

**2V0-602.exam**

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Vmware

**2V0-602**

**VMware vSphere 6.5 Foundations**

**Version 1.0**

**Exam A**

**QUESTION 1**

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A vSphere Administrator recently introduced a new shared storage solution for the ESXi hosts. Despite good device specifications, this new storage solution is not performing well.

What are two VMware-recommended troubleshooting steps for fixing this? (Choose two.)

- A. Restart the vCenter Server.
- B. Check the VMware Hardware Compatibility List.
- C. Verify that vCenter Server is running the latest patched version.
- D. Verify that the drivers and firmware are at the recommended versions.
- E. Restart the Platform Services Controller.

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

## QUESTION 2

A VM has the following configuration:

- 2 vCPU
- 4 GB RAM
- HDD1 10 GB
- HDD2 20 GB

A vSphere Administrator creates a snapshot of a powered off VM.

What is the maximum size of all of the snapshots that can be consumed on the datastore?



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- A. 30 GB
- B. 100% of the datastore minus 512 bytes
- C. 34 GB
- D. 50% of the datastore

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

Which two network failure detection options are available when using a vSphere Standard Switch? (Choose two.)

- A. Fixed with preferred path
- B. Dynamic
- C. Link status with Beacon probing
- D. Link status only

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-D34B1ADD-B8A7-43CD-AA7E2832A0F7EE76.html>

### QUESTION 4

Which three methods can a vSphere Administrator use to automatically synchronize time on an ESXi host? (Choose two.)

- A. Log in to the VMware Host Client, navigate to Host > Manage > Time & date and click Edit settings.
- B. Select the host in the vSphere Web Client, navigate to Configure > System > Time Configuration and click the Edit button.
- C. Use the esxcli hardware clock get command in the ESXi Shell.
- D. The vicfg-ntp command.
- E. Configure the VMware Tools time synchronization.

**Correct Answer:** BE



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

Which two options can be used for vCenter Server 6.x database availability? (Choose two.)

- A. NSX load balancer
- B. Microsoft SQL Server 2012/2014 AlwaysOn Availability Groups (AG)
- C. vCenter Server Watchdog
- D. vCenter Server Heartbeat
- E. Microsoft Windows Server Failover Clustering

**Correct Answer: CD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=1024051](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1024051)

**QUESTION 6**

What three steps are necessary to enable Jumbo Frames for use with an iSCSI storage array? (Choose three.)

- A. Configure the MTU on the physical switch.
- B. Configure the MTU on the virtual switch.



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- C. Configure the MTU on the VTEP.

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- D. Configure the MTU on the LAG group.
- E. Configure the MTU on the VMKernel port.

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 7

A virtual machine loses network connectivity after vMotion. Which two troubleshooting tasks can be performed? (Choose two.)

- A. Verify virtual switch option Notify Switches is set to Yes.
- B. Ensure that Enhanced vMotion Compatibility has been configured.
- C. Change the teaming policy to active/standby mode.
- D. Ensure that the virtual machine is in the proper VLAN ID.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=1007464](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1007464)

#### QUESTION 8

Which statement is a requirement for Storage vMotion?

- A. The source and destination VMDKs must be of the same provisioning type.
- B. The virtual machine cannot contain any raw device mappings (RDMs).
- C. Virtual disks must not be larger than 2TB.
- D. The host on which the virtual machine is running must have access to the source and target datastores.

**Correct Answer:** D

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Reference [https://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/com.vmware.vsphere.dcadmin.doc\\_41/vsp\\_dc\\_admin\\_guide/migrating\\_virtual\\_machines/c\\_storage\\_vmotion\\_requirements\\_and\\_limitations.html](https://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/com.vmware.vsphere.dcadmin.doc_41/vsp_dc_admin_guide/migrating_virtual_machines/c_storage_vmotion_requirements_and_limitations.html)

**QUESTION 9**

Which two options can be leveraged to configure a remote syslog server for an ESXi 6.x host? (Choose two.)

- A. vRealize Configuration Manager
- B. vRealize Automation
- C. Host Profiles
- D. vSphere Web Client

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=2003322](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2003322)

**QUESTION 10**

What three steps must be taken when removing a host from a vSAN-enabled cluster? (Choose three.)

