VMware

Exam 2V0-622

VMware Certified Professional 6.5 – Data Center Virtualization

Version: 9.0

[Total Questions: 150]

Question No : 1

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: B,D

Explanation:

The following list contains features or actions that are currently not supported:

Local Windows OS users and groups are not migrated to the Photon OS of the vCenter Server Appliance 6.5. If you assigned vCenter Server permissions to any Local Windows OS users and groups, remove the permissions assignments before the migration. You can re-create Local OS users and groups on the Photon OS of the vCenter Server Appliance 6.5 after the migration.

After the migration, the source vCenter Server is turned off and cannot be turned on to avoid network ID conflicts with the target vCenter Server Appliance. After the source vCenter Server is turned off, all solutions that are installed on the source vCenter Server and that are not migrated become unavailable.

Migration of deployments that use custom ports for services other than Auto Deploy, Update Manager, and vSphere ESXi Dump Collector are not supported.

The migration process migrates only one network adapter settings to the target vCenter Server Appliance. If the hostname of the source vCenter Server resolves to multiple IP addresses across multiple network adapters, you have the option to select which IP address and network adapter settings to migrate. You cannot add the rest of the network adapters and settings to the target vCenter Server Appliance.

You cannot migrate a vCenter Server instance that uses a DHCP IP address.

Question No : 2

Which is the block size on the VMFS6 datastore?

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

Answer: D

Explanation:

File Block Format

VMFS-6 introduces two new block sizes, referred to as small file block (SFB) and large file block (LFB).

While the SFB size can range from 64KB to 1MB for future use-cases, VMFS-6 in vSphere 6.5 is utilizing an SFB size of 1MB only. The LFB size is set to 512MB.

Question No : 3

A vSphere Administrator is in the process of configuring replication for a virtual machine, but is not able to select the Recovery Point Objective (RPO) value of 5 minutes.

Which statement could explain why the RPO value cannot be lower than 15 minutes?

A. The OS quiescing option is selected for Replication options.
B. The virtual machine hardware version is not compatible.
C. The target and source sites use different types of datastores.
D. The target and source sites are not using VMFS 6.0 datastore.

Answer: A

Question No : 4

What VM Monitoring setting would ensure that the failure interval for a virtual machine is defined as 120 seconds?

A. High
B. Normal
C. Low
D. Medium

Answer: C

Question No : 5

The storage vendor recommends adjusting the Fibre Channel HBA queue depth to resolve a performance problem.

Which esxcli namespace can a vSphere Administrator use to adjust the queue depth?

A. esxcli system module parameters
B. esxcli storage core device
C. esxcli system module set
D. esxcli storage core adapter

Answer: A

Question No : 6

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: C,D

Explanation:

To determine why the heartbeat, I/O operations never complete:
Note the date/time when the lost access to volume message was reported and check the ESXi host logs for related information.
Verify that there are no connectivity issues between the ESXi host and the storage device.

Question No : 7

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: B,C

Explanation:

Predictive DRS using a combination of DRS and vRealize Operations Manager to predict future demand and determine when and where hot spots will occur. When future hot spots are found, Predictive DRS moves the workloads long before any contention can occur.

Each night it runs its Dynamic Threshold calculations which uses sophisticated analytics to create a band of what is "normal" for each metric/object combination

Question No : 8

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: B,D,E

Question No : 9

Which statement applies to the vSphere Replication appliance?

A. Only one vSphere Replication appliance can be deployed per vCenter Server instance.
B. VMware Tools in the vSphere Replication appliance can be upgraded.
C. A single vSphere Replication appliance can manage a maximum of 4000 replications.
D. vSphere Replication is available only with the vSphere Essentials Plus license.

Answer: A

Question No : 10

Which method is supported for backing up the virtual machine that contains vCenter Server?

A. differential
B. incremental
C. full image
D. individual disks

Answer: C

Question No : 11

A vSphere administrator manages a cluster which includes critical and non-critical virtual machines. The cluster requires different permissions for contractors and non-contractors.

How can the administrator exclude the contractor group from some of the critical VMs?

A. Apply permission for both contractors and non-contractors on the cluster level.
B. Apply permission for both contractors and non-contractors on the cluster level. Remove permission on the critical VMs for contractors.
C. Remove permission for contractors on the cluster level. Apply permission on the critical VMs for non-contractors.
D. Apply permission for both contractors and non-contractors on the VMs. Remove permission on the critical VMs for contractors.

