a WAN to another site? (Choose two.)

- A. Storage vMotion
- B. Long Distance vMotion
- C. High Availability
- D. Cross vSwitch vMotion



**Answer: AB**

**QUESTION 120**

What are two features of vSphere with Operations Management? (Choose two.)

- A. Enables proactive identification of system issues through predictive analysis.
- B. Allows reclaiming overprovisioned capacity to increase resource utilization.
- C. Provides a secure portal for requesting new IT services.
- D. Delivers real-time log management.

**Answer: AB**

**QUESTION 121**

Which datastore type can be extended to span several physical storage extents, including storage Area Network LUNs and local storage devices, in order to create a datastore that fits the needs of your virtual machines?

- A. Virtual SAN
- B. NFS
- C. iSCSI
- D. VMFS Datastores

**Answer: D**

**QUESTION 122**

What are two advantages of using vSphere Data Protection In a data center? (Choose two.)

- A. Creates new virtual machines.
- B. Migrates virtual machines.
- C. Ensures minimum impact on network bandwidth.
- D. Provides increased backup data capacity.

**Answer: AC**

**QUESTION 123**

An administrator wants to clone a virtual machine using the vSphere Client. Which explains why the Clone option is missing?

- A. The vSphere Client is directly connected to the ESXi host.
- B. The virtual machine is configured with a thin-provisioned virtual disk.
- C. The virtual machine is configured with outdated Virtual Hardware.
- D. Cloning can only be performed with vRealize Orchestrator.

**Answer: A**

**QUESTION 124**

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?

- A. vim-cmd vmshvc/power.on 12345
- B. vim-cmd vmshvc/power.on SQL001
- C. vmware-vim-cmd vmshvc/power.on 12345
- D. vmware-vim-cmd vmshvc/power.on SQL001

**Answer: A**

**QUESTION 125**

What will occur if the .nvram file is deleted from a powered off virtual machine?

- A. The .nvram file will get created the next time the virtual machine is powered on.
- B. Restoring the file from backup is needed to allow the virtual machine to power on.
- C. The virtual machine will fail to power on and enter an Orphaned state.
- D. The virtual machine will fail to power on and enter an Inaccessible state.

**Answer: A**

**QUESTION 126**

An administrator tries to connect the vSphere 5.5 Client to an ESXi 6.x host. What will happen when this takes place?

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

**Answer: C**

**QUESTION 127**

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?

- A. 443 (TCP)
- B. 443 (UDP)
- C. 902 (TCP)
- D. 902 (UDP)

**Answer: D**

**QUESTION 128**

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?

- A. /var/log/syslog.log
- B. /var/log/hostd.log
- C. /var/log/vpxa.log
- D. /var/log/fdm.log

**Answer: C**

**QUESTION 129**

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 space  
Exception 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?

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

**Answer: A**

**QUESTION 130**

An administrator is troubleshooting a virtual machine that has unexpectedly powered off. Which two logs should be used to troubleshoot the issue? (Choose two.)

- A. vmware.log
- B. hostd.log
- C. syslog.log
- D. shell.log

**Answer: AB**

**QUESTION 131**

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

**Answer: AB**

**QUESTION 132**

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

- A. Version 8
- B. Version 9
- C. Version 10
- D. Version 11

**Answer: C**

**QUESTION 133**

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

- A. The virtual machine is running on an ESXi host which has an expired license.

- B. The virtual machine is running on a datastore which has insufficient disk space for the .vswp file.
- C. The virtual machine is in a cluster with vSphere HA Admission control enabled.
- D. The virtual machine has a disconnected network adapter.
- E. The virtual machine does not have a Virtual Hard Disk assigned.

**Answer: ABC**

**QUESTION 134**

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

- A. vmkfstools --check
- B. voma
- C. vmfsanalyzer
- D. esxcli vmfs check

**Answer: B**

**QUESTION 135**

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

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

**Answer: AB**

**QUESTION 136**

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

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

**Answer: ABC**

**QUESTION 137**

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.)

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

**Answer: AB**

**QUESTION 138**

An administrator suspects that the MTU value for a vSphere Standard Switch is misconfigured. Which two commands can determine the value? (Choose two.)

- A. esxcfg-vswitch -l
- B. esxcli network vswitch standard list
- C. esxcfg-vss -l
- D. esxcli network standard vswitch list

**Answer: AB**

**QUESTION 139**

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?

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

**Answer: A**

**QUESTION 140**

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?

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

**Answer: A**

**QUESTION 141**

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?

- A. The fifth virtual machine is currently powered off.
- B. The fifth virtual machine has two vnics.
- C. The fifth virtual machine has an invalid IP address.
- D. The fifth virtual machine has an invalid MAC address.

**Answer: A**

**QUESTION 142**

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.)

- A. VLANs of the physical NICs
- B. Failover order of the uplinks
- C. Virtual NIC connectivity to the dvSwitch
- D. Security policy of the portgroup
- E. Traffic shaping on the portgroup

**Answer: ABC**

#### **QUESTION 143**

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?

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

**Answer: A**

#### **QUESTION 144**

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

- The disk was formatted with an 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?

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

**Answer: A**

#### **QUESTION 145**

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

- A. The datastore has Storage I/O Control disabled.
- B. The datastore is connected to an unsupported host.

- C. The datastore is hosted on an NFS server.
- D. The datastore is hosted on an iSCSI server.

**Answer: AB**

**QUESTION 146**

What are two ways to view the DNS settings for an ESXi 6.x host? (Choose two.)

- A. Use the vicfg-dns command from the vSphere Management Appliance.
- B. View the /etc/resolv.conf file on the ESXi host.
- C. Use vicfg-dns command on the ESXi host.
- D. View the /etc/dns.conf file on the ESXi host.

**Answer: AB**

**QUESTION 147**

After configuring a Virtual SAN cluster, an administrator using the vSphere Web Client notices that the Virtual SAN datastore is smaller than expected. The cluster contains:

- Three ESXi hosts
- Each host has one 10 GB SDD
- Each host has one 100 GB HDD

Why would the Virtual SAN datastore show as 100 GB instead of 300 GB?

- A. There is a network problem with the Virtual SAN vmkernel ports.
- B. The Virtual SAN VASA provider is disabled.
- C. vSphere High Availability is enabled on the Virtual SAN cluster.
- D. The Virtual SAN cluster must be managed using the vSphere Web Client.

**Answer: A**

**QUESTION 148**

An administrator tries to capture network traffic for a virtual machine, but cannot see the expected traffic in the packet capture tool. Which step can resolve the problem?

- A. Migrate the virtual machine to a Distributed Virtual Switch.
- B. Enable Promiscuous Mode on the relevant port group.
- C. Modify the default value of MAC Address changes.
- D. Enable Forged Transmits on the virtual machine.

**Answer: B**

**QUESTION 149**

An administrator creates a Private VLAN with a Primary VLAN ID of 2. The administrator then creates three Private VLANs as follows:

- Marketing
  - \* PVLAN ID: 4
  - \* PVLAN Type: Isolated
- Accounting
  - \* PVLAN ID: 5
  - \* PVLAN Type: Community
- Secretary
  - \* PVLAN ID: 17
  - \* PVLAN Type: Isolated

Users in the Accounting PVLAN are reporting problems communicating with servers in the Marketing PVLAN. Which two actions could the administrator take to resolve this problem? (Choose two.)

- A. Change the PVLAN type for the Accounting network to Promiscuous.
- B. Change the PVLAN ID for the Accounting network to 2.
- C. Change the PVLAN type for Marketing network to Promiscuous.
- D. Change the PVLAN ID for Accounting network to 4.

**Answer: AB**

**QUESTION 150**

An administrator attempts to place a Storage DRS enabled Datastore into Maintenance Mode. The task never completes, and the Entering Maintenance Mode status remains at 1%. Which two actions should the administrator take to resolve this problem? (Choose two.)

- A. Set the Storage DRS advanced option IgnoreAffinityRulesForMaintenance = 1.
- B. Set the Storage DRS advanced option IgnoreAffinityRulesForMaintenance = 0.
- C. Disable Storage DRS affinity rules associated with this datastore cluster.
- D. Enable Storage DRS affinity rules associated with this datastore cluster.

**Answer: AC**

**QUESTION 151**

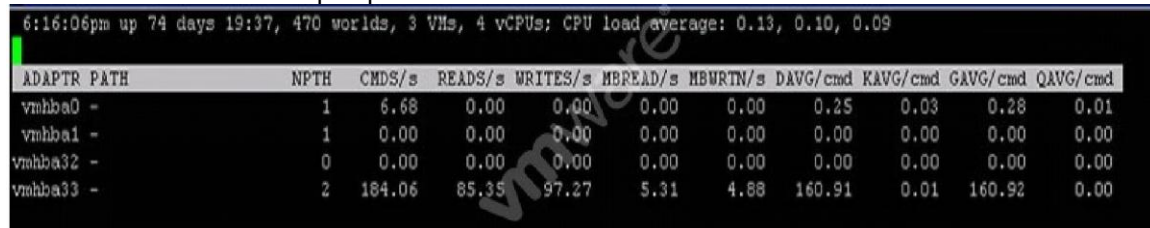
Which two scenarios could cause Storage DRS to be disabled on a Virtual Disk (VMDK)? (Choose two.)

- A. The VMDK is an independent disk.
- B. The virtual machine has vSphere Fault Tolerance enabled.
- C. The VMDK is hosted on NFS storage.
- D. The virtual machine has a CD-ROM/ISO image connected.

**Answer: AB**

**QUESTION 152**

An administrator is using the esxtop command to troubleshoot storage performance issues on a virtual machine. The esxtop capture is shown in the exhibit:



ADAPTR	PATH	NPTH	CMDS/s	READS/s	WRITES/s	MBREAD/s	MBWRIT/s	DAVG/cmd	KAVG/cmd	GAVG/cmd	QAVG/cmd
vmhba0	-	1	6.68	0.00	0.00	0.00	0.00	0.25	0.03	0.28	0.01
vmhba1	-	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba32	-	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba33	-	2	184.06	85.35	97.27	5.31	4.88	160.91	0.01	160.92	0.00

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

- A. The iSCSI device is experiencing high latency.
- B. The ESXi kernel is experiencing high latency.
- C. The Guest OS is experiencing high latency and response time.
- D. The NFS device is experiencing high latency.

**Answer: AC**



**QUESTION 153**

An administrator is unable to upgrade a vCenter Server Appliance from version 5.1 Update 2 to version 6.0. What is a likely reason for this?

- A. vCenter Server Appliance 6.0 does not support upgrades from version 5.1 Update 2.
- B. vCenter Server Appliance must be joined to an Active Directory domain before upgrading to version 6.0.
- C. vCenter Server Appliance 5.1 Update 2 uses an incompatible database for upgrading to version 6.0.
- D. vCenter Server Appliance 6.0 must be upgraded using the vSphere Web Client.

**Answer: A**

**QUESTION 154**

An administrator has migrated a vCenter Server Appliance from version 5.5 to version 6.x. During the migration, the administrator selected DHCP for the appliance and obtained a hostname from the DHCP server. The administrator adjusts the hostname after the migration and uses a static IP and hostname. What should the administrator do immediately after this change to prevent service failures?

- A. Regenerate the SSL certificates.
- B. Re-register components to Single Sign-On.
- C. Update the /etc/hosts file.
- D. Execute the command `services.restart vmware-vpxd`.

**Answer: A**

**QUESTION 155**

An administrator is unable to patch an ESXi 6.x host using VMware Update Manager. What is an alternative option for patching a host?

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

**Answer: A**

**QUESTION 156**

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

- A. `vminst.log`
- B. `vim-vcs-msi.log`
- C. `pkgmgr.log`
- D. `vc-upgrade.log`
- E. `firstboot.log`

**Answer: ABC**

**QUESTION 157**

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?

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

**Answer: A**

**QUESTION 158**

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?

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

**Answer: A**

**QUESTION 159**

An administrator is troubleshooting a CPU performance issue for a virtual machine. Which three esxtop counters may demonstrate CPU contention? (Choose three.)