- A. Remove disks from diskgroups, remove disk groups.
- B. Create at least one vSphere Standard Switch.
- C. Remove VMKernel port with vSAN traffic checkbox checked.
- D. Remove the host from vSAN cluster.
- E. Place the host into maintenance mode with Full Migration option selected.

**Correct Answer:** CDE

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 11**

What will happen to the VM when a vSphere Administration returns to a snapshot that was created without memory on the running VM?



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- A. VM will be rebooted
- B. VM will be running in the state that it was at the time the snapshot creation
- C. VM will be powered on D. VM will be powered off

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 12

Which two options are requirements to perform a migration between vCenter Server instances? (Choose two.)

- A. The vCenter Server servers must be time-synchronized.
- B. The ESXi hosts must be version 5.5 or later.
- C. The vCenter Servers must be version 6.0 or later.
- D. The vCenter Server must be in the same single Sign-On domain.
- E. The ESXi hosts must have vSphere Standard, Advanced, or Enterprise Plus licensing.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://pubs.vmware.com/vsphere-60/index.jsp#com.vmware.vsphere.vcenterhost.doc/GUID-DAD0C40A-7F66-44CF-B6E8-43A0153ABE81.html>

#### QUESTION 13

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An Administrator would like to take advantage of the new Automatic UNMAP feature in VMFS6. All of the existing datastores are connected via iSCSI and formatted with VMFS5.

In order to minimize disruption and maintain some of the existing VMFS5 volumes, which two steps can be taken to leverage the UNMAP feature in VMFS6? (Choose two.)

- A. Use Storage vMotion to migrate your workloads to the new VMFS6 datastore.
- B. Create a new VMFS6 datastore.
- C. Use Storage DRS to put the VMFS5 datastore into maintenance mode.
- D. Perform an inline upgrade on each of your VMFS5 volumes.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=2147824](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2147824)

#### QUESTION 14

A Long-Distance vMotion migration cannot complete.

Which three situations could cause this? (Choose three.)

- A. The license currently in use for the two hosts in vSphere Enterprise Edition.
- B. The round-trip time between the hosts is greater than 150 milliseconds.
- C. The virtual machine is configured to use Virtual NVMe disks.
- D. The vMotion traffic to the destination host is on the default TCP/IP stack.
- E. The license currently in use for the two hosts is vSphere Enterprise Plus Edition.

**Correct Answer:** CDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 15

Which Distributed Switch Load Balancing option requires configuration of the physical Ethernet switch to operate properly?



- A. Route based on originating virtual port
- B. Use explicit failover
- C. Route based on IP hash
- D. Route based on physical NIC load
- E. Route based on source MAC hash

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <http://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/support/landing-pages/virtual-support-day-best-practices-virtual-networking-june2012.pdf>

**QUESTION 16**

Which two choices are valid ways to patch an ESXi host? (Choose two.)

- A. utilizing the esxcli Command Line Interface
- B. vSphere Update Manager
- C. vRealize Operations Manager
- D. configuring a Host Profile



**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 17**

Which three virtual hardware configurations will allow snapshots? (Choose three.)

- A. Physical Mode RDMs
- B. bus sharing
- C. Full memory reservation
- D. Virtual Mode RDMs
- E. 16+ vCPU

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 18**

What tool is utilized for detailed performance monitoring of the vCenter Server Appliance?

- A. vim-cmd
- B. esxtop
- C. Perfmon
- D. vmtop

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://pubs.vmware.com/vsphere-60/topic/com.vmware.Icbase/PDF/vsphere-esxi-vcenter-server-60-monitoring-performance-guide.pdf>

#### **QUESTION 19**

Which is the VDP appliance available storage configuration maximum?

- A. 2 TB
- B. 62 TB
- C. 8 TB
- D. 4 TB

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://blogs.vmware.com/vsphere/2012/08/setting-the-record-straight-on-vmware-vsphere-data-protection.html>

#### **QUESTION 20**

A vSphere Administrator has been tasked with ensuring that 500 virtual desktops are unable to communicate with one another, but can communicate with required services.

Which two solutions does VMware recommend? (Choose two.)



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- A. VMware NSX Distributed Firewall
- B. Private VLAN
- C. vSphere Host Firewall
- D. Port Filtering

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 21

What is the maximum supported number of Virtual SCSI adapters per VM in vSphere 6.5?

