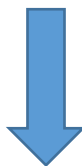# VMware VCP6.5-DCV Certification 2V0-622D Exam

➤ **Vendor: VMware**

➤ **Exam Code: 2V0-622D**

➤ **Exam Name: VMware Certified Professional 6.5 - Data Center Virtualization Delta Exam**

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https://www.passleader.com/2v0-622d.html

QUESTION 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: CE
Explanation:
https://blogs.vmware.com/vsphere/2017/01/vcenter-server-appliance-6-5-migration-walkthrough.html

QUESTION 2
Which Host Profile Subprofile configuration is used to configure firewall settings for ESXi hosts?

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

Answer: A
Explanation:
http://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmw-host-profiles-tech-overview-white-paper.pdf

QUESTION 3
It is determined that the Migration Assistant will be used to migrate from vCenter Server 5.5 on Windows with an external instance of Update Manager to a vCenter Server Appliance 6.5. Which option is correct in regard to migrating Update Manager?

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

Answer: A

QUESTION 4
An administrator is attempting to access an ESXi host via the DCUI but is unable to do so. Which could be two possible causes? (Choose two.)

A. The host in question has no out-of-band management capability (i.e. iLO/iDRAC).
B. The SSH service is disabled on the host.
C. Strict lockdown mode is enabled on the host.
D. Normal lockdown mode is enabled and the administrator is a member of the Exception User list.
E. The DCUI service is disabled on the host.

Answer: DE

QUESTION 5
Where would a vSphere administrator find general vCenter Server logs on a vCenter Server Appliance?

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

Answer: C

QUESTION 6
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: CD
Explanation:
https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1011345

QUESTION 7
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:
https://blogs.vmware.com/vsphere/2011/08/vsphere-5-new-networking-features-port-mirroring.html

QUESTION 8
Which are three supported storage requirements for vCenter Server HA? (Choose three.)

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

Answer: ACD

QUESTION 9

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

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

Answer: AD
Explanation:
https://pubs.vmware.com/vsphere-65/topic/com.vmware.ICbase/PDF/virtual-san-65-administration-guide.pdf

QUESTION 10
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 11
Which three prerequisites must be in place prior to enabling secure boot for a virtual machine? (Choose three.)

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

Answer: ACE
Explanation:
https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc%2FGUID-898217D4-689D-4EB5-866C-888353FE241C.html

QUESTION 12
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:
https://www.vmware.com/pdf/vsphere6/r65/vsphere-65-configuration-maximums.pdf

QUESTION 13
A user is given the "Virtual machine user (sample)" role in a vSphere 6.x environment. Which three permissions would the user be able to perform? (Choose three.)

A. Reset a virtual machine.
B. Power on a virtual machine.
C. Move a host into a cluster.
D. Configure CD media.
E. Migrate a virtual machine with Storage vMotion.

Answer: ABD

QUESTION 14
Which setting will allow a virtual machine to have direct secure access to an RDM?

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

Answer: C

QUESTION 15
When performing a vCenter Server 5.5 for Windows with Microsoft SQL Server Express database migration to vCenter Server Appliance 6.5, which will be the target database?

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

Answer: C
Explanation:
The vCenter Server 6.0 embedded Microsoft SQL Server Express database is replaced with an embedded PostgreSQL database during the upgrade to vCenter Server 6.5. The maximum inventory size that applied for Microsoft SQL Server Express still applies for PostgreSQL.
https://docs.vmware.com/en/VMware-vSphere/6.5/vsphere-esxi-vcenter-server-65-upgrade-guide.pdf

QUESTION 16
Which three are supported upgrade processes for ESXi host? (Choose three.)

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

Answer: ACD
Explanation:
https://pubs.vmware.com/vsphere-60/topic/com.vmware.ICbase/PDF/vsphere-esxi-vcenter-server-60-upgrade-guide.pdf

QUESTION 17
When enabling Storage DRS on a datastore cluster, which three components are enabled as a result? (Choose three.)