- A. %RDY
- B. %RUN
- C. %MLMTD
- D. %WAIT
- E. %CSTP

**Answer: ACE**

**QUESTION 160**

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: 96 GB  
ESXi host:  
CPU: 2 x 8 Core Processors  
Memory: 128 GB  
NUMA architecture. 2 Nodes
```

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

- A. Enable the advanced parameter Numa.PageMigEnable.

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

**Answer: BC**

**QUESTION 161**

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?

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

**Answer: A**

**QUESTION 162**

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

- ESXi version: 5.1
- CPU: vCPUs 6
- Memory: 48 GB
- Hardware version: 7
- VMware Tools: Installed

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

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

**Answer: BC**

**QUESTION 163**

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?

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

**Answer: A**

**QUESTION 164**

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.)

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

**Answer: CD**

**QUESTION 165**

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?

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

**Answer: C**

**QUESTION 166**

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.)

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

**Answer: AD**

**QUESTION 167**

An administrator is troubleshooting a virtual machine performance issue using vRealize Operations. Which two badges would help to identify possible resource contention concerns? (Choose two.)

- A. Health > Workload
- B. Health > Faults
- C. Risk > Time Remaining

D. Risk > Stress

**Answer: AD**

**QUESTION 168**

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.)

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

**Answer: ABC**

**QUESTION 169**

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.)

- A. Wait
- B. Ready
- C. Core Utilization
- D. Co-Stop

**Answer: BD**

**QUESTION 170**

An administrator tries to run esxtop to troubleshoot CPU performance issues, but no output is displayed. How can the issue be resolved?

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

**Answer: B**

**QUESTION 171**

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

```
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	GRID NAME	NWLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVRLE	%CSTP	%MLMTD	%SWPWT
20672602	20672602 SlowVM	10	202.81	203.52	0.60	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

