VMware

2V0-602 Exam

VMware vSphere 6.5 Foundations Exam

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Version: 15.0

Question: 1

A VMware vSphere 6.x Administrator sees the following output in esxtop:

```
2:32:21pm up 35 days 14:26, 819 worlds, 11 VMs, 28 vCPUs; CPU load average: 0.07, 0.07, 0.07
PCPU USED(%): 3.3 10 2.9 0.6 5.9 10.0 4.5 1.5 9.7 1.0 3.9 64 1.1 1.1 1.0 3.6 0.5 0.9 1.0 2.2 0.5 0.4 0.9 0.2 AVG: 5.5
PCPU UTIL(%): 5.1 10 5.0 1.3 7.8 12 5.8 2.8 11 2.1 4.2 52 2.1 2.4 1.6 4.2 0.8 1.6 2.1 3.5 1.1 0.5 1.8 0.5 AVG: 5.9
CORE UTIL(%) 15  6.2 19 8.2  12     55     4.1     5.7     2.5     5.3     1.8     2.0 AVG: 11
```

ID	GID	NAME	NWLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVRLP	%CSTP	%MLMTD	%SWPWT
56232	56232	atxlab-puppet-m	7	65.67	54.17	0.09	638.66	0.74	0..11	143.55	0.04	0.00	0.00	0.00
21740	21740	NSX_Controller_	9	32.60	35.99	0.44	854.78	0.00	0.19	361.17	0.05	0.00	0.00	0.00
334303	334303	ausmgtvrops01	9	6.41	9.17	0.16	881.58	0.34	0..19	188.87	0.03	0.00	0.00	0.00
49196	49196	ausmgtvrli01	9	5.11	8.25	0.14	884.27	0.38	0.24	189.86	0.03	0.00	0.00	0.00
77058332	77058332	esxtop.10128716	1	3.72	3.54	0.01	95.46	-	0.00	0.00	0.01	0.00	0.00	0.00
6400419	6400419	ausmgtvrops04	9	3.22	4.55	0.05	886.11	0.20	0.18	193.32	0.01	0.00	0.00	0.00
7833	7833	hostd.34322	31	2.32	2.28	0.00	3066.36	-	0.05	0.00	0.00	0.00	0.00	0.00

What does the %RDY column represent?

A. CPU Cycle Wait Percentage
B. CPU Utilization
C. CPU Ready
D. Idle CPU Percentage

Answer: C

Explanation:
The percentage of time the world was ready to run.
A world in a run queue is waiting for CPU scheduler to let it run on a PCPU. %RDY accounts the percentage of this time. So, it is always smaller than 100%.

Question: 2

What three shares are available when configuring a Resource Pool? (Choose three.)

A. Custom
B. Low
C. Maximum
D. Normal
E. None

Answer: A,B,D

Question: 3

A vSphere Administrator notices that a virtual machine is performing poorly, and upon investigation has observed the following:

What is the first step in troubleshooting this problem?

A. Shut down the virtual machine and double the amount of vCPU and RAM assigned.
B. Shut down the virtual machine and set the number of vCPU as high as possible.
C. Migrate the virtual machine to an ESXi host with more resources available.
D. Configure the virtual machine with CPU and Memory limits.

Answer: C

Question: 4

Which of the following are valid iSCSI adapter types for vSphere? (Choose three.)

A. Software
B. Independent Hardware
C. Converged Network Adapter
D. Dependent Hardware
E. iSCSI HBA

Answer: A,B,D

Question: 5

Which two choices would make a Virtual Machine compatible when enabling Fault Tolerance? (Choose two.)

A. e1000e virtual network adapter
B. 2 TB + VMDK
C. 4 Virtual CPUs (vCPU)
D. NIC passthrough

Answer: A,C

Question: 6

A vSphere Administrator notices that they cannot login to vCenter Server with the vSphere Web Client, although the server is responding to pings.

What is the next step in troubleshooting the login problem?

A. /etc/init.d/hostd restart

B. connect-viserver-server
C. vim-cmd vmsvc/getallvms
D. service-control --status vmware-vpxd

Answer: D

Question: 7

Which three features can be configured during the initial creation of a cluster? (Choose three.)