Answer: B
Explanation:

To exclude the contractor group simple apply permission for both contractors and non-contrators on the cluster level. After that, remove premission on the critical VMs for contractors.

Question No : 12

When will vSphere Data Protection delete the expired backup image of a Platform Service

Controller?

A. Immediately after the retention period has expired.
B. After the expired backup image is restored.
C. During the next backup window following expiry.
D. During the next maintenance window following expiry.

Answer: D

Question No : 13

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:

Local Windows users are NOT migrated, you will need to re-create them if you require such users. Single Sign-On users are migrated as part of the vCenter Server Appliance Migration.

Reference https://kb.vmware.com/s/article/2146439

Question No : 14

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

Explanation:

(…) ensure each vmkernel port has a unique active adapter.

Question No : 15

Which two tasks should a vSphere administrator perform if the vmkernel log reports VMFS metadata errors? (Choose two.)

A. contact VMware technical support
B. reformat the datastore
C. check the device with VOMA
D. ignore the messages

Answer: A,C

Explanation:

To check metadata consistency, run VOMA from the CLI of an ESXi host. VOMA can be used to check and fix metadata inconsistency issues for a VMFS datastore or a virtual flash resource. To resolve errors reported by VOMA, consult VMware Support.
Reference https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.troubleshooting.doc/GUID-6F991DB5-9AF0-4F9F-809C-B82D3EED7DAF.html

Question No : 16

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

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

Answer: C,D
Explanation:

You require these permissions to perform Storage vMotion from the Remote Command Line Interface (RCLI):

Resource > Migrate

Resource > Relocate

Datastore > Allocate Space

Question No : 17

A vSphere Administrator wants to reserve 0.5 Gbps for virtual machines on each uplink on a disturbed switch that has 10 uplinks.

What is the quota that should be reserved for the network resource pool?

A. 10 Gbps
B. 5 Gbps
C. 100 Gbps
D. 0.5 Gbps

Answer: B
Explanation:

if the virtual machine system traffic has 0.5 Gbps reserved on each 10 GbE uplink on a distributed switch that has 10 uplinks, then the total aggregated bandwidth available for VM reservation on this switch is 5 Gbps. Each network resource pool can reserve a quota of this 5 Gbps capacity.

Question No : 18

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: A
Explanation:

The correct way to upgrade vSphere is to start with vCenter Server. Then comes ESXi hosts. After that you should upgrade VMware tools and finally virtual machine hardware.

Question No : 19

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: B,D

Question No : 20

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: C,D

Question No : 21

vCenter Server Appliance Instance can be backed up using which Client Interface?

A. vSphere Client Interface
B. vSphere Web Client Interface
C. VMware Host Client Interface
D. Virtual Appliance Management Interface

Answer: D

Question No : 22

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

Question No : 23

A vSphere Administrator attempts to enable Fault Tolerance for a virtual machine but receives the following error:

Secondary VM could not be powered on as there are no compatible hosts that can accommodate it.

What two options could cause this error? (Choose two.)

A. The other ESXi host(s) are in Maintenance Mode.
B. Hardware virtualization is not enabled on the other ESXi host(s).
C. The other ESXi host(s) are in Quarantine Mode.
D. Hardware MMU is enabled on the other ESXi host(s).

Answer: A,B

Question No : 24

Which feature facilitates the sharing of templates via vCenter Server?

A. Content Library
B. OVF
C. folders
D. vApp

Answer: A

Question No : 25

What counter should an administrator check to determine if a virtual machine is ballooning?

A. swapinRate
B. vmmemctltarget
C. swapped
D. vmmemctl

Answer: D

Question No : 26

Which two statements are true about Highly Available vSphere Auto Deploy infrastructure?
(Choose two.)

A. It helps prevent data loss.
B. It is a prerequisite for using vSphere Auto Deploy with stateful install.
C. It requires two or more Auto Deploy servers.
D. It is a prerequisite for using vSphere Auto Deploy with stateless caching.

Answer: A,D

Question No : 27

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. Hardware Dependent iSCSI initiator

Answer: A
Explanation:

Software iSCSI Adapter
A software iSCSI adapter is a VMware code built into the VMkernel. It allows your host to
connect to the iSCSI storage device through standard network adapters. The software
iSCSI adapter handles iSCSI processing while communicating with the network adapter.
With the software iSCSI adapter, you can use iSCSI technology without purchasing
specialized hardware.