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

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

**Answer: BCE**

#### QUESTION 172

Examine the esxtop command output shown in the exhibit. Which option would improve application performance for the SlowVM virtual machine?

```
5:43:32pm up 16 days 1:17, 500 worlds, 2 VMs, 2 vCPUs; CPU load average: 0.15, 0.26, 0.41
PCPU USED(%): 2.8 4.5 4.9 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	%OVRLP	%CSTP	%LMID	%SWPMT
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

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

**Answer: D**

#### QUESTION 173

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.)

- A. Increase the memory reservation of the virtual machine.
- B. Increase the CPU Shares on the resource pool where the virtual machine resides.
- C. Decrease the CPU reservation of the virtual machine.
- D. Increase the CPU limit on the resource pool where the virtual machine resides.

**Answer: BD**

#### QUESTION 174

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?

- A. High Performance
- B. Balanced
- C. Low Power
- D. Disabled

**Answer: A**

#### QUESTION 175

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

**Answer: B**

**QUESTION 176**

What is the name of the High Availability agent log?

- A. fdm.log
- B. ha.log
- C. vpxa.log
- D. aam.log

**Answer: A**

**QUESTION 177**

An administrator is attempting to enable Legacy Fault Tolerance (FT) on a virtual machine and observes the following in the vSphere Web Client:

"Fault Tolerance has not been licensed on host <hostname>."

What is the minimum licensed edition that supports this configuration?

- A. Standard
- B. Enterprise
- C. Enterprise Plus
- D. Essentials Plus

**Answer: A**

**QUESTION 178**

An administrator is attempting to enable Fault Tolerance on a virtual machine with 4 vCPUs and observes the following in the vSphere Web Client:

"Fault Tolerance has not been licensed on host <hostname>."

What is the minimum licensed edition that supports this configuration?

- A. Enterprise
- B. Enterprise Plus
- C. Standard
- D. Essentials Plus

**Answer: A**

**QUESTION 179**

When attempting to place a datastore in Maintenance Mode, the task remains at 1%. What are two potential causes for this? (Choose two.)

- A. Storage DRS is disabled on one or more virtual machine(s) disk(s).
- B. Storage DRS rules prevent migration recommendations for the disk.
- C. Storage DRS datastores have insufficient space to accommodate failover.
- D. Storage DRS provisioning network has been limited with I/O control policies.

**Answer: AB**

**QUESTION 180**

What are two likely causes for a DRS cluster to become unbalanced? (Choose two.)

- A. Migration threshold is too low.
- B. Affinity rules are preventing virtual machines from being moved.
- C. A device is mounted to a virtual machine preventing vMotion.
- D. Migration cost is too low.

**Answer: BC**

**QUESTION 181**

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

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

**Answer: AB**

**QUESTION 182**

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

**Answer: ABC**

**QUESTION 183**

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?

- A. Increase the number of vCPUs for PVMAPP\_0.
- B. Increase the allocation of memory for PVMAPP\_0.
- C. Increase the Memory limit for PVMAPP\_0.
- D. Increase the reservation in MHz for vCPUs for PVMAPP\_0.

**Answer: A**

**QUESTION 184**

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

- A. Processor Serial Number
- B. Security Identifier
- C. SMBIOS information
- D. BIOS UUID

**Answer: CD**

**QUESTION 185**

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?

- A. Restore Network Settings
- B. Test Management Network
- C. Restart Management Network
- D. Network Restore Options

**Answer: C**

**QUESTION 186**

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?

- A. Set-EsxImageProfile
- B. Export-EsxImageProfile
- C. Save-EsxImageProfile
- D. Preserve-EsxImageProfile

**Answer: B**

**QUESTION 187**

Which two are valid compliance results that indicate the need to apply a Host Profile? (Choose two.)

- A. Non-compliant
- B. Inconsistent
- C. Unknown
- D. Disconnected

**Answer: AC**

**QUESTION 188**

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?

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

**Answer: B**

**QUESTION 189**

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?

- A. 0
- B. 1
- C. 2
- D. 3

**Answer: A**

**QUESTION 190**

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?

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

**Answer: D**

**QUESTION 191**

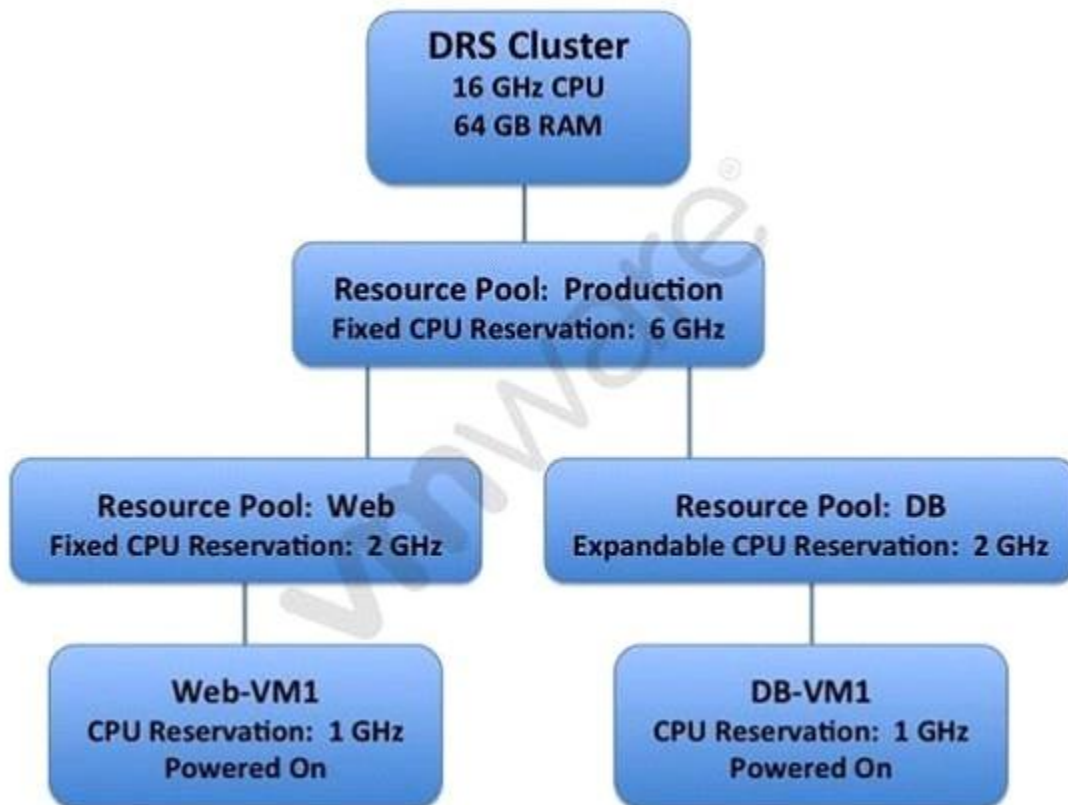
An administrator needs to recover disk space on a previously-used thin provisioned virtual disk. The volumes where the administrator needs to recover the disk blocks are on VAAI-compliant storage arrays. Which two actions should the administrator take accomplish this task? (Choose two.)

- A. 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.
- B. Use VMware Converter to migrate the virtual machine to a new datastore. This will recreate the volumes and recover all unused space.
- C. Issue the vmkfstools -vmfs unmap command within the VMFS volume directory on the ESXi host console.
- D. Execute the esxcli storage vmfs unmap command.

**Answer: BD**

**QUESTION 192**

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



Based on the exhibit, which statement is true?

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

**Answer: C**

**QUESTION 193**

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?

- A. Das.isolationaddress0=192.168.1.2
- B. Das.useisolationaddress0=192.168.1.2
- C. Das.defaultisolationaddress0=192.168.1.2
- D. Das.haisolationaddress0=192.168.1.2

**Answer: A**

**QUESTION 194**

How does vSphere High Availability calculate the memory slot size of a virtual machine?

- A. Virtual machine memory reservation + overhead of largest virtual machine
- B. Virtual machine memory reservation - overhead of largest virtual machine
- C. Virtual machine memory reservation + overhead of smallest virtual machine
- D. Virtual machine memory reservation - overhead of smallest virtual machine

**Answer: A**

**QUESTION 195**

An administrator receives the error message shown in the exhibit:

The number of vSphere HA heartbeat datastores for this host is 1, which is less than required: 2

Which two actions can be taken to clear the warning? (Choose two.)

- A. Add a Virtual SAN datastore and configure it for High Availability heartbeating.
- B. Set the advanced High Availability parameter Das.heartbeatdsperhost to 1.
- C. Set the advanced High Availability parameter Das.ignoreInsufficientHbDatastore to true.
- D. Add a shared datastore and reconfigure High Availability.

**Answer: CD**

**QUESTION 196**

In a vSphere High Availability cluster, what is the VM Monitoring I/O stats interval default value?

- A. 60 seconds
- B. 90 seconds
- C. 120 seconds
- D. 180 seconds

**Answer: C**

**QUESTION 197**

An administrator enables High Availability (HA) on a Virtual SAN cluster. There are four vmkernel port groups with the following IP addresses assigned:

- Management: 192.168.12.10
- vMotion: 192.168.13.10
- Virtual SAN: 192.168.14.10
- Fault Tolerance: 192.168.15.10

Which IP address will HA use for traffic?

- A. 192.168.12.10
- B. 192.168.13.10
- C. 192.168.14.10
- D. 192.168.15.10

**Answer: C**

**QUESTION 198**

An administrator wants to configure a High Availability cluster to allow virtual machines a 10 minute window to shut down in the event of a Host Isolation incident. What two configuration settings would satisfy this requirement? (Choose two.)

- A. Set the advanced option das.isolationshutdowntimeout = 10.
- B. Set the advanced option das.isolationshutdowntimeout = 600.
- C. Configure Host Isolation Response to Shut Down and Restart VMs.
- D. Configure Host Isolation Response to Power Off and Restart VMs.

**Answer: BC**

**QUESTION 199**

A vSphere 6 High Availability cluster has been configured with default settings. Four virtual machines in the cluster have been configured with these priorities:

- Prod-DB: High
- Prod-Email: High
- Prod-VC: Medium
- Dev-VDI: Low

How many VM Overrides would need to be defined at the cluster level to meet the restart priorities?

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

**Answer: B**

**QUESTION 200**

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.)

- A. Host Monitoring
- B. VM Restart Priority

- C. Virtual machine Monitoring
- D. Response for Host Isolation

**Answer: AB**

**QUESTION 201**

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

- A. Issue Events
- B. Power off and restart virtual machines
- C. Reset virtual machines
- D. Leave Powered On

**Answer: AB**

**QUESTION 202**

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

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

**Answer: AC**

**QUESTION 203**

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.)

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

**Answer: BD**

#### QUESTION 204

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?

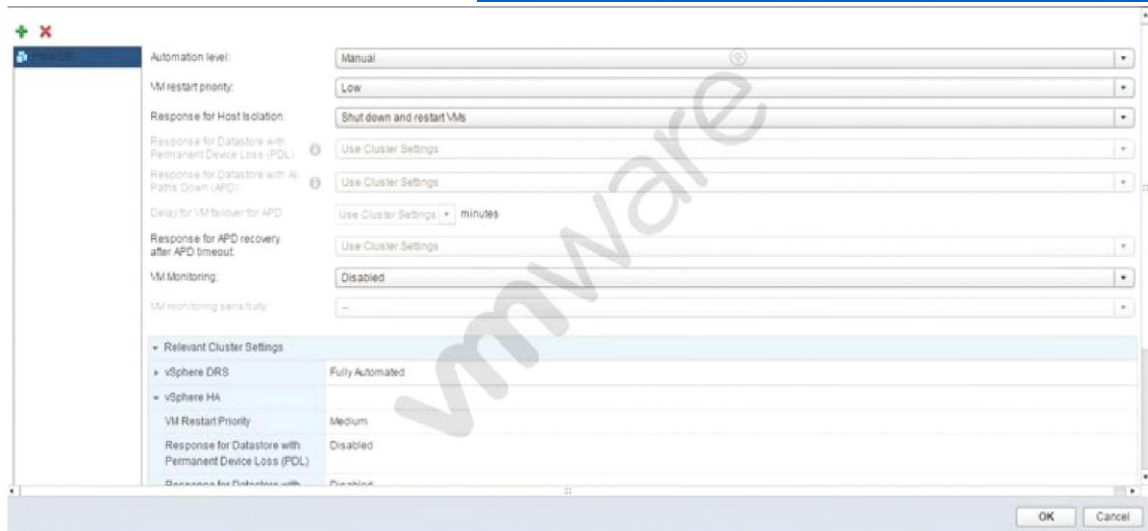
- A. Set VM Overrides to Partially Automated.
- B. Set VM Overrides to Manual.
- C. Configure a VM/Host Rule with the setting Must run on hosts in group.
- D. Configure a VM/Host Rule with the setting Should run on hosts in group.

**Answer: B**

#### QUESTION 205

The Prod-DB virtual machine has a VM Override as shown in the exhibit:





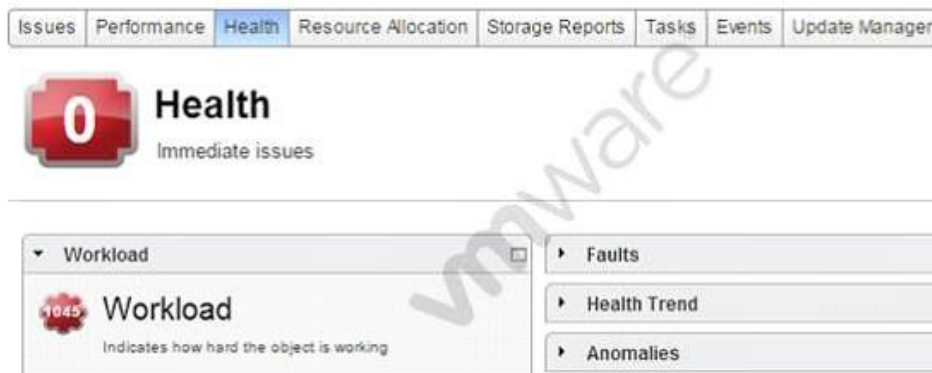
What step, if taken, would require all virtual machines in the cluster to migrate automatically?

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

**Answer: D**

#### QUESTION 206

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.)

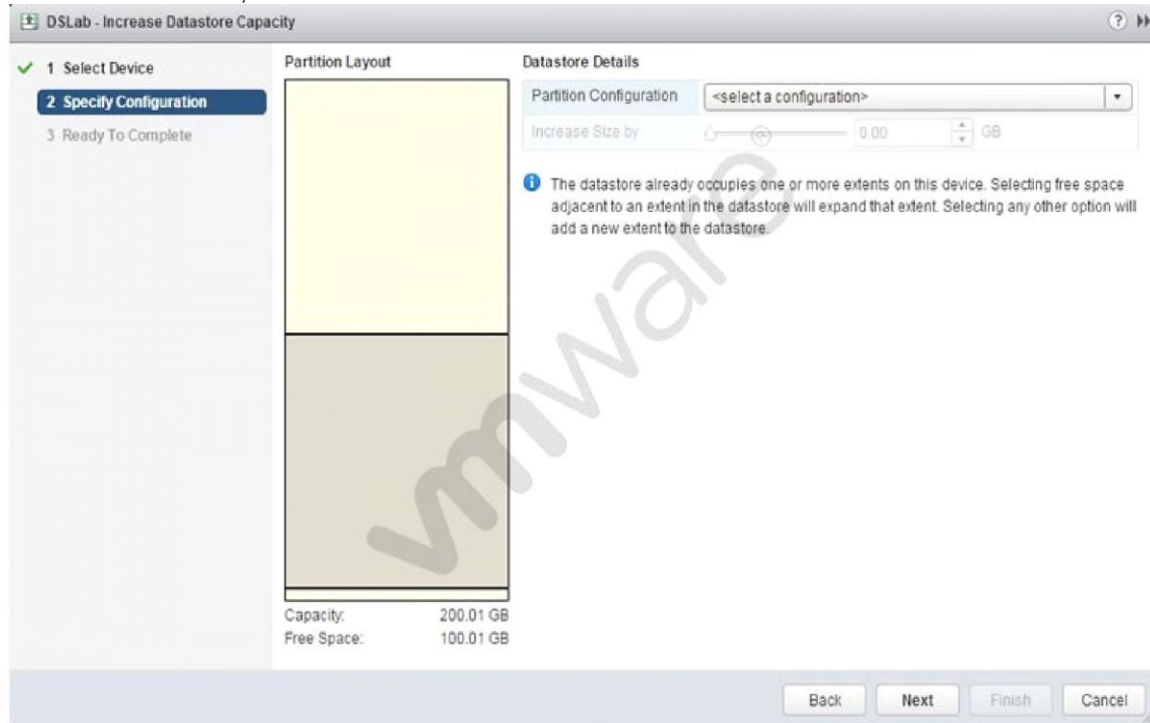
- A. CPU
- B. Memory
- C. Network I/O
- D. Threads
- E. vNUMA Stats

**Answer: ABC**

#### QUESTION 207



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:



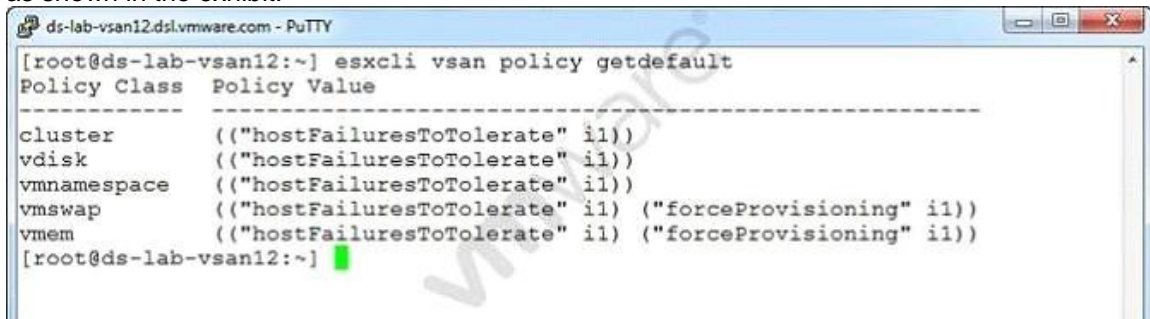
How should the administrator resolve this problem?

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

**Answer: A**

### QUESTION 208

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.)

- A. Losing one cluster node will not affect data availability.
- B. Losing one Hard Disk in a cluster node will not affect data availability.

- C. Creating a virtual machine Swap file will fail if it violates default storage policy.
- D. Creating a virtual machine will succeed even if it violates default storage policy.

**Answer: AB**

**QUESTION 209**

A Storage Policy for a Virtual SAN is set to the default policy, as shown in 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 2

Number of disk stripes per object 3

<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

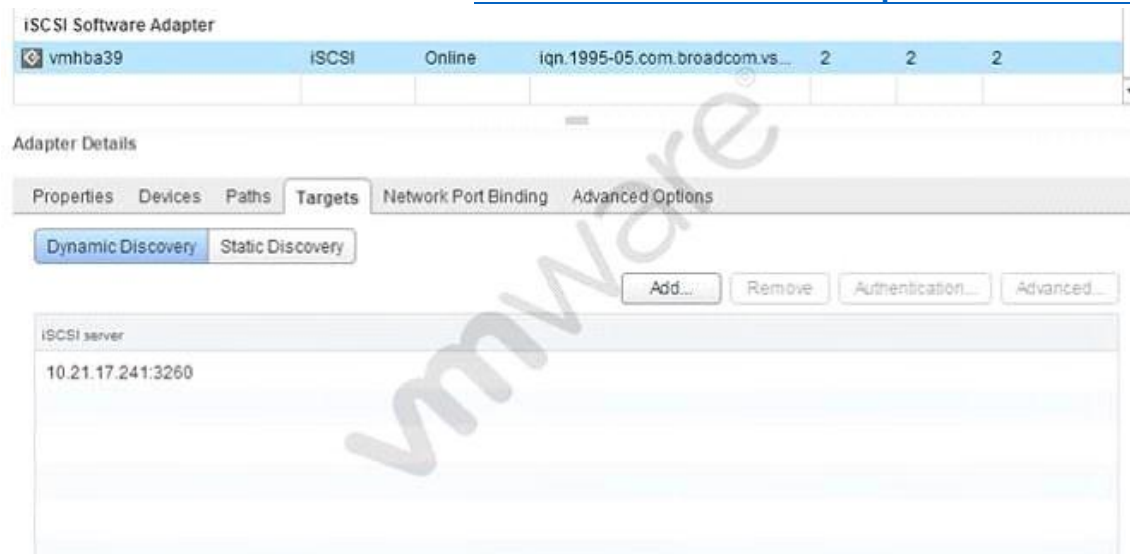
Which change would reduce the storage consumption by one third?

- A. Number of failures to tolerate = 1
- B. Number of disk stripes per object = 2
- C. Number of failures to tolerate = 3
- D. Number of disk stripes per object = 1

**Answer: A**

**QUESTION 210**

Which tab shows the Hardware Acceleration support status?



- A. Devices
- B. Properties
- C. Paths
- D. Advanced Options

**Answer: A**

#### QUESTION 211

```
7:03:33pm up 17 days 6:15, 750 worlds, 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:

```

115112123 up 44 days  1.0M, 300 MB free, 1.0M, 0.0M; CPU 1.0% average: 1.0M, 1.0M, 1.0M
115123 DRAIN():  00 00 00 00 00 00 00
115123 DRAIN():  00 00 00 00 00 00 00
115123 DRAIN():  00 00 00 00 00 00 00

```

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

```
00:00:32pm up 17 days, 5:55, 750 worlds, 21 Vm, 67 vCPUs; CPU load average: 0.17, 0.24, 0.28
Power Usage: 150W, Power Caps: N/A
STATS MIB:

CPU WORKED MIB1 MIB2 MIB3 MIB4 MIB5
0 8.0 17.5 18 52 30
1 4.9 11.9 12 45 39
2 7.7 15.3 16 43 21
3 3.3 8.0 8 36 26
4 9.2 19.0 19 64 27
5 3.5 9.4 9 43 26
6 5.2 11.6 11 67 21
7 6.8 14.1 14 54 32
8 4.8 10.6 11 77 12
9 4.4 9.4 9 35 25
10 3.2 7.6 8 36 14
11 3.5 8.0 8 33 33
12 13.8 26.8 24 39 41
13 7.4 14.9 15 25 50
14 13.6 26.4 26 26 48
15 5.6 7.9 8 44 48
16 6.6 13.3 13 23 43
17 5.5 7.5 7 31 42
18 6.4 12.5 12 30 35
19 3.6 7.2 7 19 46
20 2.7 5.7 6 27 33
21 5.2 9.4 10 15 72
22 4.5 8.7 9 33 50
23 4.6 8.5 9 31 31
```

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

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

**Answer: AB**

### QUESTION 212

An administrator has recently configured HA on a cluster. After reviewing the summary tab on one of the hosts, the warning is displayed:

"This host currently has no management network redundancy."

