1. [What are two valid iSCSI discovery methods?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?What-are-two-valid-iSCSI-discovery-methods?&id=6113)

A) Static Discovery

B) Dynamic Discovery

C) Automatic Discovery

**D) Both (A) and (B)**

2. A vSphere Administrator wants to migrate a virtual machine from a host with an AMD Opteron CPU to an intel Xeon CPU. Which method should be used?

A) vMotion

**B) Cold Migration**

C) Hot Migration

D) Storage vMotion

3. What is the primary advantage of VMware’s virtualization technology?  
A) Simplified network management  
**B) Reduced hardware and operational costs**  
C) Increased social media engagement  
D) Enhanced mobile app performance

4 .[Where can you check the configuration of a vSphere Distributed Switch using the vSphere client?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Where-can-you-check-the-configuration-of-a-vSphere-Distributed-Switch-using-the-vSphere-client?&id=6116)

**A) From the main network view**

B) From the datastores view

C) From the hosts configuration section

D) From the VMs and templates view

5. [Which type of user account is added to an ESX host when that host is joined to a vCenter server?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Which-type-of-user-account-is-added-to-an-ESX-host-when-that-host-is-joined-to-a-vCenter-server?&id=6119)

**A) vpxuser**

B) VPD admin

C) vCenter admin

D) local administrator

6.[Which type of Adapter does not require vmkernel networking?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Which-type-of-Adapter-does-not-require-vmkernel-networking?&id=6122)

A) Software iSCSI Adapter

B) Software FCoE Adapter

**C) Independent Hardware iSCSI Adapter**

D) Dependent Hardware iSCSI Adapter

7. [An administrator is migrating a powered-on virtual machine, as shown in the exhibit. Which option should be selected to perform a Storage vMotion of the VM?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?An-administrator-is-migrating-a-powered-on-virtual-machine-as-shown-in-the-exhibit.-Which-option-should-be-selected-to-perform-a-Storage-vMotion-of-the-VM?&id=6123)

**A) Change storage only.**

B) Change VM compute resource only.

C) Change both compute resource and storage, changing the storage resource first.

D) Change both compute resource and storage, changing the compute resource first.

8 .[Before configuring NFS on ESX Server, what must be configured?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Before-configuring-NFS-on-ESX-Server-what-must-be-configured?&id=6129)

**A) VMotion and IP storage port**

B) VLAN trunk port

C) server licensing

D) 802.3AD link aggregation

9 .[Which of the following statements is correct about hyper threading on virtual machines?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Which-of-the-following-statements-is-correct-about-hyper-threading-on-virtual-machines?&id=6132)

A) Hyper threading always increases the performance

B) Hyper threading doubles the CPU speed

C) Both (A) and (B)

**D) Hyper threading allows the server to split logical CPU into multiple logical CPUs**

10 .[Which of the following statements is correct about memory overcommitment?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Which-of-the-following-statements-is-correct-about-memory-overcommitment?&id=6140)

A) It decreases the consolidation ratio.

**B) It increases Operational efficiency.**

C) It increases the total cost of operating virtual machines.

D) It always leads to performance loss in the guest operating system.

11. [Through the Hot Add feature, you can increase resources allocated to a virtual machine without having to power it down as long as:](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Through-the-Hot-Add-feature-you-can-increase-resources-allocated-to-a-virtual-machine-without-having-to-power-it-down-as-long-as:&id=6141)

A) You have at least vSphere Standard to have the Hot Add feature available

**B) You have at least vSphere Enterprise Plus to have the Hot Add feature available**

C) Not possible. The Hot Add feature requires a shutdown of the virtual machine

D) Not possible. The Hot Add feature allows you to add increased resources such as RAM and CPU to a host, not a virtual machine.

12. [Which of the following statements about vSAN architecture is true?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?Which-of-the-following-statements-about-vSAN-architecture-is-true?&id=6143)

A) A vSAN datastore can only use flash devices.

B) A vSAN datastore can only use magnetic disks.

**C) A vSAN datastore must use one or more flash devices.**

D) A vSAN datastore must use both magnetic disks and flash devices.

13 .[How is a datastore converted from VMFS5 to VMFS6?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?How-is-a-datastore-converted-from-VMFS5-to-VMFS6?&id=6145)

A) A datastore must be manually converted from VMFS5 to VMFS 6 using vSphere Client.

B) A datastore must be manually converted from VMFS5 to VMFS6 using the command line.