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

Answer: ABC
Explanation:
https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-19B6F05F-D285-4ACB-9B13-24A1DE9B4058.html

QUESTION 18
An administrator has multiple vCenter Server 6.5 systems but cannot enable Storage I/O Control (SIOC) on a datastore shared by ESXi hosts managed by the vCenter Server systems. Which action should the administrator take to resolve the issue?

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

Answer: B

QUESTION 19
In a vSphere 6.5 cluster, the administrator notices that it is possible to set a percentage in the DRS option, "Control CPU over-commitment in the cluster." Which is the purpose of this setting?

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

Answer: A
Explanation:
https://www.starwindsoftware.com/blog/vsphere-6-5-ha-drs-improvements-part-2

QUESTION 20
An administrator has decided to use Auto Deploy in the environment. Which two considerations must be taken into account before configuring Auto Deploy? (Choose two.)

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

E. A TFTP server must be setup and running.

Answer: CE
Explanation:
https://pubs.vmware.com/vsphere-
50/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc_50%2FGUID-21FF3053-F77C-49E6-
81A2-9369B85F5D52.html

QUESTION 21
Which two encryption keys does the host use when encrypting virtual machine files? (Choose two.)

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

Answer: CD
Explanation:
https://pubs.vmware.com/vsphere-
65/index.jsp?topic=%2Fcom.vmware.wssdk.pg.doc%2FPG_VM_Encryption.14.2.html

QUESTION 22
An administrator wants to upgrade ESXi 5.5 hosts to ESXi 6.5 using Update Manager. When
performing a scan for baseline compliance, the host's status is marked Compliant. Which has
happened?

A. Host must be version 6.0 in order to upgrade to 6.5.
B. Host has some third-party software installed.
C. Host has no upgrade baseline attached.
D. Host hardware is not supported for upgrade.

Answer: C

QUESTION 23
A VM-Host affinity rule states that VM group "X" must run on hosts in group "Y". If all ESXi hosts in
group "Y" fail, which is the resulting behavior with vSphere HA enabled?

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

Answer: D

QUESTION 24
An administrator wants to ensure that any virtual machine added to a certain port group always has
sufficient network resources. Network I/O Control version 3 has been enabled on the Distributed
Switch. Which three steps will achieve this objective? (Choose three.)

A. Reserve bandwidth for virtual machine system traffic on the Distributed Switch Port Group.

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

Answer: ACE

QUESTION 25
An administrator would like to configure vSphere HA to use two isolation addresses. How would this affect the behavior of HA?

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

Answer: C

QUESTION 26
ESXi hosts with 10Gbps network cards are attached to a distributed switch. The administrator has upgraded to NIOC3 and wants to allow vMotion traffic to use as much bandwidth as possible but must ensure that other services always have sufficient bandwidth. How can this be done?

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

Answer: D

QUESTION 27
An administrator notices that a virtual machine running SQL Server is not performing as expected.
`vmware.log> vmx| W110: NUMA and VCPU hot add are incompatible. Forcing UMA`
How can the administrator resolve this issue?

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

Answer: A
Explanation:
http://vspheres.blogspot.com/2012/02/nasty-bug-in-esxi-5-with-hot-add-cpu.html

QUESTION 28
An administrator wants to create and use a vApp. Which pre-requisite must be met before the administrator can create a vApp?