- A. 8
- B. 4
- C. 2
- D. 6

**Correct Answer:** B

**Section:** (none)

**Explanation**



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**Explanation/Reference:**

Reference <https://www.vmware.com/pdf/vsphere6/r65/vsphere-65-configuration-maximums.pdf> (page 9)

**QUESTION 22**

A VMware vSphere 6.x Administrator is tasked with expanding a current vRealize Log Insight Deployment.

What two steps will accomplish this task? (Choose two.)

- A. Run the startup wizard and select Join Existing Deployment.
- B. Login to the vRealize Log Insight Management UI and select Add New Node.
- C. Deploy another vRealize Log Insight server from the OVF.
- D. Deploy and install vRealize Log Insight on a new Linux virtual machine.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

Which two resource types can be limited on the vApp level? (Choose two.)

- A. CPU
- B. Storage
- C. Memory
- D. Network

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

Which file format supports the exchange of virtual appliances across products and platforms?

- A. FAT32
- B. OVF



- C. VMDK
- D. NTFS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference [https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.vm\\_admin.doc%2FGUID-AE61948B-C2EE-436E-BAFB3C7209088552.html](https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.vm_admin.doc%2FGUID-AE61948B-C2EE-436E-BAFB3C7209088552.html)

#### QUESTION 25

When trying to export the vApp to the OVF, the option is grayed out.

What solution allows for the export of a vApp?

- A. PowerOff the vApp.
- B. The vApp is marked as Non-Exportable.
- C. Logout of the vSphere Client and use the vSphere WebClient.
- D. Change the portgroup where the VMs are connected to.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://communities.vmware.com/thread/408957>

#### QUESTION 26

After reconfiguring VUM in the vCenter Server Appliance, a vSphere Administrator must restart the Update Manager service.

Which VMware recommended action will let the Administrator accomplish this task?

- A. On the vSphere Web Client Home page, click System Configuration, then Nodes. Select vCenter Server and, from the Actions menu, select Reboot.
- B. On the vSphere Web Client Home page, click System Configuration, then Services. Select VMware vSphere Update Manager service, and from the Actions menu select Restart.
- C. On the vSphere Web Client Home page, click Update Manager. Select the Update Manager server and use the Actions menu to restart it.
- D. Log in to the vCenter Server Appliance Management UI and reboot the VCSA.

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Reference [https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.update\\_manager.doc%2FGUID-DCC3EABE-4973-48E5-8B7DE53598F0E12A.html](https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.update_manager.doc%2FGUID-DCC3EABE-4973-48E5-8B7DE53598F0E12A.html)

**QUESTION 27**

What is true about a virtual machine with (orphaned) appended to the display name?

- A. The virtual machine has been cloned and removed from vCenter Server's inventory.
- B. The template that the virtual machine was created from no longer exists.
- C. The virtual machine creator no longer wants the virtual machine and has marked it for deletion.
- D. The virtual machine exists in the vCenter Server database, but the ESXi hosts no longer recognize it.

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Reference [https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.troubleshooting.doc\\_50%2FGUID-BFD8C9BC-30FB-4A92-AFEC2FC9FF387920.html](https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.troubleshooting.doc_50%2FGUID-BFD8C9BC-30FB-4A92-AFEC2FC9FF387920.html)

**QUESTION 28**

Which actions take place when DRS Automation is set to Partially Automated?

- A. Initial placement: Recommended host(s) is displayed.  
Migration: Recommendation is executed automatically.
- B. Initial placement: Automatic.  
Migration: Recommendation is displayed.
- C. Initial placement: Recommended host(s) is displayed. Migration: Recommendation is displayed.
- D. Initial placement: Automatic.  
Migration: Recommendation is executed automatically.

**Correct Answer:** B  
**Section:** (none)  
**Explanation**



**Explanation/Reference:**

Reference <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-E83A6B62-37F8-46D0-8D0AD6A9181979F2.html>

**QUESTION 29**

Which virtual switch load balancing method should be used when teaming network interfaces with EtherChannel?



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- A. Route based on originating virtual port.
- B. Route based on IP hash.
- C. Route based on physical NIC load.
- D. Route based on source MAC hash.
- E. Use explicit failover order.



**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-D34B1ADD-B8A7-43CD-AA7E2832A0F7EE76.html>

**QUESTION 30**

By default, how many login attempts will an ESXi host allow before locking out the account?