The administrator proceeds to view the management network port group data shown in exhibit 1:

**vSwitch0 - Edit Settings**

Properties

Security

Traffic shaping

**Teaming and failover**

Load balancing: Route based on originating virtual port

Network failure detection: Link status only

Notify switches: Yes

Failback: Yes

Failover order

Active adapters

vmnic1

vmnic0

Standby adapters

Unused adapters

Adapter: Intel Corporation 82545EM Gigabit Ethernet Controller (Copper)

Name: vmnic0

Location: PCI 02:00.0

Driver: e1000

The administrator then views the management network vSwitch as shown in exhibit 2:



Based on the exhibits, which two steps should be taken to ensure redundancy on the management network? (Choose two.)

- A. Move vmnic1 to Standby adapters.
- B. Add an additional vmnic to the Network Adapters and move it to Active adapters.
- C. Set the advanced HA configuration parameter das.ignoreRedundantNetWarning to True.
- D. Uncheck the Override Failover Checkbox on the management network port group.

**Answer: AD**

#### QUESTION 213

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

Storage Adapters:

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

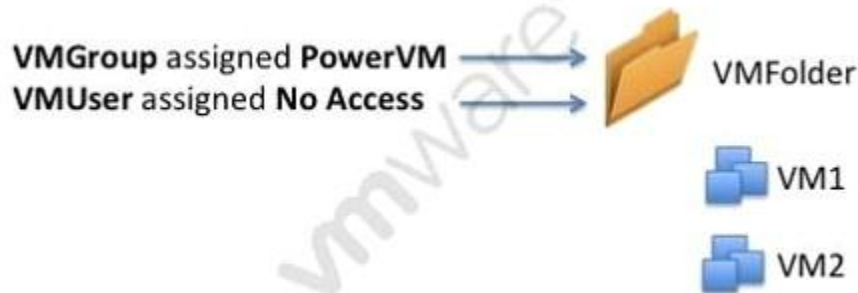
What is a likely reason for this status?

- A. The host bus adapter is not associated with a vmknfc.
- B. The Dynamic Target Discovery was not configured.
- C. The Static Target Discovery was not configured.
- D. The host bus adapter is not associated with a vmnic.

**Answer: A**

#### QUESTION 214

An administrator has configured permissions for a group called VMGroup and a user named VMUser. A new Role has been created called PowerVM.



The group and role have these characteristics:

- PowerVM role can power on VMs
- VMGroup granted PowerVM role on VMFolder
- VMUser is a member of VMGroup
- VMUser granted No Access on VMFolder

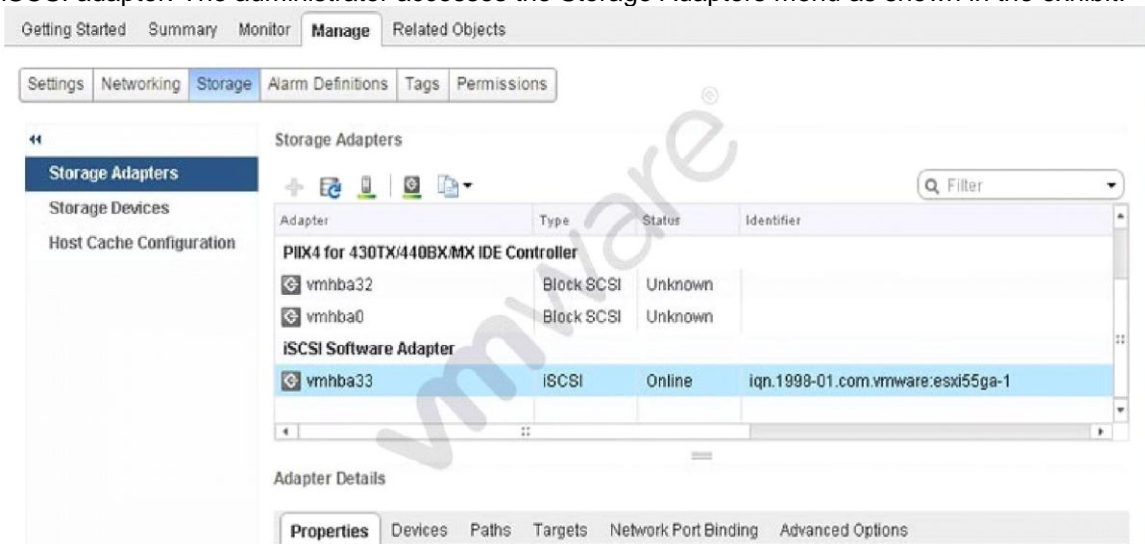
Based on the exhibit, which statement best explains why VMUser is denied access to the VMFolder?

- A. The VMUser permission overrides the VMGroup permission.
- B. The No Access role overrides the PowerVM role.
- C. The VMGroup permission overrides the VMUser permission.
- D. The PowerVM role overrides the No Access role.

**Answer: A**

#### QUESTION 215

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?

- A. Properties
- B. Advanced Options
- C. Targets



D. Devices

**Answer: A**

**QUESTION 216**

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.)

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

**Answer: ABC**

**QUESTION 217**


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

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

- A. HA will not failover Marketing to ESXi hosts that are not in the Host Group.
- B. HA will failover Marketing to ESXi hosts that are not in the Host Group.
- C. DRS will attempt to keep Marketing on the ESXi host 10.21.38.106.
- D. DRS will not attempt to keep Marketing on the ESXi host 10.21.28.106.

**Answer: BD**

**QUESTION 218**

An administrator has configured a firewall rule as shown in 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
<b>Required Services</b>				
Secure Shell				
<input type="checkbox"/> SSH Client		22	TCP	N/A
<input checked="" type="checkbox"/> 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

Enter a comma-separated list of IP addresses. E.g.: 111.111.111.111, 111.111.111/22

OK

Cancel

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

- A. 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.
- B. Connections coming from IP addresses from the 192.168.1.0 network and 192.168.2.220 on port 22 are allowed.
- C. TCP Connections coming from IP addresses from the 192.168.1.0 network and 192.168.2.220 on port 22 are not allowed.
- D. 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.

**Answer: B**

#### QUESTION 219

What is the highest object level from which a virtual machine can inherit privileges?

- A. Host Folder
- B. Data Center
- C. Data Center Folder
- D. VM Folder

**Answer: C**

#### QUESTION 220

Which three Authorization types are valid in vSphere? (Choose three.)

- A. Group Membership in vsphere.local
- B. Global
- C. Forest

- D. vCenter Server
- E. Group Membership in system-domain

**Answer: ABD**

**QUESTION 221**

Which three components should an administrator select when configuring vSphere permissions? (Choose three.)

- A. Inventory Object
- B. Role
- C. User/Group
- D. Privilege
- E. Password

**Answer: ABC**

**QUESTION 222**

In which two vsphere.local groups should an administrator avoid adding members? (Choose two.)

- A. SolutionUsers
- B. Administrators
- C. DCAdmins
- D. ExternalPDUsers

**Answer: AB**

**QUESTION 223**

An administrator has configured three vCenter Servers and vRealize Orchestrator within a Platform Services Controller domain, and needs to grant a user privileges that span all environments. Which statement best describes how the administrator would accomplish this?

- A. Assign a Global Permission to the user.
- B. Assign a vCenter Permission to the user.
- C. Assign vsphere.local membership to the user.
- D. Assign an ESXi Permission to the user.

**Answer: A**

**QUESTION 224**

Which command shows the Physical Uplink status for a vmnic?

- A. esxcli network ip get
- B. esxcli network nic list
- C. esxcli network vmnic list
- D. esxcli network ifconfig get

**Answer: B**

**QUESTION 225**

An administrator decides to change the root password for an ESXi 6.x host to comply with the company's security policies. What are two ways that this can be accomplished? (Choose two.)

- A. Use the Direct Console User Interface to change the password.
- B. Use the passwd command in the ESXi Shell.
- C. Use the password command in the ESXi Shell.
- D. Use the vSphere client to update local users.

**Answer: AB**

**QUESTION 226**

An administrator connects to an ESXi 6.x host console in order to shutdown the host. Which option in the Direct Console User Interface would perform this task?

- A. Press the F12 key
- B. Press the F2 key
- C. Press Alt + F1 simultaneously
- D. Press Alt + F2 simultaneously

**Answer: A**

**QUESTION 227**

An administrator is able to manage an ESXi 6.x host connected to vCenter Server using the vSphere Web Client but is unable to connect to the host directly. Which action should the administrator take to correct this behavior?

- A. Restart management agents on the ESXi host.
- B. Disable Lockdown Mode on the ESXi host through vCenter Server.
- C. Disable the ESXi firewall with the command `esxcli network firewall unload`.
- D. Reboot the ESXi host.

**Answer: B**

**QUESTION 228**

An administrator creates a custom ESXi firewall rule using an XML file, however the rules do not appear in the vSphere Web Client. Which action should the administrator take to correct the problem?

- A. Load the new rules using `esxcli network firewall reload`.
- B. Load the new rules using `esxcli network firewall refresh`.
- C. Verify the entries in the XML file and then reboot the ESXi host.
- D. Remove the ESXi host from the inventory and add it back.

**Answer: B**

**QUESTION 229**

An administrator needs two vCenter Servers to be visible within a single vSphere Web Client session. Which two vCenter Server and Platform Services Controller (PSC) configurations would accomplish this? (Choose two.)

- A. Install a single PSC with two vCenter Servers registered to it.
- B. Install two PSCs in the same Single Sign-On domain with one vCenter Server registered to each PSC.
- C. Install a single PSC with two vCenter Servers registered to it and configure Linked Mode.
- D. Install two PSCs in the same Single Sign-On domain with one vCenter Server registered to each PSC and

configure Linked Mode.

**Answer: AB**

**QUESTION 230**

Your management has asked you to project your anticipated virtual machine storage needs over the next 18 months. Which technology would help provide the required information?

- A. vCenter Site Recovery Manager
- B. vCenter Operations Manager
- C. vCenter Update Manager
- D. vCenter Configuration Manager

**Answer: B**

**QUESTION 231**

What is an availability challenge that vSphere can address?

- A. Virtual machines can be proactively migrated when a server failure is imminent.
- B. Hardware maintenance can be performed at any time without application impact.
- C. More servers can be deployed to provide higher availability.
- D. Disaster recovery is greatly simplified.

**Answer: A**

**QUESTION 232**

What are two benefits of datacenter virtualization? (Choose two.)

- A. Less data to back up.
- B. Less CPU power required for a given application.
- C. More efficient use of resources.
- D. Same hardware footprint for every machine.

**Answer: CD**

**QUESTION 233**

Your company is planning to migrate your datacenter to a new location, but they wish to minimize downtime during the transition. You are entirely virtualized at your primary datacenter, and have been given funding to acquire new hardware for the new datacenter. Which of the following products can help you migrate the VMs to the new datacenter?

- A. vCenter Operations Manager
- B. vCenter Configuration Manager
- C. vCenter Site Recovery Manager
- D. vCenter Converter

**Answer: C**

**QUESTION 234**

What is a feature of vSphere?

- A. Distributed Power Management

- B. Distributed Resource Management
- C. Distributed Power Scheduler
- D. Distributed Resource Protection

**Answer: A**

**QUESTION 235**

You are discussing virtual networking with a colleague. She asks you which type of virtual switch supports the advanced networking option called Port Mirroring. Which of the following is the correct answer?