A. The vApp can only be deployed in an EVC enabled cluster.
B. The vApp must be created within a StorageDRS cluster.

C. None. vSphere 6.5 does not support vApp deployments.
D. The vApp can only be created in a DRS enabled cluster.
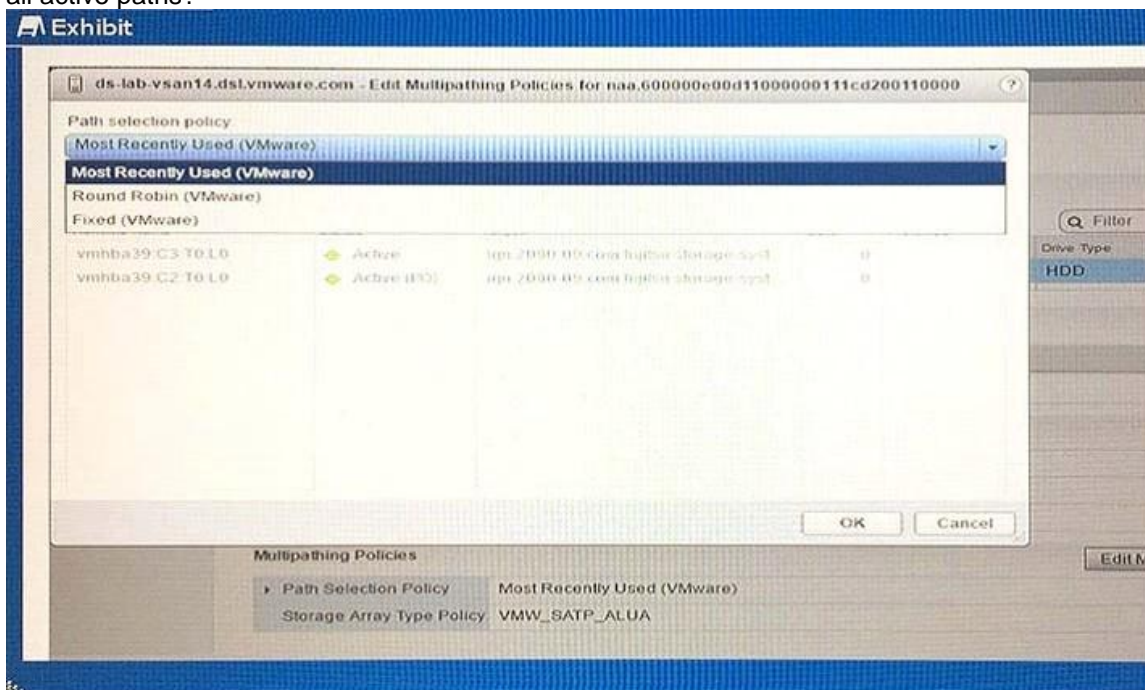
Answer: D

QUESTION 29
An administrator is using virtual machine encryption in their vSphere 6.5 environment. The Key Management Server (KMS) has experienced a critical failure. Which two statements are true about VM encryption when the KMS is not available? (Choose two.)

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

Answer: BC

QUESTION 30
Examine the LUN properties that are shown in the exhibit. Which action should be taken to utilize all active paths?

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

Answer: D

QUESTION 31
Which action can the Hybrid Cloud Manager perform?

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

Answer: D
Explanation:
http://www.vmware.com/cloud-services/management/vcloud-air-hybrid-cloud-manager.html

QUESTION 32
A company has requested that a plan for Auto Deploy be built using VMware-recommended best practices for networking. Which two considerations adhere to VMware-recommended networking best practices for Auto Deploy? (Choose two.)

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

Answer: DE
Explanation:
http://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc%2FGUID-980D9E38-633E-4557-9144-AC422FA239C5.html

QUESTION 33
Which happens if the swap file of a virtual machine is inaccessible to the destination host during a vMotion?

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

Answer: A

QUESTION 34
Which two partitions are used for the VMware vCenter Server Appliance embedded vPostgres database? (Choose two.)

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

Answer: CD

Explanation:
http://radiocuba82.blogspot.com/2015/05/vcenter-server-appliance-full-database.html

QUESTION 35
An administrator is investigating virtual machine performance issues using ESXTOP. The ESXi host does not have hyperthreading enabled. Which statistics would be relevant for troubleshooting VM performance issues?

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

Answer: A
Explanation:
http://www.computerweekly.com/tip/Troubleshooting-VM-performance-capacity-management-woes

QUESTION 36
Which are two Storage DRS requirements? (Choose two.)

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

Answer: BC
Explanation:
https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-34A10B42-C79E-491C-A5AA-99E3B5FA2278.html

QUESTION 37
An administrator notices that a host is evacuating all virtual machines and entering maintenance mode even though the host appears to be up and running. Which new feature in vSphere 6.5 would cause this?

