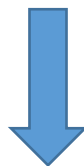


VMware VCP6-DCV Certification 2V0-621 Exam



- **Vendor: VMware**
- **Exam Code: 2V0-621**
- **Exam Name: VMware Certified Professional 6 - Data Center Virtualization Exam**

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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: B

Explanation:

<https://communities.vmware.com/message/2155776>

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: BCE

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: B

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: B

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.gi.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 VMtools 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.localdomain 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

Refer to the Exhibit. 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

Refer to the Exhibit. 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

Refer to the Exhibit. What will be the result of selecting the highlighted device?

Name	LUN	Capacity	Hardware Acc.	Drive Type	Expandable
EQLOGIC iSCSI Disk (naa.6090a06860162b7f0...)	0	200.01 GB	Supported	HDD	Yes
FUJITSU iSCSI Disk (naa.600000e00d1100000...)	0	5.00 GB	Supported	HDD	No

- A. Datastore will grow up to 200.01GB using the remaining free space on the device.
- B. Datastore will add 200.01GB 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 IO 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

Refer to the Exhibit. 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

Refer to the Exhibit. 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

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+" /I "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 16GB RAM.
- Will have an embedded Platform Services Controller.
- Hosts a Large Environment with 1,000 ESXi hosts and 10,000 Virtual Machines.

Why does the vCenter Server not meet the minimum requirements?

- 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.

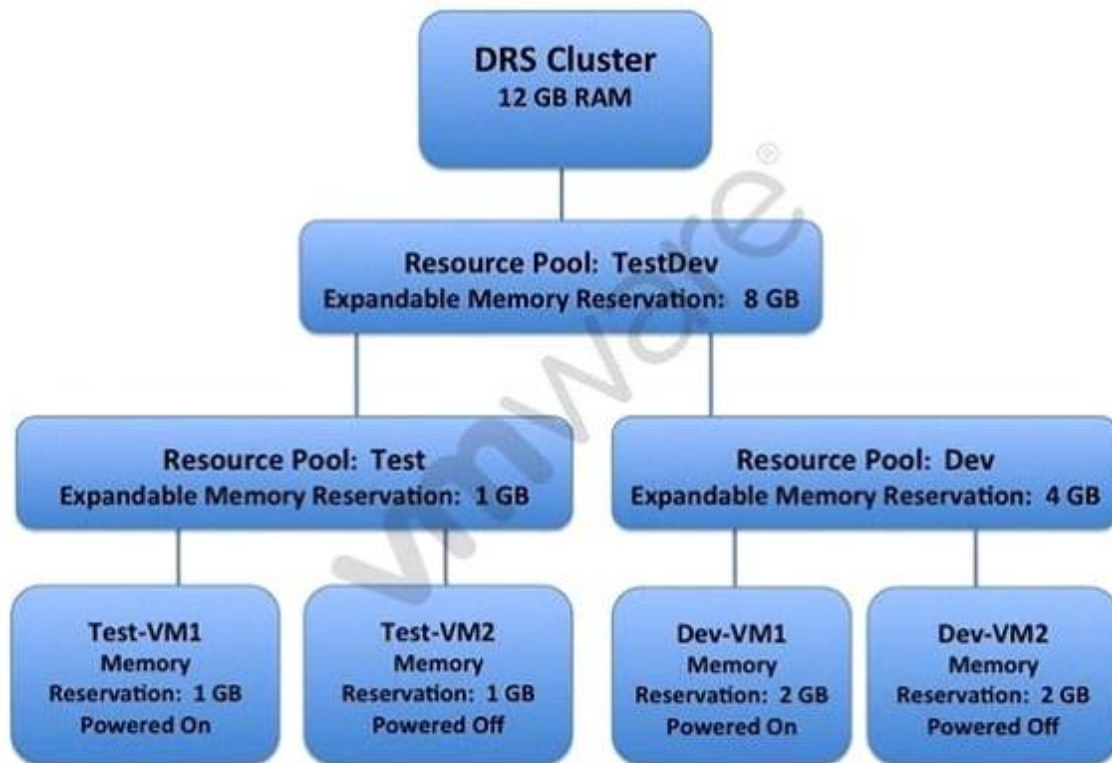
What would happen if all three virtual machines are powered on?