Question No : 28

What is the correct way to replace the certificate on an existing vCenter Server that is part
of a vCenter HA configuration?

A. Put the vCenter HA in Maintenance mode, replace the certificate, exit Maintenance mode.
B. Shut down Passive and Witness nodes and replace the certificate on the Active node.
C. Remove the Passive and Witness nodes, replace the certificate, reconfigure the cluster.
D. Replace the certificate while all nodes are participating in the cluster.

Answer: C

Question No : 29

Which three storage protocols are supported by Virtual Volumes? (Choose three.)

A. FCIP
B. FCoE
C. iSCSI
D. NFS v3
E. NFS v4

Answer: B,C,D
Explanation:

Virtual Volumes supports NFS version 3 and 4.1, iSCSI, Fibre Channel, and FCoE.

Question No : 30

The administrator must back up a vCenter HA deployment.

Which component must be backed up?

A. Passive node
B. Witness node
C. External database
D. Active node

Answer: D
Explanation:

When taking backups, avoid backing up the Passive and Witness nodes. Just take a backup of the Active node. When restoring an Active node, you must remove all the cluster configuration, restore and re-create the HA cluster.

Question No : 31

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: B,C,E
Explanation:

Local Libraries
Subscribed Libraries (You subscribe to a published library by creating a subscribed library.)

Question No : 32

Which two storage configurations on the source server are unsupported with VMware Converter? (Choose two.)

A. Linux LVM
B. software RAID
C. GPT/MBR hybrid disks
D. Windows basic volumes
E. Windows dynamic volumes

Answer: B,C

Question No : 33

A security officer has issued a new directive that users will no longer have access to change connected network adapters to limit denial of service on a virtual machine.

Which two correct virtual machine advanced configuration parameters will accomplish this? (Choose two.)

A. isolation.device.edit.disable = "FALSE"
B. isolation.device.edit.disable = "TRUE"
C. isolation.device.connectable.disable = "FALSE"
D. isolation.device.connectable.disable = "TRUE"

Answer: B,D

Question No : 34

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: A,B,D
Explanation:

A set of privileges to allow the user to interact with a virtual machine's console, insert media, and perform power operations.

Question No : 35

An administrator is trying to set up Host Partial Failure Response, but the Automated option is grayed out.

What can the administrator change to enable the Automated option?

A. Change the vSphere DRS Automation level to Partially Automated.
B. Change the vSphere DRS Automation level to Fully Automated.
C. Enable vSphere HA Host Monitoring.
D. Change the vSphere DPM Automation level to Automatic.

Answer: C

Question No : 36

Which two components are part of storage I/O multipathing on ESXi? (Choose two.)

A. SATP
B. VASA
C. PSP
D. VAAI

Answer: A,C
Explanation:

The NMP associates a set of physical paths with a specific storage device, or LUN. The specific details of handling path failover for a given storage array are delegated to a Storage Array Type Plug-In (SATP). The specific details for determining which physical path is used to issue an I/O request to a storage device are handled by a Path Selection Plug-In (PSP). SATPs and PSPs are sub plug-ins within the NMP module.
Reference https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc_50%2FGUID-9DED1F73-7375-4957-BF69-41B56C3E5224.html

Question No : 37

Which metric in the Exhibit would identify high latency for a storage device?

ADAPTR PATH	NPTH	CMDS/s	READS/s	WRITES/s	MBREAD/s	MBWRTN/s	DAVG/cmd	KAVG/cmd	GAVG/cmd	QAVG/cmd

6:16:06 pm up 77 days 19:07, 817 worlds, 15 VMs, 30 vCPUs; CPU load average: 0.06, 0.07, 0.07

ADAPTR PATH	NPTH	CMDS/s	READS/s	WRITES/s	MBREAD/s	MBWRTN/s	DAVG/cmd	KAVG/cmd	GAVG/cmd	QAVG/cmd
vmhba0 -	1	0.76	0.19	0.57	0.00	0.00	0.08	0.01	0.09	0.00
vmhba1 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba2 -	0	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 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba34 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba35 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba36 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba37 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba38 -	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba39 -	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vmhba40 -	12	52.64	1.34	49.78	0.00	1.72	3.91	0.01	3.92	0.00

A. QAVG/cmd
B. KAVG/cmd
C. DAVG/cmd
D. GAVG/cmd

Answer: C

Question No : 38

What is the minimum number of hosts that must contribute capacity to a non-ROBO single site VMware vSAN cluster?