C) A datastore is automatically migrated to VMFS6 the first time a VMFS5 datastore is mounted on an ESXI 6.5 host.

**D) VMware vSphere Storage vMotion is used to migrate data on a VMFS5 datastore to a VMFS6 datastore, and then the vacated datastore can be reformatted to VMFS6.**

14 .[VMware Workstation is](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?VMware-Workstation-is&id=6149)

**A) A test-and-development tool used to create and run VMs directly on a desktop**

B) A software tool that attaches PCs to a local area network (LAN)

C) A free software tool used to create, modify and run VMs, including VMware virtual appliances

D) A utility that migrates VMs between VMware platforms and facilitates VMware VM creation from physical systems or third-party VMs

15 .[What is VMware HA (High Availability)?](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?What-is-VMware-HA-(High-Availability)?&id=6154)

A)A bare-bones installation option for computers running the Windows Server 2008 OS

B)A measure of how much traffic a particular query server is handling at a given time.

C)An organizational management approach to improve product and services quality in response to feedback

**D)A utility that relaunches VMs after server failure without dedicated standby hardware and software**

16 .[VMware Distributed Resource Scheduler (DRS)](https://www.freetimelearning.com/online-quiz/programming-languages-quiz.php?VMware-Distributed-Resource-Scheduler-(DRS)&id=6155)

**A) Balances virtualized computing workloads with available resources**

B) Partitions a physical server into multiple VMs

C) Pools network and storage resources for test and development

D) Centralizes and optimizes data center resources and desktop management

17. VMware vSAN is a solution for:  
A) Virtual machine migration  
**B) Hyper-converged Storage**  
C) Cloud management and optimization  
D) Software-defined networking

18. What is the server virtualization product that combines the ESXi hypervisor and the vCenter Server? (Choose the best answer.)

A) NSX

B) vRealize Operations Manager

**C) vSphere**

D) vSAN

19.The Port Number used to Access VAMI console( Vcenter Managemet Interface) is

A) 5680

B) 5780

C) 5580

**D) 5480**

20. An administrator wants to ensure that when virtual machines (VMs) are powered on, Distributed Resource Scheduler (DRS) places them on the

best-suited host.

When the cluster becomes imbalanced, the administrator wants DRS to display recommendations for manual VM migration.

Which DRS automation level should the administrator select? (Choose the best answer.)

A) Manual

**B) Partially Automated**

C) Fully Automated

D) Disaled

21.Select The odd one from the option Below for the Types of DRS automation Levels

A) **Aggresive Level**

B) Maual

C) Partially Automated

D) Fully Automated.

22.Which is Hypervisor Product from the Vendor VMware.

A) AHV

B) XEN Server

**C) ESXI**

D) Hyper-V

23. What is the OS does VCSA(Vcenter) contains ?

**A) Photon OS**

B) Ubuntu

C) centOS

D) RHEL

24. Which feature is a pre-requisite for configuring admission control on a cluster? (Choose the best answer)

A) DRS(Distributed Resource scheduler)

B) EVC(Enhanced Vmotion Compatability)

**C) HA( High Availability**)

D) FT(Fault Tolerance)

25. Which virtual disk option allows a virtual machine to consume the minimum storage capacity? (Choose the best answer.)

A) Independent persistence

B) Lazy Zeroed Thick provision

C) Eagerly Zeroed Thick Provision

**D) Thin Provision.**

26. ESXi provides VLAN support by assigning a VLAN ID to which component? (Choose the best answer.)

A) Virtual standard switch

B) Physical network interface card (NIC)

C) Virtual distributed switch

**D) Port group**

27. An administrator runs third-party software in a virtual machine (VM). The third-party licensing agreement requires payment of a license fee for

each host to which the VM migrates.

How can the administrator configure Distributed Resource Scheduler (DRS) to minimize licensing costs? (Choose the best answer.)

A) Create a "˜Virtual Machines to Virtual Machines' dependency rule.

B) Create a "˜Virtual Machines to Virtual Machines' affinity rule.

C) Create a "˜Should run Virtual Machines to Hosts' anti-affinity rule.

**D) Create a "˜Must run Virtual Machines to Hosts' affinity rule**.

28. There are two vSphere clusters in a company environment. One cluster is hosting development workloads and another is hosting production

workloads. Both vSphere clusters are managed by the same vCenter Server. The application team would like to move a new virtual machine from

the development to production cluster with no downtime.

Which feature would allow non-disruptive movement between these two clusters? (Choose the best answer.)