- 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

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



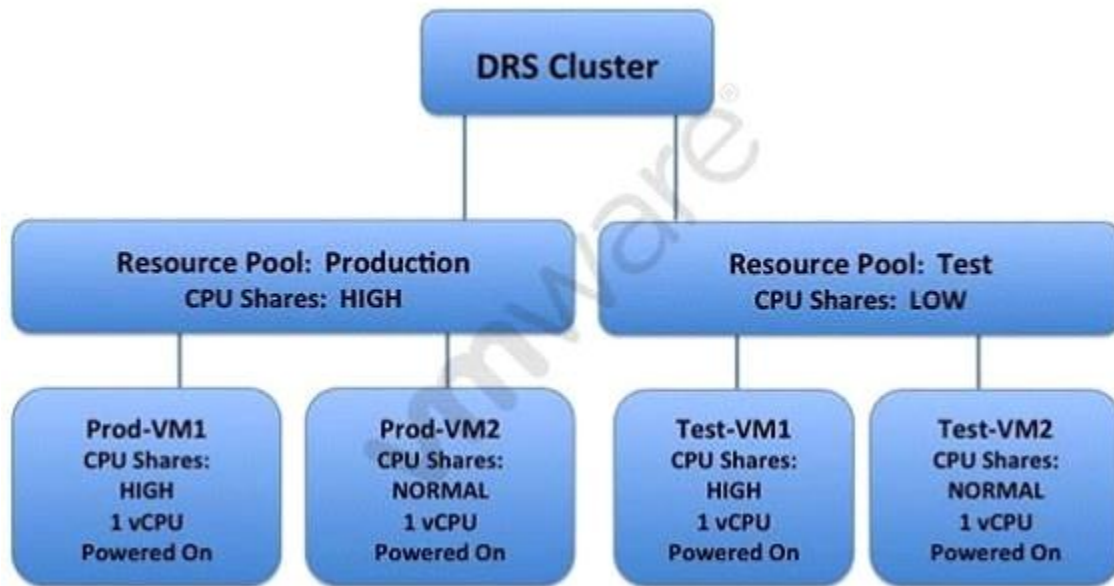
Based on the exhibit, which statement is true?

- A. 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

Refer to the Exhibit. 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?