A. 1
B. 64
C. 3
D. 2

Answer: C
Explanation:

A minimum of three hosts must contribute capavity to non-ROBO single site.

Question No : 39

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: B,D,E
Explanation:

Select Turn on Proactive HA.
Click Proactive HA Failures and Responses.
Select from the following configuration options.

Option
Description
Automation Level
Determine whether host quarantine or maintenance mode and VM migrations are recommendations or automatic.
Remediation
Determine what happens to partially degraded hosts.
Host.Config.Quarantine and Host.Config.Maintenance privileges are required to put hosts in Quarantine mode and Maintenance mode, respectively.

Question No : 40

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: B

Question No : 41

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: A,D
Explanation:

The vSAN network supports both IPv4 and IPv6.

Question No : 42

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: A,C,E
Explanation:

* A VMkernel adapter for vMotion is required both on the source and the target hosts. Configure The VMkernel adapters for vMotion to handle only the vMotion traffic.
* A separate VMkernel adapter for Fault Tolerance logging is required on every host that is part of a vSphere HA cluster.
* Every host that participates in a vSAN cluster must have a VMkernel adapter to handle the vSAN traffic.

Question No : 43

Which is the correct sequence to upgrade a vSphere infrastructure?

A. vCenter Server>ESXi host> VMware Tools>VM compatibility
B. ESXi host>vCenter Server> VMware Tools>VM compatibility
C. vCenter host> ESXi host> VM compatibility> VMware Tools
D. ESXi host>vCenter Server> VM compatibility>VMware Tools

Answer: A

Question No : 44

Which CLI command shows the physical uplink status for a vmnic?

A. esxcli network ip connection list
B. esxcli network ip neighbor list
C. esxcli network nic get
D. esxcli network nic list

Answer: D

Question No : 45

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 is use is incompatible.
D. UNMAP is automated for VMFS6.

Answer: D

Explanation:

VMFS 6 is the new filesystem of vSphere 6.5. The new filesystem supports 512e advanced format drives and is 4098 sector (4K) aligned. It also supports automatic UNMAP, which asynchronously tracks freed blocks and sends UNMAPs to backend storage in background.

Question No : 46

What three conditions could result in VMware Flash Read Cache being unable to claim a disk? (Choose three.)

A. The disk is not listed in the VMware hardware compatibility guide.
B. The disk is not detected as an SSD.
C. The disk is not detected as local.
D. The disk is in use by VMFs.

Answer: B,C,D

Question No : 47

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

A. Host Customizations
B. shared storage

C. Auto Deploy
D. vRealize Suite

Answer: A,C

Question No : 48

Which three VMware-recommended best practices should an administrator follow before upgrading to vSphere 6.5? (Choose three.)

A. Disconnect ESXi host from vCenter.
B. VMware Tools are installed in the virtual machine.
C. Ensure that the system hardware complies with ESXi requirements.
D. Back up the host.
E. Check the interoperability of any other software integrated with vSphere.

Answer: C,D,E
Explanation:

As is logical for any software update, first backup the host. The check to ensure system hardware compatibility according to ESXi requirements. You also need to check interoperability of software integrated with vSphere.

Question No : 49

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 1TB VMDK attached.
E. The virtual machine has snapshots present.

Answer: C,E

Explanation:

The following vSphere features are not supported for fault tolerant virtual machines.

Snapshots. Snapshots must be removed or committed before Fault Tolerance can be enabled on a virtual machine. In addition, it is not possible to take snapshots of virtual machines on which Fault Tolerance is enabled.

Licensing
The number of vCPUs supported by a single fault tolerant VM is limited by the level of licensing that you have purchased for vSphere. Fault Tolerance is supported as follows:

vSphere Standard and Enterprise. Allows up to 2 vCPUs

vSphere Enterprise Plus. Allows up to 4 vCPUs

Question No : 50

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

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

Answer: A,B
Explanation:

Two-Factor Authentication Methods
The two-factor authentication methods are often required by government agencies or large enterprises.

Smart card authentication
Smart card authentication allows access only to users who attach a physical card to the USB drive of the computer that they log in to. An example is Common Access Card (CAC) authentication.