- A. 7
- B. 8
- C. 10
- D. 5

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**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc%2FGUID-DC96FFDB-F5F2-43EC-8C7305ACDAE6BE43.html>

### QUESTION 31

VMware vRealize Log Insight can be configured to send notification events to which endpoint?

- A. vRealize Infrastructure Navigator
- B. vRealize Configuration Manager
- C. vRealize Operations Manager
- D. vCenter Server

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://pubs.vmware.com/log-insight-40/index.jsp?topic=%2Fcom.vmware.log-insight.administration.doc%2FGUID-C73DFC4F-53A6-4F6A-9883A4916AD3AA80.html>

### QUESTION 32

Which three actions are available in Troubleshooting Mode in the ESXi Direct Console User Interface (DCUI)? (Choose three.)

- A. Enable ESXi Shell.
- B. Modify DCUI idle timeout.
- C. Modify Password.
- D. Restart Management Network.
- E. Modify SSH timeout.

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**





### QUESTION 33

Which are two requirements for vMotion without shared storage? (Choose two.)

- A. The source host must have access to the destination storage.
- B. The hosts must be licensed with vSphere Enterprise Plus.
- C. The destination host must have access to any RDM LUNs.
- D. The source and destination hosts must have identical CPUs.
- E. Hosts must be running vSphere 5.1 or later.

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-9F1D4A3B-3392-46A3-872073CBFA000A3C.html>

### QUESTION 34

When a vSphere Administrator powers on a VM with the following configuration, what will be the resulting swap file size?

▼ *Memory			
RAM (*)	4	▼	GB ▼
Reservation (*)	2	▼	GB ▼
	<input type="checkbox"/> Reserve all guest memory (All locked)		
Limit (*)	3	▼	GB ▼
Shares	Normal	▼	40960 ▼

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 35**

Which virtual SCSI controller would be recommended when deploying a Windows Server 2012 R2 VM that will host a database server which is expected to generate high I/O?

- A. LSI Logic
- B. PVSCSI
- C. LSI Logic SAS
- D. BusLogic

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <http://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/solutions/sql-server-on-vmware-best-practices-guide.pdf>

### **QUESTION 36**

A Primary Fault Tolerant VM is performing poorly despite its ESXi host having adequate resources and CPUs are idle. Other hosts in the cluster are much more heavily utilized.

What is the cause?

- A. The Secondary VM is assigned to a different portgroup than the Primary.
- B. The Secondary VM is running more applications than the Primary.
- C. The Secondary VM is running on an ESXi host that is overcommitted.
- D. The vMotion network has not been configured for Jumbo Frames.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 37**

What is the VMware recommended way to distribute storage I/O loads across multiple paths to minimize downtime and remove potential bottlenecks?

- A. Enable Storage I/O Control.
- B. Configure storage replication.
- C. Configure multipathing.
- D. Enable storage DRS and configure datastore clusters.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

A VMware vSphere 6.x Administrator is implementing a new eight-node cluster for business critical applications. Each server will be configured with two 10 GbE network adapters and will utilize iSCSI for storage on one subnet.

Which feature is required to implement this solution?

- A. Storage DRS
- B. LACP
- C. Network I/O Control
- D. VMkernel Port Binding

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 39**

What is the maximum supported RAM per virtual machine (VM) in vSphere 6.5?

- A. 6128 GB
- B. 2048 GB
- C. 8192 GB



D. 4096 GB

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference <https://www.vmware.com/pdf/vsphere6/r65/vsphere-65-configuration-maximums.pdf> (page 9)

#### QUESTION 40

Which two options can change the thin provisioned disk to thick provisioned? (Choose two.)

- A. Use vMotion to migrate the VM to another ESXi host without moving the disks.
- B. Use Storage vMotion of the running VM to the same datastore and select Thick Provision.
- C. Power off the VM, locate the VMDK disk in the Datastore browser, right-click that and select Inflate.
- D. Use Storage vMotion of the running VM to another datastore and select Thick Provision.

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference [https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.vm\\_admin.doc%2FGUID-E8F50BEC-F575-4AB1-BC77D9A13CDBDCF7.html](https://pubs.vmware.com/vsphere-65/index.jsp?topic=%2Fcom.vmware.vsphere.vm_admin.doc%2FGUID-E8F50BEC-F575-4AB1-BC77D9A13CDBDCF7.html)



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