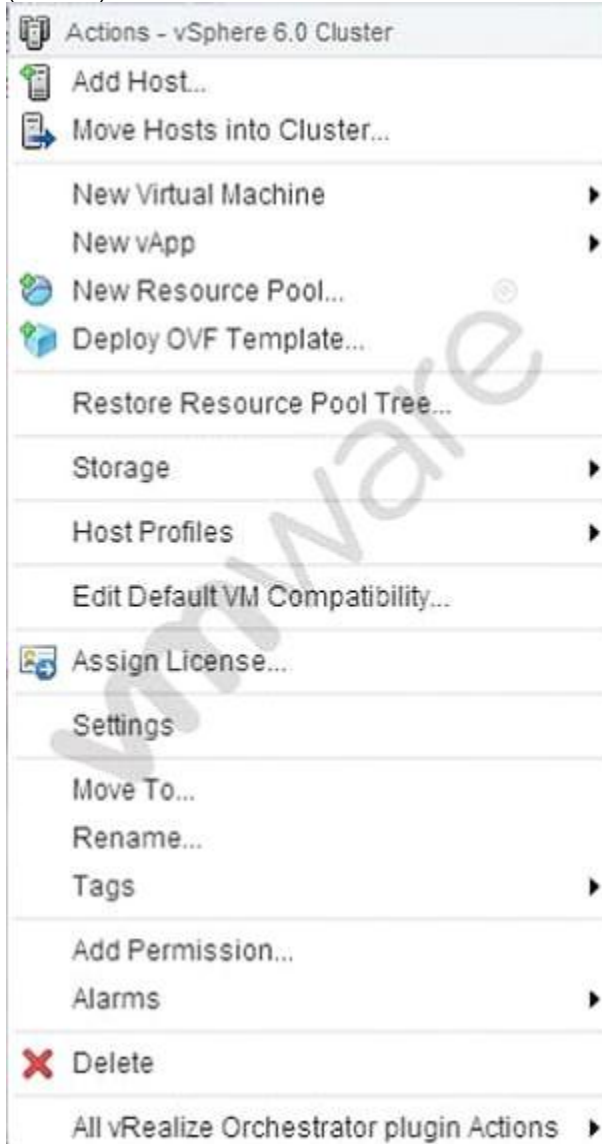
- A. 16
- B. 24
- C. 48

D. 72

Answer: B

QUESTION 103

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



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

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

Answer: A

QUESTION 104

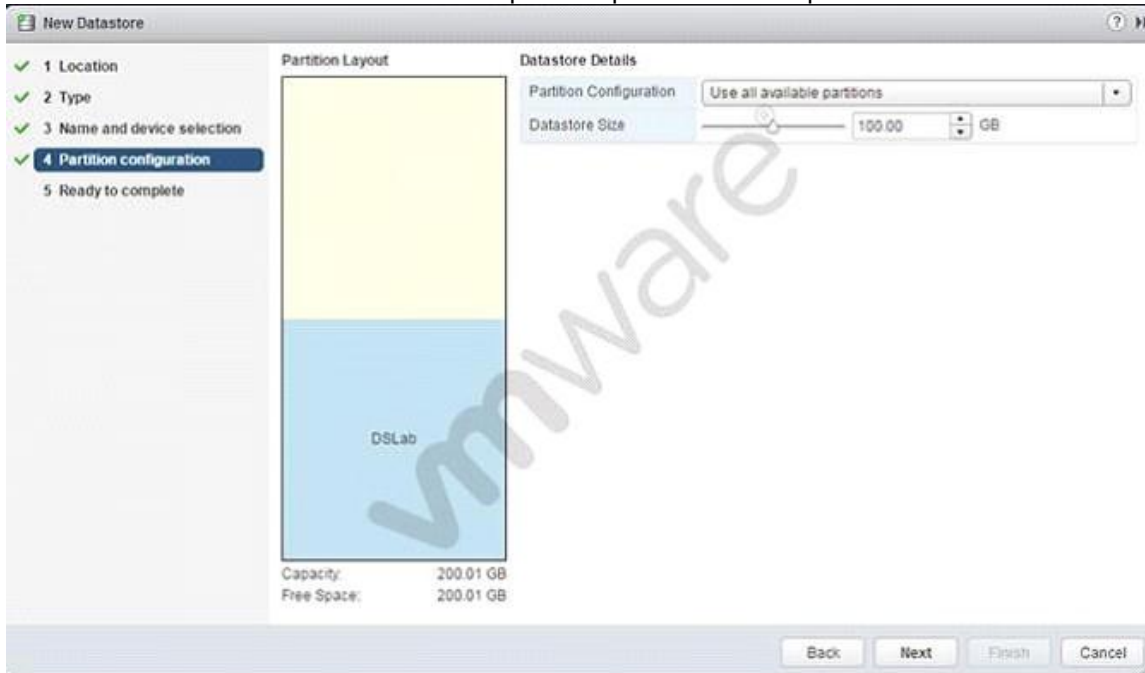
What is the compression algorithm used by vSphere Replication to compress data at the source?

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

Answer: A

QUESTION 105

Refer to the Exhibit. What will be created upon completion of the steps in this wizard?



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

Answer: A

QUESTION 106

Refer to the Exhibit. 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
PERC H310 Mini Monolithics						
vmhba1	SCSI	Unknown		7	7	7
Patsburg 6 Port SATA AHCI Controller						
vmhba36	Block SCSI	Unknown		0	0	0
vmhba0	Block SCSI	Unknown		0	0	0
vmhba35	Block SCSI	Unknown		0	0	0
vmhba37	Block SCSI	Unknown		1	1	1
vmhba38	Block SCSI	Unknown		0	0	0
vmhba34	Block SCSI	Unknown		0	0	0

Adapter Details

Properties | **Devices** | Paths

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

Refer to the Exhibit. 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_ssoresg.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 16GB 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

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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

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

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

What should the administrator do to resolve the problem?