- A. Extended virtual switch
- B. Distributed virtual switch
- C. Standard virtual switch
- D. Enterprise virtual switch

**Answer: B**

**QUESTION 236**

An administrator notices that the time on an ESXi 6.x host is incorrect. Which two actions should the administrator take to correct this issue? (Choose two.)

- A. Modify the time for the host using the vSphere client.
- B. Correct the NTP settings in the /etc/ntp.conf file.
- C. Configure NTP from the Direct Console User Interface.
- D. Use the vicfg-ntp command from the vSphere Management Appliance.

**Answer: AB**

**QUESTION 237**

Which two partitions are used for the VMware vCenter Server Appliance embedded vPostgres database? (Choose two.)

- A. /storage/seat/
- B. /storage/netdump/
- C. /storage/db/
- D. /storage/core/

**Answer: CD**

**QUESTION 238**

A company has requested that a plan for Auto Deploy be built using VMware-recommended best practices for networking. Which two considerations adhere to VMware-recommended networking best practices for Auto Deploy? (Choose two.)

- A. Using IPv4 as Auto Deploy will be able to boot hosts with a legacy BIOS.
- B. Using DHCP reservations for address allocations because providing fixed IP addresses through host customization is not supported.
- C. Using VLANs on the management network as it offers increased performance while hosts are booting.
- D. Using IPv6 as Auto Deploy will be able to boot hosts with a legacy BIOS and UEFI.
- E. Using DHCP reservations for address allocations because providing fixed IP addresses through host customization is not recommended.

**Answer: DE**

**QUESTION 239**

Which three prerequisites must be in place prior to enabling secure boot for a virtual machine? (Choose three.)

- A. VirtualMachine.Config.Settings privileges
- B. an encrypted USB drive
- C. Virtual Hardware version 13 or later
- D. Virtual Hardware version 12 or later
- E. EFI firmware

**Answer: ACE**

**QUESTION 240**

Which two situations could cause a virtual machine to appear with (orphaned) appended to its name? (Choose two.)

- A. if a host failover is unsuccessful
- B. if a virtual machine was removed from vCenter Server's inventory
- C. if a virtual machine was deployed from template, and the template has been deleted
- D. if a virtual machine is unregistered directly on the host

**Answer: AD**

**QUESTION 241**

Which iSCSI initiator type can be used with any network interface card?

- A. Software iSCSI initiator
- B. Software FCoE adapter
- C. Hardware Independent iSCSI initiator
- D. HardwareDependent iSCSI initiator

**Answer: A**

**QUESTION 242**

Which setting will allow a virtual machine to have direct secure access to an RDM?

- A. NIOC
- B. NPV
- C. NPIV
- D. CPUID Mask

**Answer: C**

**QUESTION 243**

An administrator wants to upgrade ESXi 5.5 hosts to ESXi 6.5 using Update Manager. When performing a scan for baseline compliance, the host's status is marked Compliant. Which has happened?

- A. Host must be version 6.0 in order to upgrade to 6.5.

- B. Host has some third-party software installed.
- C. Host has no upgradebaseline attached.
- D. Host hardware is not supported for upgrade.

**Answer: C**

**QUESTION 244**

Which is the maximum number of block devices (LUNs) that are supported by ESXi hosts that are running version 6.5?

- A. 1024
- B. 512
- C. 2048
- D. 256

**Answer: B**

**QUESTION 245**

An ESXi host's VMCA-Signed certificate has expired. How can the certificate be renewed?

- A. In the vSphere Web Client, browse to the host in question.  
Click the Manage tab and select settings.  
Select System and click Certificate, then click the Renew button.
- B. In the vSphere Web Client, browse to the host in question.  
Click the Manage tab and select settings.  
Select System and click Certificate, then click the Refresh CA Certificates button.
- C. Run the command /sbin/generate-certificates on the affected host.
- D. Disconnect the host from vCenter Server and reconnect it.

**Answer: D**

**QUESTION 246**

Where would a vSphere administrator find general vCenter Server logs on a vCenter Server Appliance?

- A. /var/log/vmware/vpxd/
- B. /var/log/messages
- C. /etc/vmware-vpx/
- D. /var/log/vmware/vsan-health/

**Answer: A**

**QUESTION 247**

An administrator notices that a virtual machine running SQL Server is not performing as expected:  
"vmware.log> vmx| W110: NUMA and VCPU hot add are incompatible. Forcing UMA"

How can the administrator resolve this issue?

- A. Power off the virtual machine and disable vCPU hot plug.
- B. Reinstall VMware Tools.
- C. Modify the .vmx file to force NUMA and vCPU hot add to function.
- D. Install third party plug-in to enable NUMA and vCPU hot add to function.

**Answer: A**

**QUESTION 248**

Which are two Storage DRS requirements? (Choose two.)

- A. Datastore clusters must have datastores of the same size and I/O capacities.
- B. NFS and VMFS datastores cannot be combined in the same datastore cluster.
- C. Datastores shared across multiple datacenters cannot be included in a datastore cluster.
- D. NFS and vSAN datastores can be combined in the same datastore clusters.
- E. A dedicated TCP/IP stack is required for datastore clusters.

**Answer: BC**

**QUESTION 249**

An administrator has upgraded to vSphere 6.5 and also wants to use Kerberos authentication for NFS. Which can be done to the existing NFSv3 volumes to enable this feature?

- A. Perform a storage rescan on VMFS volumes.
- B. Unmount the NFSv3 datastore, and then mount as NFSv4.1 datastore.
- C. Nothing. All NFSv3 mounted datastores are upgraded automatically during vSphere upgrades.
- D. Perform a scan of new storage devices.

**Answer: B**

**QUESTION 250**

Which is the block size on the VMFS6 datastore?

- A. All small and large file blocks are 8 MB.
- B. All small and large file blocks are 1 MB.
- C. Small file blocks are 512 KB, large file blocks are 64 MB.
- D. Small file blocks are 1 MB, large fileblocks are 512 MB.

**Answer: B**

**QUESTION 251**

Which two statements are true about Permanent Device Loss (PDL)? (Choose two.)

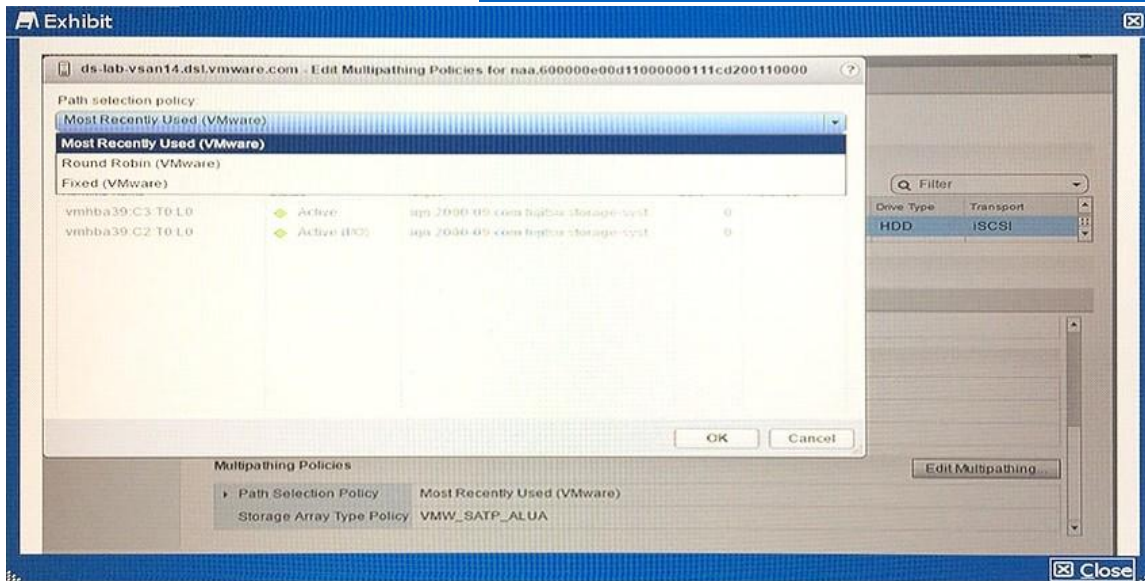
- A. All paths are shown as Dead for the affected device.
- B. The datastore cluster is incorrectly configured.
- C. The datastore on the affected device shown a yellow warning sign.
- D. The datastore on the affected device shows a red error sign.
- E. The operational state of the affected device changes to Lost Communication.

**Answer: AB**

**QUESTION 252**

Examine the LUN properties that are shown in the exhibit:





Which action should be taken to utilize all active paths?

- A. Change PSP to Most Recently Used.
- B. No action required. All paths are already utilized.
- C. Change PSP to Fixed.
- D. Change PSP to Round Robin.

**Answer: D**

#### QUESTION 253

An administrator attempts to manually reclaim space on thin-provisioned VMFS6 volumes but finds that no additional space is being recovered. Which could be causing this?

- A. vSphere 6.5 does not support manual UNMAP.
- B. The manual UNMAP operation has been moved to the vSphere web client.
- C. The VASA version in use is incompatible.
- D. UNMAP is automated for VMFS6.

**Answer: D**

#### QUESTION 254

Which happens if the swap file of a virtual machine is inaccessible to the destination host during a vMotion?

- A. The swap file is stored with the virtual machine configuration file.
- B. The swap file is copied to the destination host.
- C. The vMotion will fail.
- D. The swap file is replicated to a datastore accessible by both hosts.

**Answer: A**

#### QUESTION 255

Which are the two network requirements for a VMware vSAN 6.5 cluster? (Choose two.)

- A. Multicast must be enabled on the physical switches and routers that handle vSAN traffic.
- B. vSAN requires IPv6 only.
- C. All hosts must have a dedicated 40GbE NIC.
- D. The vSAN network supported IPv4 or IPv6.
- E. vSAN requires IPv4 only.

**Answer: AD**

**QUESTION 256**

When performing a vCenter Server 5.5 for Windows with Microsoft SQL Server Express database migration to vCenter Server Appliance 6.5, which will be the target database?

- A. Microsoft SQL Server Express 2012 R2
- B. Microsoft SQL Server Standard 2012 R2
- C. Postgre SQL
- D. Oracle DB 11g

**Answer: C**

**QUESTION 257**

An administrator is creating VMkernel adapters on an ESXi 6.5 host and wants to create separate VMkernel adapters for every type of traffic in the default TCP/IP stack. Which three types of traffic can be explicitly enabled on a separate VMkernel adapter? (Choose three.)

- A. Virtual SAN traffic
- B. NFS traffic
- C. vMotion traffic
- D. vSphere HA traffic
- E. Fault Tolerance logging traffic

**Answer: CDE**

**QUESTION 258**

An administrator cannot enable multi-processor Fault Tolerance (SMP-FT) for a virtual machine. Which are two possible causes for this? (Choose two.)

- A. The virtual machine is running on a vSAN datastore.
- B. The Fault Tolerance network is using a 10Gbit uplink.
- C. The virtual machine has 6 vCPUs assigned.
- D. The virtual machine has a 1 TB VMDK attached.
- E. The virtual machine has snapshots present.

**Answer: CE**

**QUESTION 259**

Which are four attributes of the Active vCenter HA node? (Choose four.)