The administrator can deploy the PKI so that the smart card certificates are the only client certificates that the CA issues. For such deployments, only smart card certificates are presented to the user. The user selects a certificate, and is prompted for a PIN. Only users who have both the physical card and the PIN that matches the certificate can log in.

RSA SecurID Authentication
For RSA SecurID authentication, your environment must include a correctly configured RSA Authentication Manager. If the Platform Services Controller is configured to point to the RSA server, and if RSA SecurID Authentication is enabled, users can log in with their user name and token.

See the two vSphere Blog posts about RSA SecurID setup for details.

Question No : 51

Which three operations can cause VMFS metadata updates? (Choose three.)

A. Restarting a VM using the guest OS.
B. Launching a VM console.
C. Migrating a VM with vMotion.
D. Powering a VM on or off.
E. Expanding a VMFS datastore.

Answer: C,D,E
Explanation:

Metadata is updated each time you perform datastore or virtual machine management operations. Examples of operations requiring metadata updates include the following:

Question No : 52

An attempt to delete NFS datastore from a ESXi host returns the error:

Sysinfo error on operation returned the following status: Busy

Which two statements could explain this failure? (Choose two.)

A. NFS datastore is a part of Storage DRS Cluster.
B. NFS.VolumeRemountFrequency value is set to 30.
C. Storage I/O Control is enabled on NFS datastore.
D. NFS datastore has running or registered virtual machines.

Answer: C,D

Explanation:

The busy status indicated that either storage I/O control is enabled on NFS datastore or the NFS datastore is running on registered virtual machines. In both cases, sysinfo error on operation will be returned with busy status.

Question No : 53

Which three statements are correct regarding booting an ESXi Host from Fibre Channel SAN? (Choose three.)

A. Direct connect topology is supported.
B. Each host must have its own boot LUN.
C. ESXi hosts do not require local storage.
D. Multipathing to a boot LUN on an active-passive array is supported.
E. Hosts can share one common boot LUN.

Answer: A,B,C

Question No : 54

What new feature was introduced to the Content Library in vSphere 6.5?

A. Mount an ISO directly from the Content Library.
B. Deploy a virtual machine from an OVF Package in a Content Library.
C. Upload a File from a URL to a Library Item.
D. Upload a File from a Local System to a Library Item.

Answer: A

Explanation:

Explanation

WMware vSphere 6.5 enhances the Content Library with three new options: mount an ISO from the content library, update existing templates and apply guest OS customization specifications during a VM deployment. These new features help plug holes in and expand other capabilities introduced in the original version.

The first of these capabilities -- mounting an ISO from the Content Library is useful because it eliminates the need to store ISO images on a data store but keeps the images readily accessible.

Reference http://searchvmware.techtarget.com/answer/How-does-VMware-vSphere-65-improve-its-Content-Library

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Question No : 55

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: C,D,E

Question No : 56

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

Question No : 57

An administrator sets the Failover Capacity for both CPU and Memory at 25%.