A. Predictive DRS
B. EVC Mode
C. vCenter HA
D. Proactive HA

Answer: C

QUESTION 38
An administrator wants to clone the configuration of an existing ESXi 6.x host to a new group of hosts, but does not want to clone storage specific settings. Which action would accomplish this?

A. Uncheck sub-profile
B. Remove sub-profile
C. Revert profile

D. Disable VM Storage Profile

Answer: B

QUESTION 39
Which two statements are true regarding upgrading ESXi 6.x hosts using a USB flash drive? (Choose two.)

A. The ks.cfg file must be available to the ESXi 6.x host during bootup on a TFTP server.
B. The USB flash drive must be formatted using Fat32.
C. A partition table must be manually created on the USB flash device.
D. The USB flash drive must be mounted from a Windows device with sysconfig installed.

Answer: BC

QUESTION 40
An administrator is configuring resource pools for a vSphere 6.x cluster. The cluster has these characteristics:
- Five ESXi 6.x hosts
- Six cores per host
- 70 virtual machines with 1 vCPU each
The administrator configures three resource pools and places the virtual machines into the pools, as follows:
- Production pool - High Share value with 40 virtual machines
- Infrastructure pool - Medium Share value with 20 virtual machines
- Development pool - Low Share value with 10 virtual machines
Given this configuration, what is the expected performance for each group of virtual machines during contention?

A. Virtual machines in the Production pool will perform two times as well as those in the Infrastructure pool.
B. Virtual machines in the Infrastructure pool will perform four times as well as those in the Development pool.
C. Virtual machines in all resource pools will perform equally.
D. Virtual machines in the Development pool will perform two times as well as those in the Infrastructure pool.

Answer: C

QUESTION 41
When operating with Distributed Resource Scheduler (DRS) and Distributed Power Management (DPM), what two statements explain the impact of disabling vSphere High Availability admission control? (Choose two.)

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

Answer: CD

QUESTION 42
An administrator is configuring Storage I/O Control. After enabling, the administrator notices high device latency and poor storage performance. Which two actions would likely reduce latency and

improve functionality? (Choose two.)

A. Set the congestion threshold to 15ms
B. Set the congestion threshold value to 5ms
C. Ensure that each datastore has independent spindles
D. Ensure that each datastore uses shared spindles

Answer: AC

QUESTION 43
An administrator wants to ensure that all datastores defined on an ALUA-based storage array have load balancing enabled by default. The storage configuration is:
- Storage Array Type = VMW_SATP_DEFAULT_AA
- Path Selection Policy = VMW_PSP_FIXED
Which configuration would support the stated requirements?

A. Change the Storage Array Type Policy to = VMW_SATP_ALUA and the Path Selection Policy = VMW_PSP_RR.
B. Change the Path Selection Policy = VMW_PSP_RR and leave the Storage Array Type Policy as is.
C. Change the Storage Array Type Policy to = VMW_SATP_ALUA and leave the Path Selection Policy as is.
D. Change the Path Selection Policy = NMP and leave the Storage Array Type Policy as is.

Answer: A

QUESTION 44
An administrator has configured Network I/O Control to support bandwidth allocation to a group of virtual machines running on a vSphere 6.x HA/DRS Cluster. Which two conditions would cause DRS to migrate one of these virtual machines to another host in the cluster? (Choose two.)

A. The reservation is changed to a value that the initial host can no longer satisfy.
B. A physical adapter that carries traffic from the virtual machine is offline.
C. A physical adapter cannot supply the minimum bandwidth in accordance with the teaming policy.
D. A reservation for a VM network adapter is less than the free quota in the network resource pool.

Answer: AB

QUESTION 45
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 condition would explain why none of the hosts are able to receive a valid DHCP address?

A. The BIOS DHCP File Name was incorrectly entered on the DHCP server.
B. The DHCP scope was set too small.
C. The DHCP lease duration is set too short.
D. The Boot Server Host Name has been set to the TFTP server.