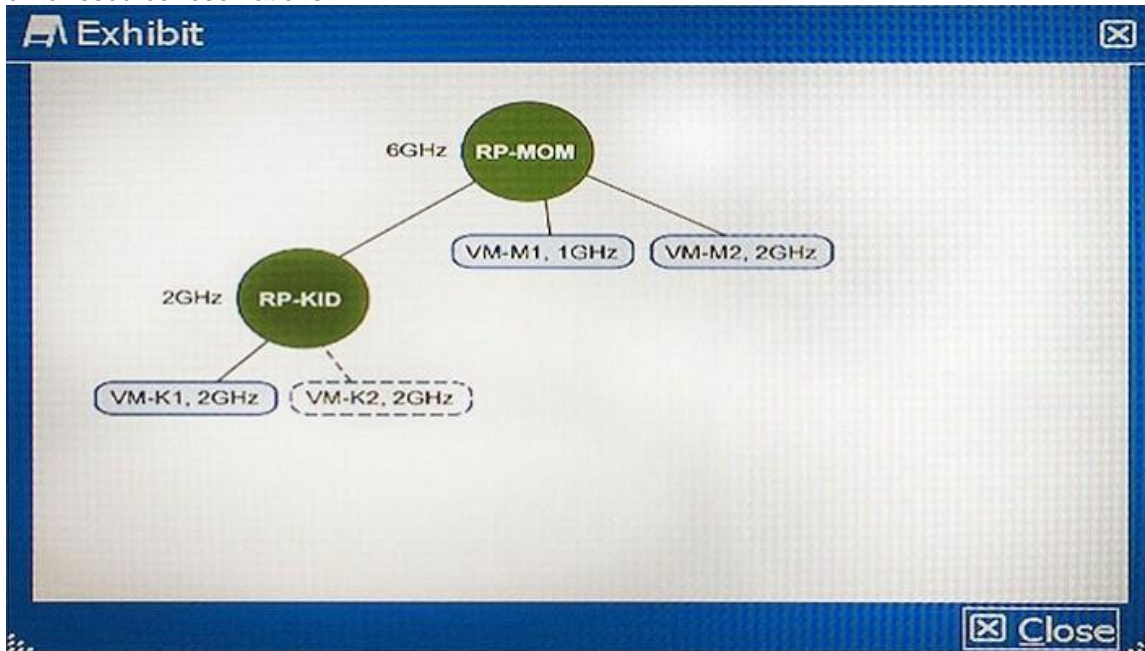
- A. It uses the vCenter HA network to communicate with the Witness node.
- B. It constantly replicates vPostgres data with the Witness node.
- C. It uses a public IP address for the management interface.
- D. It runs the active vCenter Server Appliance instance.

- E. It uses the vCenter HA network for replication of data.
- F. It provides a quorum to protect against split-brain situations.

**Answer: ACDE**

**QUESTION 260**

The administrator wants to power on VM-K2, which has a 2 GHz CPU reservation. VM-M1, VM-M2, and VM-K1 are all powered on. VM-K2 is not powered on. The exhibit shows the parent and child resource reservations.



If Resource Pool RP-KID is configured with an expandable reservation, which statement is true?

- A. VM-K2 will be unable to power on because there are insufficient resources.
- B. VM-K2 will be able to power on since resource pool RP-KID has 2 GHz available.
- C. VM-K2 will be unable to power on because only 2 GHz are reserved for RP-KID.
- D. VM-K2 will receive resource priority and will be able to power on this scenario.

**Answer: A**

**QUESTION 261**

An administrator would like to configure vSphere HA to use two isolation addresses. How would this affect the behavior of HA?

- A. If both isolation addresses are not reachable, the host will be restarted by the HA agent.
- B. If both isolation addresses are not reachable, the host will use the vCenter Server IP address as a final isolation address before being marked isolated.
- C. If only one of the isolation addresses is reachable, the host will not be marked isolated by HA.
- D. If only one of the isolation addresses is reachable, the host will be considered in an isolated by HA.

**Answer: C**

**QUESTION 262**

An administrator is troubleshooting network communications between a vCenter Server and an

ESXi 6.5 host. Which log shows the related events between these components?

- A. /var/log/fdm.log
- B. /var/log/vpxa.log
- C. /var/log/hostd.log
- D. /var/log/auth.log

**Answer: B**

**QUESTION 263**

When enabling Storage DRS on a datastore cluster, which three components are enabled as a result? (Choose three.)

- A. Space load balancing among datastore within the datastore cluster.
- B. Initialplacement for virtual disks based on space and I/O workload.
- C. I/O load balancing among datastores within the datastore cluster.
- D. Queue Depth alerting on disks within the datastore cluster.
- E. Data de-duplication within the datastore cluster.

**Answer: ABC**

**QUESTION 264**

Which are three supported storage requirements for vCenter Server HA? (Choose three.)

- A. NFS
- B. RDM
- C. vSAN
- D. VMFS
- E. JBOD

**Answer: ACD**

**QUESTION 265**

Which two permissions are required to migrate a virtual machine with Storage vMotion? (Choose two.)

- A. Network > Move Network
- B. VirtualMachine > Inventory > Move
- C. Resource > Migrate powered on virtual machine
- D. Datastore > Allocate Space

**Answer: CD**

**QUESTION 266**

Which Host Profile Subprofile configuration is used to configure firewall settings for ESXi hosts?

- A. Advanced Configuration Settings
- B. General System Settings
- C. Security
- D. Networking

**Answer: A**

**QUESTION 267**

Which is required for configuring iSCSI Software Adapter network port binding?

- A. VMkernel of the iSCSI traffic must be load balanced using Route based on IP Hash algorithm.
- B. VMkernel of the iSCSI traffic must be load balanced using Route based on Source Virtual Port ID algorithm.
- C. VMkernel of the iSCSI traffic must be load balanced using Route based on Source MAC Hash algorithm.
- D. VMkernel of the iSCSI traffic must be bound to only one active network adapter.

**Answer: D**

**QUESTION 268**

It is determined that the Migration Assistant will be used to migrate from vCenter Server 5.5 on Windows with an external instance of Update Manager to a vCenter Server Appliance 6.5. Which option is correct in regard to migrating Update Manager?

- A. The Migration Assistant must be run on vCenter Server first and then on the Update Manager server.
- B. The Migration Assistant must be run on the Update Manager server first and then on vCenter Server.
- C. Migrating Update Manager from legacy versions of vCenter Server to a vCenter Server Appliance 6.5 is not supported.
- D. The Migration Assistant can only migrate local instances of Update Manager to the vCenter Server Appliance 6.5.

**Answer: B**

**Explanation:**

Before running a migration from vCenter Server that runs on Windows, or upgrading vCenter Server Appliance that use an external Update Manager, you must download and run the VMware Migration Assistant on the source Windows physical server or the Windows virtual machine where Update Manager runs. The VMware Migration Assistant facilitates the migration of the Update Manager server and database to the vCenter Server Appliance 6.5.

<https://docs.vmware.com/en/VMware->

[vSphere/6.5/com.vmware.vsphere.update\\_manager.doc/GUID-189A0050-1680-42A3-A13E-8FDCBE9FB03F.html](https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.update_manager.doc/GUID-189A0050-1680-42A3-A13E-8FDCBE9FB03F.html)

**QUESTION 269**

Which two statements are true for Predictive DRS? (Choose two.)

- A. It balances resource utilization for virtual machines with unpredictable utilization patterns.
- B. It integrates DRS with vRealize Operations Manager to balance workloads for virtual machines before resource utilization spikes occur.
- C. It balances resource utilization based on a threshold's algorithm that runs each night.
- D. It determines the best placement and balance of virtual machines based on a threshold's algorithm that runs each night in vCenter Server 6.5 Database.

**Answer: BD**

**QUESTION 270**

An administrator notices that a host is evacuating all virtual machines and entering maintenance mode even though the host appears to be up and running. Which new feature in vSphere 6.5 would cause this?

- A. Predictive DRS

- B. EVC Mode
- C. vCenter HA
- D. Proactive HA

**Answer: C**

**QUESTION 271**

An administrator wants to ensure that any virtual machine added to a certain port group always has sufficient network resources. Network I/O Control version 3 has been enabled on the Distributed Switch. Which three steps will achieve this objective? (Choose three.)

- A. Reserve bandwidth for virtual machine system traffic on the Distributed Switch Port Group.
- B. Edit the virtual machine's Resource settings and set a reservation for virtual machine system traffic.
- C. Create a Network Resource Pool on the Distributed Switch and set a reservation quota.
- D. Reserve bandwidth for virtual machine system traffic on the Distributed Switch.
- E. Add the Network Resource Pool on the Distributed Switch Port Group.

**Answer: ACE**

**QUESTION 272**

A VM-Host affinity rule states that VM group "X" must run on hosts in group "Y". If all ESXi hosts in group "Y" fail, which is the resulting behavior with vSphere HA enabled?

- A. The virtual machines in group "X" will failover to hosts that do not belong to group "Y", but will vMotion back to hosts in group "Y" when they become available.
- B. The virtual machines in group "X" will not failover to hosts that do not belong to group "Y".
- C. This scenario is not possible because vSphere HA and DRS cannot work together.
- D. The virtual machines in group "X" will only fail over to hosts that do not belong to group "Y" if they are marked as "High" VM Restart Priority within vSphere HA.

**Answer: D**

**QUESTION 273**

An administrator wants to create and use a vApp. Which pre-requisite must be met before the administrator can create a vApp?

- A. The vApp can only be deployed in an EVC enabled cluster.
- B. The vApp must be created within a StorageDRS cluster.
- C. None. vSphere 6.5 does not support vApp deployments.
- D. The vApp can only be created in a DRS enabled cluster.

**Answer: D**

**QUESTION 274**

Which is the correct order for upgrading vSphere components?

- A. vCenter Server, ESXi hosts, VMware Tools, Virtual Machine hardware
- B. VMware Tools, Virtual Machine hardware, ESXi hosts, vCenter Server
- C. vCenter Server, Virtual Machine hardware, VMware tools, ESXi hosts
- D. ESXi hosts, vCenter Server, Virtual Machine hardware, VMware Tools

**Answer: D**



**QUESTION 275**

An administrator wants to restore the vCenter Server Appliance 6.5 from backup. Where can this be accomplished?

- A. from the ESXi Host Client
- B. from the VMware vSphere Appliance Management Interface
- C. from within the VMware vSphere Web Client
- D. from the vCenter Server Appliance Installer

**Answer: B**

**QUESTION 276**

An administrator has enabled vSphere Distributed Switch Health Check. The hosts connected to that Distributed Switch all display an alert:

"vSphere Distributed Switch MTU supported status"

The administrator has all of the VMkernel ports MTU sizes set to 1600. Which action will remedy this problem?

- A. Configure the Distributed Switch to MTU 9100.
- B. Disconnect and reconnect the physical network cable.
- C. Configure the physical switch to MTU 1600.
- D. Disable the Distributed Switch MTU.

**Answer: A**

**QUESTION 277**

An administrator is trying to vMotion a VM from his datacenter to a recovery site. Which is the maximum allowed RTT (Round-Trip Time) latency between source and destination host?

- A. 100 milliseconds
- B. 150 milliseconds
- C. 15 milliseconds
- D. 10 milliseconds

**Answer: B**

**QUESTION 278**

An administrator is attempting to power on a virtual machine with 32 GB of memory. The operation fails with the following error:

"Could not power on VM: No space left on device. Checking the space on the virtual machine's datastore, there is 30 GB free."

Which action would allow the VM to power on?

- A. Set a 2 GB memory reservation on the VM.
- B. Mount the virtual disk from the affected VM on to another virtual machine and free up space from within the OS.
- C. Enable vSphere HD admission control on the cluster in which the VM resides.
- D. Set a 2 GB memory limit on the VM.

**Answer: B**

**QUESTION 279**

A vSphere administrator wants to upgrade NFS 3 datastores to NFS 4.1 on ESXi 6.5 hosts with running production virtual machines. Which option is valid?

- A. Run ESXi command to upgrade the datastore.
- B. Unmount the datastore from a single host, then mount it as NFS 4.1 datastore, and repeat this one host at a time until the mount has been upgraded on all hosts.
- C. Create a new NFS 4.1 datastore, and then use Storage vMotion to migrate virtual machines from the old datastore to the new one.
- D. Right click the datastore and upgrade it as a NFS 4.1 datastore.

**Answer: C**

**QUESTION 280**

Which action can the Hybrid Cloud Manager perform?

- A. It can migrate virtual machines with vMotion between vCenter Servers with distinct Single Sign-on domains.
- B. It can manage vCloud Air and Amazon Web Services (EC2) from a single interface.
- C. It can migrate the virtual machines with vMotion between AWS, Azure, and vCloud Air.
- D. It can move a virtual machine from vCloud Air to on premises vSphere.

**Answer: D**

**QUESTION 281**

Which two datastore types are supported by Storage I/O Control v2? (Choose two.)