A. Proactive HA
B. EVC
C. DRS
D. vSAN

Answer: B,C,D

Question: 8

What are the correct steps to migrate the storage of a virtual machine?

A. Right-click the virtual machine and select Migrate
Select change storage only
Select the format for the virtual machine's disks
Select the datastore to migrate to
Select the destination network for all VM network adapters
Click Finish
B. Right-click the virtual machine and select Migrate
Select change compute resource only
Select the destination host
Select the destination network for all VM network adapters
Click Finish
C. Right-click the virtual machine and select Migrate
Select change both compute resources and storage
Select the destination host
Select the format for the virtual machine's disks
Select the datastore to migrate to
Select the destination network for all VM network adapters
Click finish
D. Right-click the virutal machine and select Migrate
Select Migrate virtual machine to a specific data center
Select the destination datacenter
Select the format for the virtual machine's disks
Select the datastore to migrate to
select the destination network for all VM network adapters
Click Finish

Answer: D

Question: 9

The Triggered Alarm on the VM shows Virtual Machine Consolidation needed status.

How would an administrator recover from this event?

A. This must be done from the command line.
B. The only possible method is to clone the VM.
C. In the vSphere WebClient, open Snapshot Manager of the VM and then use the Delete all button.
D. In the vSphere WebClient select VM, right-click Snapshots Consolidate.

Answer: D

Question: 10

What two options are available when configuring a virtual flash resource on a virtual machine? (Choose two.)

A. Block Size
B. Limit
C. SCSI Controller
D. Reservation

Answer: A,D

Question: 11

Which two options are available when migrating a powered off VM and relocating the attached disks? (Choose two.)

A. Thick Provision Eager Zeroed
B. Raw Device Mapping Physical Compatibility
C. Same format as source
D. Raw Device Mapping Virtual Compatibility

Answer: A,C

Explanation:
Reference
https://pubs.vmware.com/vsphere-
51/index.jsp?topic=%2Fcom.vmware.vsphere.vcenterhost.doc%2FGUID-EA3B742B-6675-4ECB-B386-
7B9E95026AF8

Question: 12

Some of the VMs in a vSphere DRS cluster are not migrated as expected.

Which three factors can affect DRS behavior? (Choose three.)

A. The currently configured TPS settings for the VMs.
B. VM Overrides.
C. DRS Aggression Levels (Migration Threshold).
D. CPU, Memory, and Network Utilization.
E. The currently configured Enhanced vMotion Compatibility level for the cluster.

Answer: B,C,D

Question: 13

A vSphere Administrator recently upgraded to vSphere .6.5 and wants to assign more than 4 TB of RAM to the virtual machine.
What must happen first?

A. Make sure that the user account has administrative privileges at a global level.
B. Upgrade the Virtual Machine compatibility to version 13.
C. Obtain an ESXi server with an Intel Skylake CPU.
D. Make sure that there are no snapshots present on the virtual machine.

Answer: B

Question: 14

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.

Answer: A,E

Question: 15

A VM has the following configuration:

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?

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

Answer: C

Question: 16

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

Answer: C,D

Question: 17

Which two 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.

Answer: B,E

Question: 18

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

Answer: B,E

Question: 19

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.
C. Configure the MTU on the VTEP.
D. Configure the MTU on the LAG group.
E. Configure the MTU on the VMKernel port.

Answer: A,B,E

Question: 20

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.

Answer: A,D

Question: 21

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.

Answer: D

Question: 22

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

Answer: C,D

Question: 23

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.

Answer: C,D,E

Question: 24

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

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

Answer: D

Question: 25

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.

Answer: A,C

Question: 26

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.

Answer: A,B

Question: 27

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.

Answer: A,B,D

Question: 28

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

Answer: C

Question: 29

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

<div align="right">**Answer: A,B**</div>

Question: 30

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

<div align="right">**Answer: C,D,E**</div>

Question: 31

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

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

<div align="right">**Answer: D**</div>

Question: 32

Which is the VDP appliance available storage configuration maximum?

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

<div align="right">**Answer: C**</div>

Question: 33

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.)

A. VMware NSX Distributed Firewall
B. Private VLAN

C. vSphere Host Firewall
D. Port Filtering

Answer: A,B

Question: 34

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

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

Answer: B

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