

1. 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

2. 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

3. 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

4. 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.

5. 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.

6. 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

7. 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

8. 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.

9. 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.

10. 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

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

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

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

- 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.

13. 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.

14. 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.

15. A vSphere Administrator notices that the newly deployed ESXi hosts cannot stay in a connected state in vCenter Server for more than 60 seconds at a time. The Administrator knows that the hardware is in good health and that the ESXi hypervisors are properly configured. What is the source of the problem?

- A. The hosts are not a part of a vSphere Distributed Switch.
- B. Firewall rules that have too many ports open.
- C. Firewall rules preventing hosts from sending heartbeats to vCenter Server.
- D. The hosts do not have persistent logging configured.

16. When managing search queries in vRealize Log Insight, what three actions can be performed? (Choose three.)

- A. Share the Current Query
- B. Load a Query
- C. Take a Snapshot of a Query
- D. Pause the Current Query
- E. Duplicate a Query

17. A vSphere Administrator notices that sometimes they receive poor network throughput for multiple port groups that reside on a vSwitch with multiple physical uplinks (vmnics). The configuration on the ESXi host is identical to other hosts that are working properly in the same cluster. What should be done next?---疑问

- A. Restart Management agents in ESXi Using Direct Console User Interface (DCUI).
- B. Add additional port groups to the vSwitch.
- C. Alter the failover order of the vmnics until a bad vmnic is found.-----
- D. Add additional resources to the virtual machines that are powered on.-----old

18. Which three IP addresses may be pinged by the Test Management Network feature in the ESXi hosts DCUI? (Choose three.)

- A. NTP server
- B. Secondary DNS server
- C. DHCP server
- D. Default gateway
- E. Primary DNS server

19. Which two statements are correct when licensing an ESXi 6.x host? (Choose two.)

- A. ESXi licenses can be assigned utilizing the ESXi host client.
- B. Bulk licensing requires vSphere PowerCLI.
- C. Bulk licensing requires vSphere Auto Deploy to be enabled.
- D. ESXi licenses can only be applied to ESXi hosts connected to a vCenter Server.

20. Which three factors should an Administrator take into account when determining the required VDP appliance size and number of appliances? (Choose three.)

- A. retention periods (daily, weekly, monthly, yearly)
- B. VMs guest OS family and version
- C. typical change rate
- D. Number and type (database, file system) of VMs

21. What two new features are introduced with virtual machine compatibility version 13? (Choose two.)

- A. IDE hot plug support
- B. VMXNET 4
- C. Virtual Memory maximum 6128 GB
- D. Virtual NVMe

22. A VMware vSphere 6.x Administrator is creating an Alarm Action. What are three configurable actions? (Choose three.)

- A. Shutdown Guest
- B. Restart Guest
- C. Send a notification email
- D. Migrate VM
- E. Run a command

23. What three steps are necessary to configure Virtual Volumes (vVOLS) on an ESXi hosts? (Choose three.)---重点

- A. Create and manage Protocol Endpoints.
- B. Create a virtual datastore.
- C. Create a LUN.
- D. Register Storage Providers.
- E. Format the volume with VMFS6.

24. What is required to create a vSphere Distributed Switch? (Choose two.)

- A. A minimum of two physical uplinks is required.
- B. vSphere Enterprise Plus licensing is required.
- C. The host is added to a vCenter Server.
- D. Login to the ESXi Host with the Root account.

25. A vSphere Administrator has been tasked with configuring Jumbo Frames and the current environment is based on vSphere Standard Switch. Which three steps are required? (Choose three)

A. Verify the physical switches in the environment have been properly configured.

B. Configure the Switch MTU.

C. Configure the Port Group MTU.

D. Migrate to a Distributed vSwitch.

E. Configure the Distributed vSwitch MTU.

26. Which three functions are provided by Storage DRS? (Choose three.)

A. space load balancing among datastores within a datastore cluster

B. VM disk sizing recommendations for virtual machines in datastores within a datastore cluster

C. I/O load balancing among datastores within a datastore cluster

D. snapshot consolidation recommendations among datastores within a datastore cluster

E. initial placement recommendations for virtual disks based on space and I/O workload

27. Which two databases are supported for the vCenter Server Appliance 6.x? (Choose two.)

A. PostgreSQL

B. Oracle

C. DB2

D. Microsoft SQL Server

28. What are two requirements for Guest Operating System Customizations? (Choose two.)

A. The ESXi host that the virtual machine is running on must be version 5.5 or later.

B. Microsoft Sysprep tools must be installed on the Windows VM to be cloned.

C. VMware Tools must be installed on the virtual machine or template.

D. The guest operating system being customized must be installed on a disk attached as SCSI node 0:0 in the virtual machine configuration.

29. What are two requirements needed to enable a 4 vCPU virtual machine with Fault Tolerance? (Choose two.)

A. vSphere Enterprise Plus license

B. 10 GbE uplink for FT logging network

C. vSphere Standard license

D. 1 GbE uplink for FT logging network

30. Which option was added to the load balancing calculations of DRS in vSphere 6.5? ---疑问

A. Network

B. Memory

C. Storage

D. CPU

31. Which two options does VM Monitoring use to determine if a virtual machine should be reset? (Choose two.)

A. Network activity from the virtual machine

B. I/O activity from the virtual machine

C. CPU activity from the virtual machine

D. Heartbeats from VMware Tools

32. 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.

33. 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.

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

A. FAT32

B. OVF

C. VMDK

D. NTFS

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

A. CPU

B. Storage

C. Memory

D. Network

36. 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.

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

A. 8

B. 4

C. 2

D. 6

38. 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

39. Which is the VDP appliance available storage configuration maximum?-----疑问

A. 2 TB

B. 62 TB

C. 8 TB

D. 4 TB

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

A. vim-cmd

B. esxstop

C. Perfmon

D. vimtop

41. 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

42. 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

43. 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

44. 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.

45. 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.

46. 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.

47. 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

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

- 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.---old
- D. Remove the host from vSAN cluster.
- E. Place the host into maintenance mode with Full Migration option selected.

49. 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

50. 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.

51. 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.

52. 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.

53. 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

54. 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.

55. 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

56. 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?

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

57. 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.

58. 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.

59. Some of the VMs in a vSphere DRS cluster are not migrated as expected. Which three factors can affect DRS behavior? (Choose three.) --- 疑问

- 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.

60. 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

61. 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

62. 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.

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

A. Proactive HA

B. EVC

- C. DRS
- D. vSAN

65. 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

66. 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. A Virtual CPUs (vCPU)
- D. NIC passthrough

67. 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

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

The guest operating system does not appear to be utilizing the resources that have been assigned to it. The ESXi host has many other VMs present and utilization is high. What is the first step in troubleshooting this problem?

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