- A. vSAN
- B. RDM
- C. NFS
- D. Virtual Volumes
- E. VMFS

**Answer: CE**

**QUESTION 282**

Which three types of Content Libraries exist within vSphere 6.5? (Choose three.)

- A. Remote Content Library
- B. Published Content Library
- C. Local Content Library
- D. Shared Content Library
- E. Subscribed Content Library

**Answer: BCE**

**Explanation:**

<https://esxi.com/2016/12/30/content-libraries/>

**QUESTION 283**

An administrator is attempting to access an ESXi host via the DCUI but is unable to do so. Which could be two possible causes? (Choose two.)

- A. The host in question has no out-of-band management capability (i.e. iLO/iDRAC).
- B. The SSH service is disabled on the host.



- C. Strict lockdown mode is enabled on the host.
- D. Normal lockdown mode is enabled and the administrator is a member of the Exception User list.
- E. The DCUI service is disabled on the host.

**Answer: CE**

**QUESTION 284**

ESXi hosts with 10Gbps network cards are attached to a distributed switch. The administrator has upgraded to NIOC3 and wants to allow vMotion traffic to use as much bandwidth as possible but must ensure that other services always have sufficient bandwidth. How can this be done?

- A. Configure shares on the distributed switch for the vMotion traffic type.
- B. Configure limits on the distributed switch on the vMotion traffic type.
- C. Associate vMotion traffic with a network resource pool and use CoS tagging.
- D. Set shares on user-defined network resource pool and associate it with vMotion traffic.

**Answer: D**

**QUESTION 285**

Which is the purpose of VM Component Protection (VMCP)?

- A. Reconnect virtual NICs that become disconnected.
- B. Respond when a datastore encounters a PDL or APD failure.
- C. Restart applications when they are no longer running.
- D. Respond when viruses are detected inside a virtual machine.

**Answer: B**

**QUESTION 286**

When installing vCenter Converter Standalone, why must an administrator perform a client-server installation instead of a local installation?

- A. to manage conversion tasks remotely
- B. to convert virtual machines as well as physical machines
- C. to allow installation of the converter agent on remote source machines
- D. to hot clone physical or virtual machines

**Answer: A**

**QUESTION 287**

An administrator wishes to enable network port mirroring based on source port. Which feature should be enabled?

- A. vSphere standard switch port
- B. ERSPAN
- C. NSX Virtual Wire
- D. VLAN

**Answer: D**

**QUESTION 288**

An administrator is investigating virtual machine performance issues using ESXTOP. The ESXi

host does not have hyperthreading enabled. Which statistics would be relevant for troubleshooting VM performance issues?

- A. %RDY
- B. %IDLE
- C. %RUN
- D. CORE UTIL(%)

**Answer: A**

**QUESTION 289**

An administrator has decided to use Auto Deploy in the environment. Which two considerations must be taken into account before configuring Auto Deploy? (Choose two.)

- A. Hosts in a cluster must be connected to a Distributed Switch.
- B. Host profiles are not supported when using Auto Deploy.
- C. DHCP must be configured to support PXE boot.
- D. Storage DRS must be enabled.
- E. A TFTP server must be setup and running.

**Answer: CE**

**QUESTION 290**

When using "Cluster resource percentage" for host failover capacity in vSphere HA Admission Control, the total resource requirements are calculated from which two values? (Choose two.)

- A. Total vCPUs assigned to each VM.
- B. Average CPU usage on each VM over time.
- C. Memory reservations on each VM.
- D. Total memory assigned to each VM.
- E. Average active memory on each VM over time.
- F. CPU reservations on each VM.

**Answer: BE**

**QUESTION 291**

Which are two vCenter Server two-factor authentication methods? (Choose two.)

- A. RSA SecurID
- B. Smart Card
- C. SAML
- D. Symantec VIP

**Answer: AB**

**QUESTION 292**

A user is given the "Virtual machine user (sample)" role in a vSphere 6.x environment. Which three permissions would the user be able to perform? (Choose three.)

- A. Reset a virtual machine.
- B. Power on a virtual machine.

- C. Move a host into a cluster.
- D. Configure CD media.
- E. Migrate a virtual machine with Storage vMotion.

**Answer: ABD**

**QUESTION 293**

Which three requirements are needed to apply RAID 5 or RAID 6 erasure coding on a vSAN 6.2 or 6.5 object? (Choose three.)

- A. on Disk Format 3.0
- B. Hybrid vSAN
- C. All Flash vSAN
- D. vSAN Advanced License
- E. Stretched Cluster Configurations

**Answer: ACD**

**QUESTION 294**

An administrator has recently upgraded from vSphere 6.0 to 6.5, and can no longer see the software iSCSI named vmhba33. Which could be the reason for this?

- A. The upgrade has changed the vmhba name.
- B. vSphere 6.5 automates iSCSI configurations.
- C. vSphere 6.5 no longer supports software iSCSI.
- D. The upgrade has deleted the vmhba.

**Answer: A**

**QUESTION 295**

When migrating a Windows vCenter Server 6.0 to the vCenter Server Appliance 6.5, which two will be migrated by default? (Choose two.)

- A. Local Windows OS users and groups
- B. Configuration
- C. Custom ports
- D. FQDN
- E. Historical and Performance data

**Answer: BD**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.upgrade.doc/GUID-5E19B79A-AE4F-497A-9047-3E9AAC1D7767.html>

**QUESTION 296**

Which is the predefined user name when publishing a Content Library?

- A. admin
- B. root
- C. administrator
- D. vcsp

**Answer: D**

**QUESTION 297**

In vSphere Data Protection 6.1, which is the function of a Backup Verification job?

- A. None. Backup Verification job is not a feature of vSphere Data Protection.
- B. It is a manual task-Power it on-Verify the guest OS-Check started applications.
- C. It is an automatic process-Restore a virtual machine-Power it on-Verify that the guest OS is booted by communicating with the Backup Verification agent.
- D. It is an automatic process-Restore a virtual machine-Power it on-Verify that the guest OS is booted by detecting the VMware Tools "heartbeats".

**Answer: D**

**QUESTION 298**

Which three are supported upgrade processes for ESXi host? (Choose three.)

- A. using vSphere Auto Deploy
- B. using a TFTP server
- C. using Update Manager
- D. using an ESXCLI command
- E. installing from CIFS share

**Answer: ACD**

**QUESTION 299**

In a vSphere 6.5 cluster, the administrator notices that it is possible to set a percentage in the DRS option, "Control CPU over-commitment in the cluster." Which is the purpose of this setting?

- A. It sets and enforces a maximum percentage of virtual machine CPU usage in GHz in comparison to physical CPU availability in GHz.
- B. It sets and enforces a maximum ratio in percentage between powered on virtual machine CPUs and available physical CPUs on hosts.
- C. It prevents the creation of any additional virtual machines in the cluster.
- D. It calculates the total shares assigned to all virtual machines in comparison to GHz of available physical CPU.

**Answer: A**

**QUESTION 300**

An administrator is using virtual machine encryption in their vSphere 6.5 environment. The Key Management Server (KMS) has experienced a critical failure. Which two statements are true about VM encryption when the KMS is not available? (Choose two.)

- A. VMs will shut down gracefully in the event of a KMS outage as a proactive measure to prevent data theft.
- B. VMs which were running at the time of the KMS failure will continue to run.
- C. If an ESXi host is rebooted, it will be unable to power on encrypted VMs until KMS connectivity is restored.
- D. vCenter Server will continue to distribute encryption keys as long as it is not rebooted while the KMS is unreachable.
- E. ESXi hosts within the same cluster will share keys with one another while the KMS is unreachable.

**Answer: BC**

**QUESTION 301**

An administrator sees the following error in the log files:

```
Lost access to volume 496befed-1c79c817-6beb-001ec9b60619 (san-  
lun-100) due to connectivity issues.
```

Which two events could be the source of the error message? (Choose two.)

- A. vCenter Server failure
- B. VXLAN failure
- C. Disk array failure
- D. Network failure
- E. ESXi host failure

**Answer: CE**

**QUESTION 302**

An administrator has multiple vCenter Server 6.5 systems but cannot enable Storage I/O Control (SIOC) on a datastore shared by ESXi hosts managed by the vCenter Server systems. Which action should the administrator take to resolve the issue?

- A. Unmount the datastore and then enable SIOC on the vCenter Server system.
- B. Configure the datastore to be managed by a single vCenter Server system.
- C. Configure Storage DRS and then enable SIOC on the vCenter Server system.
- D. Enable Raw Device Mapping (RDM) on the ESXi hosts.

**Answer: B**

**QUESTION 303**

Which two encryption keys does the host use when encrypting virtual machine files? (Choose two.)

- A. Public Key Infrastructure Encryption Key (PKI)
- B. Master Encryption Key (MEK)
- C. Data Encryption Key (DEK)
- D. Key Encryption Key (KEK)

**Answer: CD**

**QUESTION 304**

A domain user is able to successfully log into the vSphere Web Client, but notices that the vCenter Server system does not appear in the inventory. Which is the cause of this situation?

- A. The Service Control Agent service is not running.
- B. The vCenter Server does not have any hosts added to inventory yet.
- C. The domain user has read-only permissions on vCenter Server.
- D. The domain user does not have vCenter Server permissions.

**Answer: D**

**QUESTION 305**

Which is required by vCenter Converter Standalone to convert a physical Red Hat Enterprise Linux 7 machine to a virtual machine?

- A. The Linux machine must be powered off.
- B. The Linux machine must have the SSH daemon started.
- C. The Linux machine must use a static IP address.
- D. The Linux machine must have a fully-qualified domain name.

**Answer: C**

**QUESTION 306**

What are two reasons why a datastore in a Storage DRS cluster cannot enter maintenance mode? (Choose two.)

- A. Storage latency is too high to allow Storage DRS initiate Storage vMotion.
- B. Storage DRS is configured for a VMFS3 datastore.
- C. Storage DRS is disabled on the virtual disk.
- D. Rules prevent Storage DRS from making migration recommendations.

**Answer: CD**

**Explanation:**

<https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.troubleshooting.doc%2FGUID-91D4FBBC-0677-44DA-B0F2-43A3504F8CA0.html>

**QUESTION 307**

A vSphere content library administrator is attempting to unpublish the content library, but the option is grayed out as shown in the exhibit:



Which statement identifies the reason for not being able to unpublish?

- A. The content library is optimized for syncing over HTTP.
- B. A synchronization operation is in progress with this content library.
- C. There are active subscriptions on this content library.
- D. Underlying storage for this content library is not accessible.

**Answer: A**

**Explanation:**

This optimization option comes with limitations:

- Once a library is published as optimized for syncing over HTTP (streaming optimized), you cannot revert it back (unpublish) to a local library.
  - A streaming optimized published library cannot be used to deploy VMs.
- [http://docs.hol.vmware.com/HOL-2017/hol-1710-sdc-6\\_html\\_en/](http://docs.hol.vmware.com/HOL-2017/hol-1710-sdc-6_html_en/)

**QUESTION 308**

What two methods are used to configure VMware vSphere Storage I/O Control shares and limits? (Choose two.)

- A. Assign shares and limits to VM virtual disks.
- B. Assign shares and limits to datastores.
- C. Assign shares and limits to Storage DRS clusters.
- D. Assign shares and limits using VM storage policies.

**Answer: AD**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.resmgmt.doc/GUID-25C3D9FE-3A9D-4739-AC75-16A9E0A3D9F0.html>

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.resmgmt.doc/GUID-614F2F1C-36CE-4745-8A37-A95B1C4EA08C.html>

**QUESTION 309**

Assuming a mirrored (RAID-1) object configuration, how many hosts must contribute storage in a non-stretched VMware vSAN cluster to satisfy the "Number of failures to tolerate" policy option? "n" is the desired "Number of failures to tolerate" value for all options.

- A.  $2n+2$
- B.  $2n$
- C.  $2n+1$
- D.  $3n$

**Answer: C**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID-8491C4B0-6F94-4023-8C7A-FD7B40D0368D.html>

**QUESTION 310**

An administrator must change the statistics level for short-term performance monitoring and wants to collect metrics for all counters, excluding minimum and maximum rollup values. What would be the statistics level?