Answer: A

QUESTION 46
When using "Cluster resource percentage" for host failover capacity in vSphere HA Admission Control, the total resource requirements are calculated from which two values? (Choose two.)

A. Total vCPUs assigned to each VM.

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

Answer: BE
Explanation:
http://www.enterprisedaddy.com/2016/10/vmware-vsphere-6-5-new-features-ha/

QUESTION 47
Which are four attributes of the Active vCenter HA node? (Choose four.)

A. It uses the vCenter HA network to communicate with the Witness node.
B. It constantly replicates vPostgres data with the Witness node.
C. It uses a public IP address for the management interface.
D. It runs the active vCenter Server Appliance instance.
E. It uses the vCenter HA network for replication of data.
F. It provides a quorum to protect against split-brain situations.

Answer: ACDE
Explanation:
https://pubs.vmware.com/vsphere-
65/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc%2FGUID-2D395533-4C7C-45A6-9B5C-
0A78C3E3A5C8.html

QUESTION 48
Which are two vCenter Server two-factor authentication methods? (Choose two.)

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

Answer: AB
Explanation:
https://pubs.vmware.com/vsphere-
60/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc%2FGUID-ACFFCBEC-6C1C-4BF9-
9971-04AEE9362AFE.html

QUESTION 49
An administrator is creating VMkernel adapters on an ESXi 6.5 host and wants to create separate
VMkernel adapters for every type of traffic in the default TCP/IP stack. Which three types of traffic
can be explicitly enabled on a separate VMkernel adapter? (Choose three.)

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

Answer: CDE

QUESTION 50
A vSphere administrator wants to upgrade NFS3 datastores to NFS4.1 on ESXi 6.5 hosts with running production virtual machines. Which option is valid?

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

Answer: C
Explanation:
https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-8A929FE4-1207-4CC5-A086-7016D73C328F.html (NFS version upgrades)

QUESTION 51
Your management has asked you to project your anticipated virtual machine storage needs over the next 18 months. Which technology would help provide the required information?

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

Answer: B

QUESTION 52
What is an availability challenge that vSphere can address?

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

Answer: A

QUESTION 53
What are two benefits of datacenter virtualization? (Choose two.)

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

Answer: CD

QUESTION 54
Your company is planning to migrate your datacenter to a new location, but they wish to minimize downtime during the transition. You are entirely virtualized at your primary datacenter, and have

been given funding to acquire new hardware for the new datacenter. Which of the following products can help you migrate the VMs to the new datacenter?

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

Answer: C

QUESTION 55
What is a feature of vSphere?

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

Answer: A

QUESTION 56
You are discussing virtual networking with a colleague. She asks you which type of virtual switch supports the advanced networking option called Port Mirroring. Which of the following is the correct answer?

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

Answer: B

QUESTION 57
An administrator notices that the time on an ESXi 6.x host is incorrect. Which two actions should the administrator take to correct this issue? (Choose two.)

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

Answer: AB

QUESTION 58
An administrator is planning a vSphere infrastructure with the following specific networking requirements:
- The ability to shape inbound (RX) traffic
- Support for Private VLANs (PVLANs)
- Support for LLDP (Link Layer Discovery Protocol)
What is the minimum vSphere Edition that will support these requirements?

A. vSphere Essentials Plus

B. vSphere Standard
C. vSphere Enterprise
D. vSphere Enterprise Plus

Answer: D

QUESTION 59
An administrator has upgraded to vSphere 6.5 and also wants to use Kerberos authentication for NFS. Which can be done to the existing NFSv3 volumes to enable this feature?

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

Answer: A

QUESTION 60
An administrator wants to restore the vCenter Server Appliance 6.5 from backup. Where can this be accomplished?