- 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 10GB SDD
- Each host has one 100GB 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

Refer to the Exhibit. 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	MBWRTN/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

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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 VMWAREVCMSSDS 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: 96GB

ESXi host:

CPU: 2 x 8 Core Processors

Memory: 128GB

NUMA architecture. 2 Nodes

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

- 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: 48GB

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

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

```
6:43:19pm up 16 days 2:17, 502 worlds, 2 VMs, 8 vCPUs; CPU load average: 1.37, 1.35, 1.35
PCPU USED(%): 99 99 100 99 AVG: 99
PCPU UTIL(%): 99 99 99 99 AVG: 99
```

ID	GID NAME	NWLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVRLP	%CSTP	%MLMTD	%SNPWT
20672602	20672602 SlowVM	10	202.81	203.62	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

Refer to the Exhibit. 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 4.3 99 AVG: 27
PCPU UTIL(%): 3.0 4.7 4.4 100 AVG: 28
```

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

- 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

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



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

- A. 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

Refer to the Exhibit. An administrator receives vRealize Operations alerts for the Health of the virtual machine PVMAPP_0 as shown in exhibit 1. The administrator clicks on the Analysis pane, as shown in exhibit 2.



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

- 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

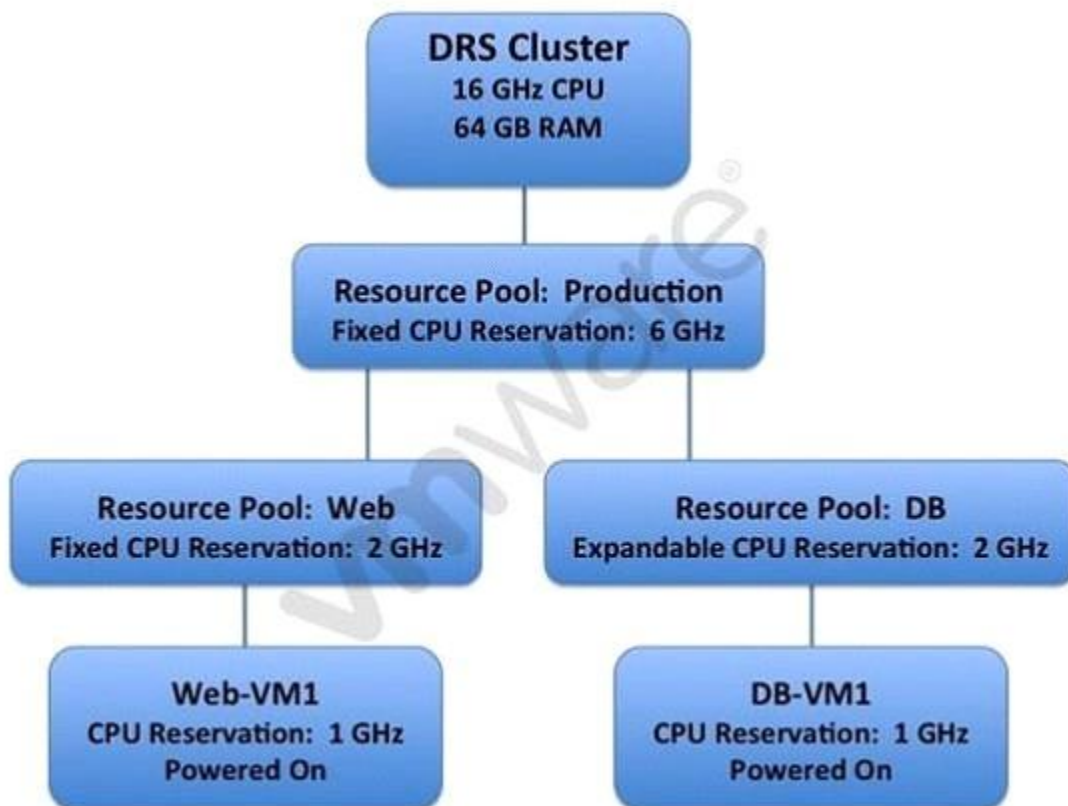
An administrator needs to recover disk space on a previously-used thin provisioned virtual disk. The volumes where the administrator needs to recover the disk blocks are on VAAI-compliant storage arrays. Which two actions should the administrator take accomplish this task? (Choose two.)

- 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

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



Based on the exhibit, which statement is true?

- A. 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

Refer to the Exhibit. 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:

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