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

**Answer: A**

**Explanation:**

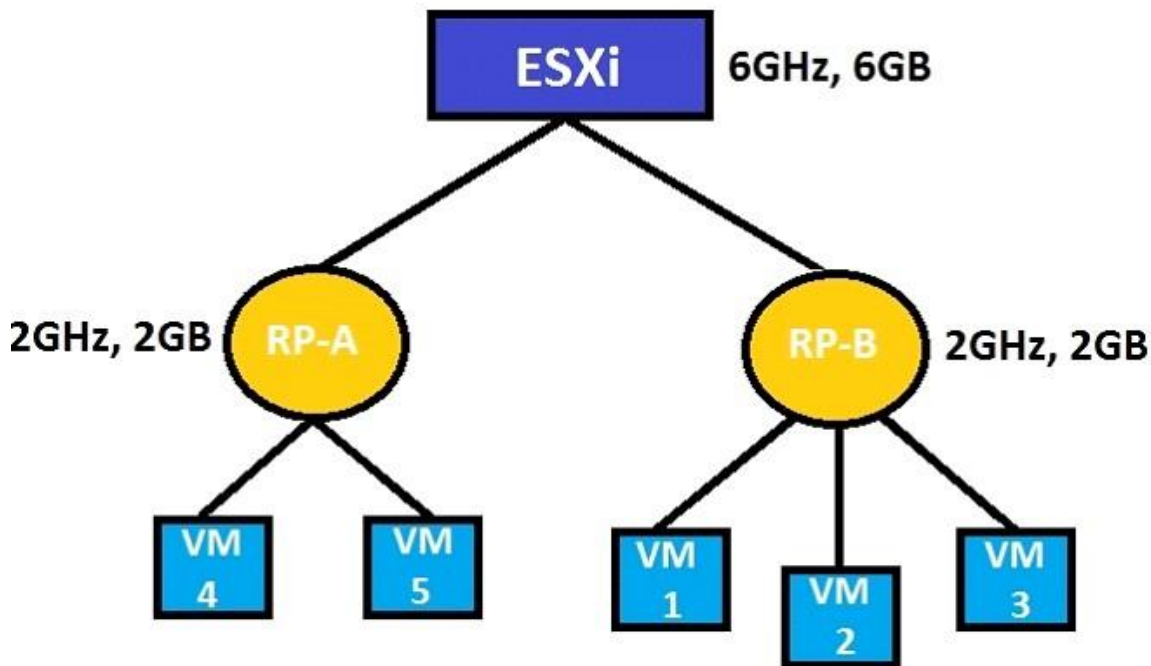
Use for short-term performance monitoring after encountering problems or when device statistics are required:

- Level 1 and Level 2 metrics.
- Metrics for all counters, excluding minimum and maximum rollup values.
- Device metrics.

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vcenterhost.doc/GUID-25800DE4-68E5-41CC-82D9-8811E27924BC.html>

**QUESTION 311**

In a vSphere environment, two resource pools are created as shown in the exhibit:



Each VM is configured with 1 GB of memory. When the administrator tried to power on VM3, the operation failed. What action in the resource pool settings will allow VM3 to power on successfully?

- A. Deselect Expandable Memory Reservation
- B. Increase Memory Reservation
- C. Deselect Expandable CPU Reservation
- D. Increase the CPU Reservation

**Answer: B**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.resmgmt.doc/GUID-8D813BB8-CE07-40F2-B2CA-269C1FB39475.html>

### QUESTION 312

ESXi 6.5 introduces VMFS6, which supports both 512e and 512n devices. What three configurations are supported when using these devices? (Choose three.)

- A. Hosts with both 512e and 512n devices.
- B. Storage vMotion between both 512e and 512n devices.
- C. Datastore Extents spanned between both 512e and 512n devices.
- D. Storage DRS clusters containing only both 512e and 512n devices.

**Answer: ABD**

**Explanation:**

- Datastore Extents. A spanned VMFS datastore must use only homogeneous storage devices, either 512n or 512e. The spanned datastore cannot extend over devices of different formats.
- Storage DRS. VMFS5 and VMFS6 can coexist in the same datastore cluster. However, all datastores in the cluster must use homogeneous storage devices, either 512n or 512e. Do not mix devices of different formats within the same datastore cluster.

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.storage.doc/GUID-7552DAD4-1809-4687-B46E-ED9BB42CE277.html>



**QUESTION 313**

Which network is used by vSphere HA when VMware vSAN is enabled?

- A. Management network
- B. vSphere Replication network
- C. vMotion network
- D. VSAN network

**Answer: D**

**Explanation:**

Virtual SAN has its own network. When Virtual SAN and vSphere HA are enabled for the same cluster, the HA inter agent traffic flows over this storage network rather than the management network. The management network is used by vSphere HA only when Virtual SAN is disabled. vCenter Server chooses the appropriate network when vSphere HA is configured on a host.  
<https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.virtualsan.doc/GUID-D68890D8-841A-4BD1-ACA1-DA3D25B6A37A.html>

**QUESTION 314**

A vSphere Administrator observes that the Primary VM configured with Fault Tolerance is executing slowly. After further investigation, it is determined that the Secondary VM is on an overcommitted ESXi host. What two methods will correct the problem? (Choose two.)

- A. Use Storage vMotion to migrate the Secondary VM to another datastore.
- B. Use vMotion to migrate the Secondary VM to a different ESXi host.
- C. Configure a CPU limit on the Primary VM which will also apply to the Secondary VM.
- D. Turn off and turn on FT in order to recreate the Secondary VM on a different datastore.

**Answer: BD**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.troubleshooting.doc/GUID-C714CA33-13B9-41CE-A4BE-BFCA5C0C134E.html>

**QUESTION 315**

Which two features require the use of Host Profiles? (Choose two.)

- A. Host Customizations
- B. Shared Storage
- C. Auto Deploy
- D. vRealize Suite

**Answer: AC**

**Explanation:**

<https://blogs.vmware.com/vsphere/2017/04/understanding-host-profiles-handles-host-specific-configuration-settings-customizations.html>

**QUESTION 316**

What three processes on the vCenter Server Appliance (VCSA) does "vmware-watchdog" monitor? (Choose three.)

- A. vmware-earn

- B. vmcad
- C. vmware-vpostgres
- D. vpxd
- E. vsan-health

**Answer: CDE**

**Explanation:**

<https://blogs.vmware.com/vsphere/2015/10/what-is-vcenter-server-watchdog.html>

**QUESTION 317**

Which two statements correctly describe VM-Host affinity rules? (Choose two.)

- A. When there is more than one VM-Host affinity rule in a vSphere DRS cluster, the rules are applied equally.
- B. After creating a VM-Host affinity rule, its ability to function in relation to other rules is predetermined.
- C. When there is more than one VM-Host affinity rule in a vSphere DRS cluster, the rules will be ranked.
- D. After creating a VM-Host affinity rule, its ability to function in relation to other rules is not checked.

**Answer: AD**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.resmgmt.doc/GUID-793013E2-0976-43B7-9A00-340FA76859D0.html>

**QUESTION 318**

An administrator wants to enable proactive HA by moving virtual machines automatically if a hardware alert is triggered. What are the three required settings? (Choose three.)

- A. Set vSphere DRS Automation to Partially Automated.
- B. Turn on Proactive HA.
- C. Set the Proactive HA Automation Level to Manual.
- D. Set the Proactive HA Automation Level to Automated.
- E. Turn on vSphere HA and vSphere DRS.

**Answer: BDE**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/vsphere-esxi-vcenter-server-65-availability-guide.pdf>

**QUESTION 319**

If vCenter Server 5.5 installation has one or more services deployed remotely, which three services are relocated to vCenter Server 6.5 on upgrade? (Choose three.)

- A. vCenter Inventory Services
- B. vSphere Authentication Proxy
- C. vSphere Web Client
- D. vSphere ESXi Dump Collector
- E. vSphere Syslog Collector

**Answer: CDE**

**Explanation:**

These vCenter Server 5.5 for Windows services are relocated to become part of the vCenter Server group of services during the upgrade or migration process:

- vSphere Web Client

- vSphere Auto Deploy
  - vSphere Syslog Collector
  - vSphere ESXi Dump Collector
  - vSphere Update Manager
  - \* vCenter Inventory Services functionality is replaced by the vCenter Content Library.
  - \* vSphere Syslog Collector functionality is replaced by vCenter Server services functionality.
  - \* vCenter Server and vCenter Single Sign-On are the only services that are not relocated.
- <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.upgrade.doc/GUID-4BFB12D8-9FCA-4AB1-A44F-2986966F0AD5.html>

**QUESTION 320**

What two debugging levels can a virtual machine be configured to? (Choose two.)

- A. Verbose
- B. Debugging
- C. Statistics
- D. Trivia

**Answer: BC**

**Explanation:**

[https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm\\_admin.doc/GUID-942AD723-2989-4753-A478-C67FC73CD653.html](https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-942AD723-2989-4753-A478-C67FC73CD653.html)

**QUESTION 321**

Which statement is correct when migrating from a Windows vCenter Server to the vCenter ServerAppliance 6.5?

- A. Migration deployments do not migrate local OS users from the source vCenter Server.
- B. Migration deployments support DHCP on the source vCenter Server.
- C. Migration deployments allow the source vCenter Server to remain powered on afterwards.
- D. Migration deployments support custom ports for all services on the source vCenter Server.

**Answer: A**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.upgrade.doc/GUID-5E19B79A-AE4F-497A-9047-3E9AAC1D7767.html>

**QUESTION 322**

How can failback of a recovered virtual machine in vSphere Replication be performed?

- A. No action required, because failback is automatically performed to the source site.
- B. Configure a new replication in the reverse direction at the target site.
- C. Disable or Stop virtual machine replication on the source site.
- D. Power off and unregister the virtual machine on the target site.

**Answer: B**

**Explanation:**

<https://docs.vmware.com/en/vSphere-Replication/6.5/com.vmware.vsphere.replication-admin.doc/GUID-0594C104-1381-4EE7-8C6A-A44E9F380AAB.html>

**QUESTION 323**

What are three benefits of using a few large-capacity LUNs instead of many small-capacity LUNs? (Choose three.)

- A. Better performance because there is less contention for a single volume.
- B. More flexibility for resizing virtual disks.
- C. Less wasted storage space.
- D. More flexibility to create virtual machines without adding new LUNs.
- E. Fewer VMFS datastores to manage.

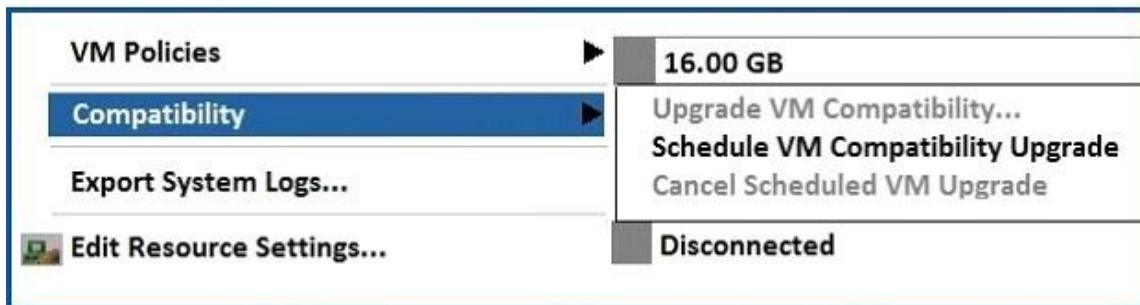
**Answer: BDE**

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.storage.doc/GUID-2C8FAE1F-98F7-4E0B-AEA0-83A4FF16A252.html>

**QUESTION 324**

After upgrading the vSphere infrastructure and VMware Tools to version 6.5, the "Upgrade VM Compatibility" option is grayed out in the vSphere Web Client. (See Exhibit.)

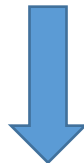


What must the administrator do to enable the VM compatibility upgrade?

- A. VMware Tools should be upgraded last.
- B. Restart the ESXi server.
- C. Uninstall VMware Tools.
- D. Power off the virtual machine.

**Answer: .....**

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