A. from the ESXi Host Client
B. from the VMware vSphere Appliance Management Interface
C. from within the VMware vSphere Web Client
D. from the vCenter Server Appliance Installer
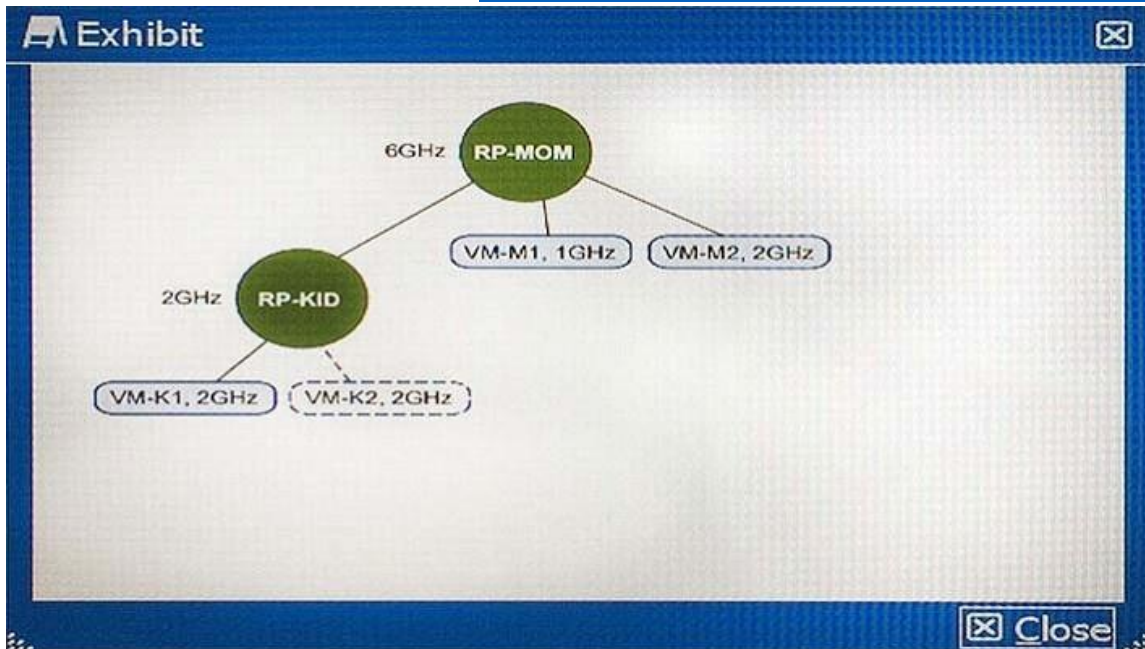
Answer: B
Explanation:
https://www.vladan.fr/vmware-vcsa-6-5-backup-and-restore-how-to/

QUESTION 61
The administrator wants to power on VM-K2, which has a 2GHz CPU reservation. VM-M1, VM-M2, and VM-K1 are all powered on. VM-K2 is not powered on. The exhibit shows the parent and child resource reservations.

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

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

Answer: A

QUESTION 62
Which is the predefined user name when publishing a Content Library?

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

Answer: D
Explanation:
https://vdc-repo.vmware.com/vmwb-repository/dcr-public/9bf3c660-1683-40d5-86be-5b9ac3251c23/d619b70b-9194-4fac-ad36-92cc4669197b/doc/GUID-1C143338-9F15-4474-B773-1EA447B8BFAE.html (see important)

QUESTION 63
Which three types of Content Libraries exist within vSphere 6.5? (Choose three.)

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

Answer: BCE
Explanation:
https://esxsi.com/2016/12/30/content-libraries/

QUESTION 64
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: B
Explanation:
https://pubs.vmware.com/vsphere-
65/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-98901BEE-8675-4D39-
8AA2-E790EE341986.html

QUESTION 65
When installing vCenter Converter Standalone, why must an administrator perform a client-server installation instead of a local installation?

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

Answer: A
Explanation:
https://www.vmware.com/pdf/convsa_61_guide.pdf

QUESTION 66
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: CE
Explanation:
http://www.cloudfix.nl/2015/02/02/vsphere-6-multi-processor-fault-tolerance-smp-ft/

QUESTION 67
What two IT infrastructure components are virtualized by vSphere Essentials? (Choose two.)

A. Networks
B. Applications
C. Storage
D. Management

Answer: AC

QUESTION 68
Which minor badge items make up the Efficiency badge score for an ESXi host in vCenter Operations Manager?