Based on the Exhibit below, how much of the cluster's total CPU resources are still available to power on additional virtual machines?
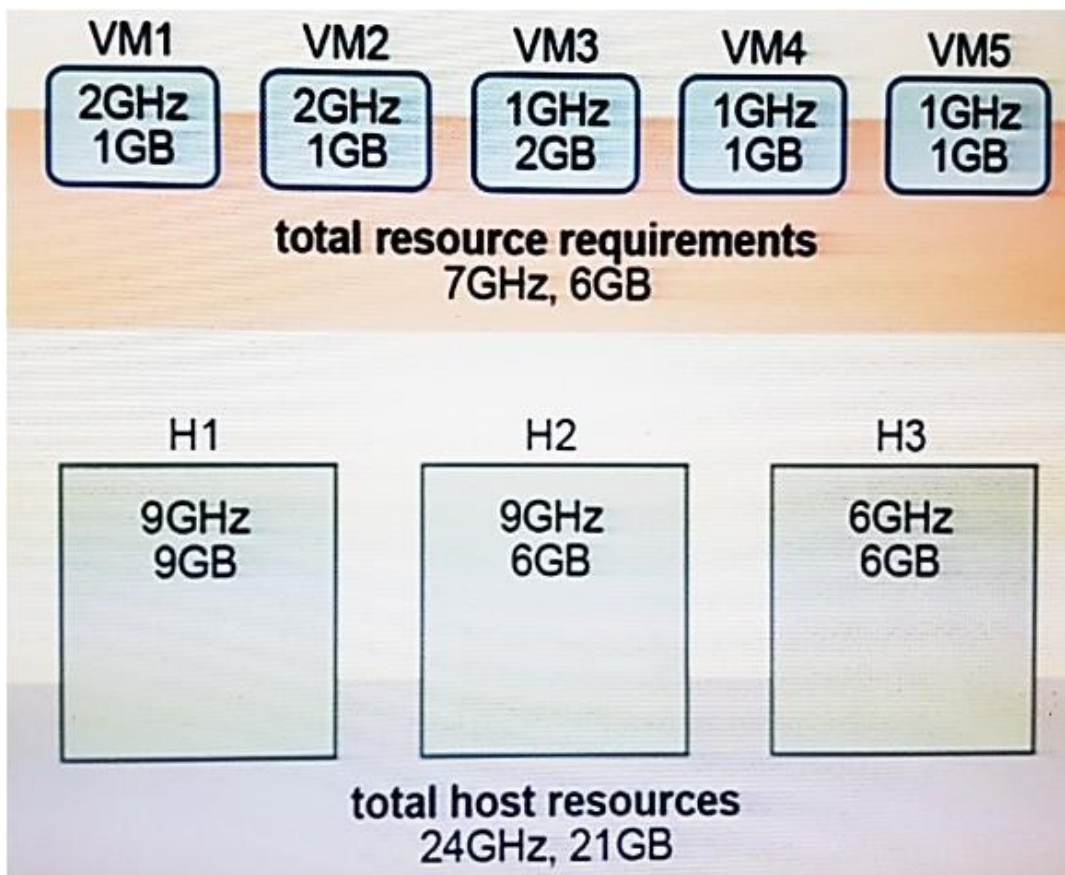
A. 45%
B. 25%
C. 70%

D. 60%

Answer: A

Question No : 58

A Telco customer is implementing NFV using vSphere as the virtualization platform.

Which feature can help achieve a high packet rate with lower CPU consumption?

A. Network I/O Control
B. SplitRX
C. ERSPAN
D. LACP

Answer: B
Explanation:

SplitRx mode will typically improve throughput and maximum packet rates.

Question No : 59

What tool can capture network traffic at the uplinks, or vSwitch, or virtual port levels?

A. tcpdump-uw
B. wireshark
C. pktcap-uw
D. pcap

Answer: C

Question No : 60

Which two statements describe why a vSphere DRS cluster would report load imbalance? (Choose two.)

A. The configured migration threshold is too high.
B. The configured migration threshold is too low.
C. DRS is configured for Partially Automated.
D. Enhanced vMotion Compatibility (EVC) is enabled.

Answer: A,C

Question No : 61

What two services run on all nodes in a vCenter Server HA cluster? (Choose two.)

A. vmware-vmon
B. vmware-vpostgres
C. vmare-rbd-watchdog
D. vmware-vcha

Answer: A,D

Question No : 62

An administrator finds that the Microsoft Exchange virtual machines are exhibiting network latency.

What two in-guest changes can help decrease latency? (Choose two.)

A. LRO
B. TSO
C. SR-IOV
D. RVRDMA

Answer: A,B
Explanation:

Using TSO and LRO on physical and virtual machine NICs improves the performance of ESX/ESXi hosts by reducing the CPU overhead for TCP/IP network operations. The host

uses more CPU cycles to run applications.

If TSO is enabled on the transmission path, the NIC divides larger data chunks into TCP segments. If TSO is disabled, the CPU performs segmentation for TCP/IP.
TSO is referred to as LSO (Large Segment Offload or Large Send Offload) in the latest VMXNET3 driver attributes.
LRO reassembles incoming network packets into larger buffers and transfers the resulting larger but fewer packets to the network stack of the host or virtual machine. The CPU has to process fewer packets than when LRO is disabled, which reduces its utilization for networking.

Restoration of the vCenter Server Appliance is accomplished using which interface?

A. vSphere Web Client
B. vSphere Client
C. vCenter Server ApplianceManagement Interface
D. vCenter Server ApplianceGUI Installer

Answer: D
Explanation:
Explanation
You can also perform a restore operation by deploying a new vCenter Server Appliance and using the vCenter Server Appliance management interface to copy the data from the file-based backup to the new appliance.