A) Cross vCenter Migration

B) vSphere High Availability

**C) vSphere vMotion**

D) vSphere Replication

29. An administrator wants to configure vCenter Server High Availability so that each node is located in a different data center.

Which requirement must be met? (Choose the best answer.)

A) Each node must be configured with at least three network adapters.

**B) Network latency between the nodes must be less than 10 milliseconds.**

C) All nodes must be located on a vSAN datastore in each data center.

D) A vCenter Server license must be assigned to each node.

30. Which resource pool setting is used to specify the relative priority or importance as high, normal or low? (Choose the best answer.)

A) Limits

B) Reservation type

**C) Shares**

D) Reservations

31. vCenter High Availability (HA) protects vCenter Server against host and hardware failures.

What is the minimum number of ESXi hosts required to enable this capability? (Choose the best answer.)

A) 5

B) 7

C) 1

**D) 3**

32. What can an administrator use to partition limited CPU and memory resources between two departments? (Choose the best answer.)

A) vSphere distributed switch

B) vSphere High Availability

C) vCenter folders

**D) Resource pools**

33**.** Which vSphere feature provides for continuous local data center availability? (Choose the best answer.)

**A) vSphere Fault Tolerance**

B) Cross vCenter Migration

C) vSphere Storage vMotion

D) vSphere Replication

34. Which two components are core to vSphere? (Choose two.)

**A.ESXi**

B) vSAN

**C) vCenter Server**

D) vRealize Network Insight

E) vRealize Operations Manager

35. What is the minimum number of ESXi hosts required to support vCenter High Availability? (Choose the best answer.)

A) 6

**B) 3**

C) 2

D) 4

36. In a vSphere High Availability (vSphere HA) cluster, which action does vSphere HA take when the VM Monitoring service does NOT receive

heartbeats from a virtual machine (VM) in the cluster? (Choose the best answer.)

A) The VM is restarted on a different host in the cluster.

B) The VM is suspended on the same host in the cluster.

C) The VM is migrated to a different host in the cluster.

D) **The VM is restarted on the same host in the cluster.**

37. What is the foundation of a software-defined data center (SDDC)? (Choose the best answer.)

A) vRealize Operations Manager

**B) vSphere**

C) vSAN

D) NSX

38. What does VMware Horizon offer to end-users?  
**A) Virtualized desktop infrastructure**  
B) Cloud-based storage  
C) Social media networking  
D) Mobile app development platform

39. Which VMware solution allows organizations to create virtual networks and network services, improving network security and efficiency?  
A) VMware Horizon  
B) VMware vSAN  
**C) VMware NSX**  
D) VMware vSphere

40. Which VMware product offers a consistent and secure cloud experience by combining compute, storage, networking, and management services?  
A) VMware Horizon  
B) VMware NSX  
**C) VMware Cloud Foundation**  
D) VMware vSAN

### 41. What is the purpose of VMware Tools in a virtual machine?

### A. To manage the ESXi host B. To monitor vCenter performance C. To enhance VM performance and manageability D. To install the operating system

### 42. **Which feature allows for the automatic restart of VMs when a host goes down?**

### A. vMotion **B. HA** C. FT D. SRM

### 43. **What is the minimum number of ESXi hosts required to enable VMware DRS (Distributed Resource Scheduler)?**

A. 1  
B. 2  
**C. 3**  
D. 5

### 44. **What is the primary purpose of VMware vMotion?**

### A. To migrate VMs from one host to another with downtime B. To create a backup of a VM C**. To migrate VMs from one host to another without downtime** D. To update the ESXi host

### 45. **Which user interface is used to connect to and manage ESXi hosts and vCenter Server?**

### **A. vSphere Web Client** B. SSH C. vSAN D. vRealize Log Insight

### 46. **What is the default username for an ESXi host?**

### A. admin B. esxi **C. root** D. administrator

### 47. **In vSphere, what does a "snapshot" do?**

### A. Captures the memory state only B. Creates a full VM backup **C. Saves the current state of a VM** D. Deletes the VM's disk

### 48. **What command-line interface tool is used to manage VMware ESXi hosts?**

### A. vShell B. vCLI C. PowerCLI **D. esxcli**

### 49. **Which networking component in vSphere connects virtual machines to the physical network?**

### **A. vSwitch** B. vNIC C. VLAN D. vMotion

### 50. **What vSphere feature uses affinity and anti-affinity rules?**

### A. vMotion B. HA **C. DRS** D. vSAN