A. Workload, Anomalies, Faults
B. Workload, Stress, Density
C. Time Remaining, Capacity Remaining
D. Reclaimable Waste, Density

Answer: D

QUESTION 69
An administrator has a virtual machine (VM) that uses a shared USB device. Which option will allow the VM to utilize vMotion while retaining the maximum possible functionality?

A. Disable the USB device from the VM.
B. Configure the VM to support vMotion while the device is connected.
C. Enable migration support for the individual USB device.
D. Remove the device from the VM.

Answer: B

QUESTION 70
An administrator is configuring an identity source for Single Sign-On. The administrator will use the machine that Single Sign-On is running on, but does not want all users on the machine to be visibile to SSO. Which Identity Source meets this requirement?

A. Active Directory (Integrated Windows Authentication)
B. Active Directory as an LDAP Service
C. OpenLDAP
D. LocalOS

Answer: A

QUESTION 71
Which two conditions would prevent an administrator from upgrading an existing vCenter Appliance to vSphere 6.x? (Choose two.)

A. The appliance has been configured to use an external Single Sign-On server.
B. The administrator did not export the appliance configuration.
C. The administrator is using an appliance with an embedded Platform Services Controller.
D. The ESXi Host that the appliance will run on has not been placed into Maintenance Mode.

Answer: AB

QUESTION 72
An administrator has configured a cluster with the Host Failures Cluster Tolerates admission control policy, as shown in the exhibit:

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

A. The number of slots per cluster node is four.
B. The cluster can sustain loss of only one node.
C. The number of slots per cluster node is three.
D. The cluster can sustain the loss of two nodes.

Answer: BC

QUESTION 73
An administrator is creating a new Platform Service Controller Password Policy with the following requirements:
```
- Minimum length: Minimum of 8 characters
- Restrict use: 6
- Character requirements: At least one upper-case letter, one number, and
one special character
- Identical adjacent characters: 0
```
When trying to assign the password "P@$$w0rd", the administrator receives an error that the password does not meet the Password Policy requirements. Which part of the Password Policy does this password violate?

A. Minimum length
B. Restrict use
C. Character requirements
D. Identical adjacent characters

Answer: D

QUESTION 74
Which two statements are true regarding upgrading from a Distributed vCenter Server 5.x to vCenter Server 6.x? (Choose two.)

A. vCenter Single Sign-on becomes part of the Platform Services Controller.
B. vCenter Inventory Service becomes part of the Platform Services Controller.
C. The vCenter Server service is not migrated during the upgrade process.
D. The vSphere License Service is migrated to the new vCenter Server 6.x instance.

Answer: AC

QUESTION 75
Which is required by vCenter Converter Standalone to convert a physical Red Hat Enterprise Linux 7 machine to a virtual machine?

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

Answer: C

QUESTION 76
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
Explanation:
https://pubs.vmware.com/vsphere-
50/index.jsp?topic=%2Fcom.vmware.wssdk.pg.doc_50%2FPG_ChA_Diagnostics.19.3.html

QUESTION 77
Which two statements are true for Predictive DRS? (Choose two.)

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

Answer: BD
Explanation:
http://vmpro.at/learning-more-about-predictive-drs/

QUESTION 78
Which two situations could cause a virtual machine to appear with (orphaned) appended to its name? (Choose two.)

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

Answer: AD
Explanation:
https://pubs.vmware.com/vsphere-

60/index.jsp?topic=%2Fcom.vmware.vsphere.troubleshooting.doc%2FGUID-BFD8C9BC-30FB-4A92-AFEC- 2FC9FF387920.html

QUESTION 79
An administrator has recently upgraded from vSphere 6.0 to 6.5, and can no longer see the software iSCSI named vmhba33. Which could be the reason for this?

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

Answer: A
Explanation:
http://pubs.vmware.com/Release_Notes/en/vsphere/65/vsphere-esxi-vcenter-server-65-release-notes.html

QUESTION 80
Which two statements are true about Permanent Device Loss (PDL)? (Choose two.)