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
Explanation:

Round-Trip Time for Long-Distance vMotion Migration

If you have the proper license applied to your environment, you can perform reliable migrations between hosts that are separated by high network round-trip latency times. The maximum supported network round-trip time for vMotion migrations is 150 milliseconds. This round-trip time lets you migrate virtual machines to another geographical location at a longer distance.

Question No : 65

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
Explanation:

LUNs per server 512

Question No : 66

Which two storage technologies are supported for MSCS? (Choose two.)

A. NFS
B. VAAI
C. iSCSI
D. FC

Answer: C,D

Question No : 67

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

Explanation:

Enter a valid VLAN ID in the field. This information is required for Remote Mirroring Source port mirroring sessions.

Question No : 68

Which two statements about vCenter HA are correct? (Choose two.)

A. ESXi 5.5 or later is required.
B. vCenter HA network latency between nodes must be less than 50 ms.
C. NFS datastore is supported.
D. It must be deployed on a 3 ESXi host cluster with DRS enabled.

Answer: A,C

Question No : 69

The vSphere Data Protection performance analysis results in the "Conditionally Passed" status.

What can cause this condition?

A. The results did not meet the minimum performance expectations.
B. The read, write, and seek tests were successful.
C. The read and write tests were successful but the seek test failed.
D. The read and write tests were successful but the seek test skipped.

Answer: C

Question No : 70

The business managers have asked the IT administrator to ensure configuration compliance in the vSphere infrastructure. The IT administrator wants to use Host Profiles to accomplish this, but is unable to do so.

Why is the administrator unable to use Host Profiles?

A. The infrastructure uses a vSphere Standard license.
B. The infrastructure has servers with various CPU families.
C. The user has only the "Administrator" role.
D. Host Profiles apply only to storage settings.

Answer: A
Explanation:

The administrator is unable to use host profiles because host profiles are not supported with vSphere standard license. For host profile, you need vsphere Enterprise plus license.

Question No : 71

"OneAppServer" is a VM template stored in a content library named "LibraryOne", but the vSphere administrator is not able to use this template for deployment.

Why is the administrator unable to deploy OneAppServer?

A. OneAppServer must be updated before it can be deployed.
B. LibraryOne is a subscribed library and OneAppServer is not downloaded yet.
C. LibraryOne is published and optimized for syncing over HTTP.
D. OneAppServer was imported from a local file on the system.

Answer: C

Explanation:

The administrator is unable to deploy OneAppServer because LibraryOne is publish and optimized for syncing over HTTP. If the syncing is enabled, you cannot use this template for deployment.

Question No : 72

vSphere DRS helps to balance virtual machines with available resources in a vSphere cluster.

What three types of resources can be taken into account for balancing? (Choose three.)

A. CPU
B. physical NIC saturation of an ESXi host
C. virtual NIC saturation of a virtual machine
D. RAM
E. storage latency

Answer: A,B,D

Explanation:

Balancing is all about computing resources like CPU, RAM and physical NIC saturation. Vsphere DRS uses CPU, RAM and NIC to load balance virtual machines with available resources.

Question No : 73

A vSphere Administrator must ensure that vCenter Server service is running in a domain user account rather than Local System Account.

To accomplish this, the user account should have which two permissions? (Choose two.)

A. Log on as a service.
B. Act as part of the operating system.
C. Log on as a batch job.
D. Log on locally.

Answer: A,B
Explanation:

On each system that is running vCenter Server, verify that the domain user account has these permissions:

Question No : 74

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 No : 75

The virtual machine log rotation size can be changed for all VMs by which two interfaces? (Choose two.)

A. PowerCLI
B. vSphere Web Client
C. ESXi host client
D. esxcli

Answer: A,B

Question No : 76

A vSphere Administrator must ensure that a user is able to view and manage the system configuration in vSphere Web Client.

In the vCenter Single Sign-On domain, which group should the user be a part of?

A. SystemConfiguration.BashShellAdministrators
B. ComponentManager. Administrators
C. Administrators
D. SystemConfiguration.Administrators

Answer: D

Question No : 77

Which storage feature always requires the use of third-party software on ESXi?

A. Hardware Acceleration for NAS devices
B. VVOL
C. Hardware Acceleration for Block Devices