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

Answer: AB

QUESTION 81
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:
https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-3B41119A-1276-404B-8BFB-A32409052449.html

QUESTION 82
Which is required for configuring iSCSI Software Adapter network port binding?

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

Answer: D

QUESTION 83
In vSphere Data Protection 6.1, which is the function of a Backup Verification job?

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

Answer: D
Explanation:
http://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vsphere/vmware-vsphere-data-protection-overview.pdf (page 11)

QUESTION 84
Which three requirements are needed to apply RAID 5 or RAID 6 erasure coding on a vSAN 6.2 or 6.5 object? (Choose three.)

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

Answer: ACD
Explanation:
http://www.vmwarearena.com/virtual-san-6-2-raid5raid6-erasure-coding/

QUESTION 85
An administrator has enabled vSphere Distributed Switch Health Check. The hosts connected to that Distributed Switch all display an alert:
- vSphere Distributed Switch MTU supported status
- The administrator has all of the VMkernel ports MTU sizes set to 1600
Which action will remedy this problem?

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

Answer: A

QUESTION 86
An administrator has noticed that virtual machine VM2 in the vApp shown in the exhibit is

demonstrating poor performance.

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

A. Remove the CPU limit on the vApp.
B. Remove the CPU limit on the resource pool.
C. Increase the CPU reservation on virtual machine VM1.
D. Power off virtual machine VM1.
E. Increase the CPU reservation on virtual machine VM2.

Answer: ADE

QUESTION 87
An administrator is creating a new Content Library. It will subscribe to another remote Content Library without authentication enabled. Optimal performance is desired for the configuration. What two steps should be taken to set up the library? (Choose two.)

A. The Subscription URL should be provided.
B. The library should be published externally.
C. A file system should be used for this library.
D. A datastore should be used for this library.

Answer: AD

QUESTION 88
An administrator needs to configure a storage solution for a vSphere 6.x implementation with these characteristics:
- Snapshot support
- vMotion Capability
- Clustering across multiple ESXi hosts
- Database application with high transaction count
- vFlash Read Cache
Which solution meets all of the stated requirements?

A. A vmdk located on a Shared VMFS datastore
B. A Physical Mode Raw Device Mapped LUN
C. A Virtual Mode Raw Device Mapped LUN
D. A Virtual SAN-based vmdk

Answer: C

QUESTION 89
An ESXi host's VMCA-Signed certificate has expired. How can the certificate be renewed?

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

Answer: B
Explanation:
http://pubs.vmware.com/vsphere-60/index.jsp#com.vmware.vsphere.security.doc/GUID-
ECFD1A29-0534-4118-B762-967A113D5CAA.html

QUESTION 90
Which is the correct order for upgrading vSphere components?

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

Answer: D
Explanation:
https://pubs.vmware.com/srm-
55/index.jsp?topic=%2Fcom.vmware.srm.install_config.doc%2FGUID-E7B47738-C63D-4A05-
9A13-7C5FF20801A7.html

QUESTION 91
Which two datastore types are supported by Storage I/O Control v2? (Choose two.)

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

Answer: CE
Explanation:
https://storagehub.vmware.com/#!/vsphere-core-storage/vsphere-6-5-storage/storage-i-o-control-
v2/1

QUESTION 92
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

QUESTION 93
An administrator is attempting to power on a virtual machine with 32GB of memory. The operation fails with the following error:
```
- Could not power on VM : No space left on device
- Checking the space on the virtual machine's datastore, there is 30GB
free
```
Which action would allow the VM to power on?

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

Answer: B
Explanation:
https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1007638

QUESTION 94
A domain user is able to successfully log into the vSphere Web Client, but notices that the vCenter Server system does not appear in the inventory. Which is the cause of this situation?

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

Answer: D
Explanation:
https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.troubleshooting.doc%2FGUID-B7662658-9C2C-4C6E-809B-F211B1B08157.html

QUESTION 95
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

QUESTION 96

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

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

Answer: ......

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