

VMware - Quiz(MCQ)

1 .

When was VMware released?

A)

February 10, 1996

B)

February 10, 1997

C)

February 10, 1998

D)

February 10, 1999

Correct Answer : February 10, 1998

Explanation : VMware story begins on **February 10, 1998**, in **sunny Palo Alto, California**. It is here that five forward-thinking technologists, all passionate about creating a better way to compute, come together to form **VMware, Inc.** with Diane Greene as CEO. By the end of the year, the company grows to 20 employees.

VMware is a subsidiary of Dell Technologies. EMC Corporation originally acquired VMware in 2004; EMC was later acquired by Dell Technologies in 2016. Broadcom will acquire all of the outstanding shares of VMware in a cash-and-stock transaction that values VMware at approximately \$61 billion, based on the closing price of Broadcom common stock on May 25, 2022.

2 .

What are two valid iSCSI discovery methods?

A)

Static Discovery

B)

Dynamic Discovery

C)

Automatic Discovery

D)

Both (A) and (B)

Correct Answer : Both (A) and (B)

3 .

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

Correct Answer : Cold Migration

4 .

Host profiles can be exported to a file in what file format?

A)

VMware host format(.vhf)

B)

VMware profile format(.vpf)

C)

VMware host profile(.vhp)

D)

VMware host profile format(.vhpf)

Correct Answer : VMware profile format(.vpf)

5 .

Where can you check the configuration of a vSphere Distributed Switch using the vSphere client?

A)

From the main network view

B)

From the datastores view

C)

From the hosts configuration section

D)

From the VMs and templates view

Correct Answer : From the main network view

6 .

What is the maximum supporter number of vCPU per VM in VMware vSphere 6.5?

- A)
32
- B)
64
- C)
128
- D)
256

Correct Answer : 128

7 .

Which two network failure detection options are available when using a vSphere Standard Switch?

- A)
Fixed with preferred path
- B)
Link status with Beacon probing
- C)
Link status only
- D)
Both (B) and (C)

Correct Answer : Both (B) and (C)

8 .

Which type of user account is added to an ESX host when that host is joined to a vCenter server?

- A)
vpxuser
- B)
VPD admin
- C)
vCenter admin
- D)
local administrator

Correct Answer : vpxuser

9 .

What is the maximum number of hosts per vNetwork Distributed Switch?

A)

8

B)

16

C)

32

D)

64

Correct Answer : 64

10 .

Which problem is MOST likely to be due to bad physical memory?

A)

slow performance

B)

VMkernel panics

C)

virtual machines not starting

D)

Errors on virtual machines' virtual SCSI buses

Correct Answer : VMkernel panics

11 .

Which type of Adapter does not require vmkernel networking?

A)

Software iSCSI Adapter

B)

Software FCoE Adapter

C)

Independent Hardware iSCSI Adapter

D)

Dependent Hardware iSCSI Adapter

Correct Answer : Independent Hardware iSCSI Adapter

12 .

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?

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.

Correct Answer : **Change storage only.**

13 .

An Administrator has protected one of its mission critical application VM using vSphere Fault Tolerance Feature. Which DRS rules should be configured by admin to make VM highly available?

A)

Virtual Machine to Hosts

B)

Keep Virtual Machines Together

C)

Separate Virtual Machines

D)

Virtual Machines to Virtual Machines

Correct Answer : **Separate Virtual Machines**

14 .

A vApp named Sales has a Memory Limit of 32 GB and a CPU Limit of 12,000 MHz. There are three virtual machines within the vApp:

- Sales-DB -- Has a memory reservation of 20 GB.

- Sales-DC -- Has a memory reservation of 8 GB.

- Sales-Web -- Has a memory reservation of 8 GB.

Which statement is correct?

A)

Only one of the virtual machines can power on

B)

All three virtual machines can power on without memory contention

C)

All three virtual machines can power on, but will have memory contention

D)

Only two of the three virtual machines can power on

Correct Answer : **Only two of the three virtual machines can power on**

15 .

Clustering is supported for iSCSI?

A)

True

B)

False

C)

None of the Above

D)

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Correct Answer : **False**

16 .

When a single virtual machine (VM) crashes, where does it leave a core dump file?

A)

in a configurable VMFS volume

B)

in a core dump partition

C)

in the service console's root directory

D)

in the same directory as the VM's configuration file

Correct Answer : **in the same directory as the VM's configuration file**

17 .

vSphere Standard License is required to create a vSphere Distributed Switch

A)

True

B)

False

C)

None of the Above

D)

--

Correct Answer : **False**

18 .

Before configuring NFS on ESX Server, what must be configured?

A)

VMotion and IP storage port

B)

VLAN trunk port

C)

server licensing

D)

802.3AD link aggregation

Correct Answer : **VMotion and IP storage port**

19 .

SCSI Disk, Fibre Channel LUN or a RAID LUN with unpartitioned space is a requirement for an ESX4 installation?

A)

True

B)

False

C)

None of the Above

D)

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Correct Answer : **True**

20 .

Which of the following is the correct function of esxupdate utility?

A)

It is used for checking the troubleshooting data.

B)

It is used for updating the virtual machines on ESXi server.

C)

It is used for checking the patches applied to ESXi server.

D)

It is used for checking the running virtual machines on the ESXi server.

Correct Answer : It is used for checking the patches applied to ESXi server.

21 .

Which of the following statements is correct about hyper threading on virtual machines?

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

Correct Answer : Hyper threading allows the server to split logical CPU into multiple logical CPUs

22 .

Define "VM ready time":

A)

Ready time is amount of time that VM is being in "Ready" state

B)

Ready time is the amount of time a VM wants to run but has not been provided CPU resources on which to execute

C)

Ready time is the amount of time a VM wants to read/write but has not been provided with IO resources to do that

D)

Ready time is the amount of time a VM wants to run and has sufficient CPU resources on which to execute

Correct Answer : Ready time is the amount of time a VM wants to run but has not been provided CPU resources on which to execute

23 .

Which of the following statuses will be available on the cluster if there is no network redundancy on the service console port?

- A)
Red
- B)
Yellow
- C)
Green
- D)
None of the above

Correct Answer : **Yellow**

24 .

It is possible to disable SSO component in vCenter Server ?

- A)
True
- B)
False
- C)
None of the above
- D)
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Correct Answer : **False**

25 .

Which of the following must be installed with Storage Recovery Manager (SRM) to leverage it in conjunction with storage-based replication?

- A)
Storage Replication Adapter
- B)
Single Instance Storage
- C)
Network Attached Storage
- D)
Storage Distribution Resource Scheduler

Correct Answer : **Storage Replication Adapter**

26 .

What is the maximum size of datastore offered by vSphere Data Protection Advanced (VDPA)?

- A)
2TB
- B)
4TB
- C)
8TB
- D)
16TB

Correct Answer : 8TB

27 .

Which of the following commands should be used with the `esxcli system module` command for displaying the ELF header information for the given VMkernel module?

- A)
load
- B)
list
- C)
set
- D)
get

Correct Answer : get

28 .

Which of the following is/are the correct functions of `esxcli storage nfs` command?

- 1) It is used for listing NFS exports.
- 2) It is used for mounting NFS exports from the VMkernel.
- 3) It is used for unmounting NFS exports from the VMkernel.

- A)
Only 1
- B)
Only 2
- C)
Only 1 and 3

D)

All options 1, 2, and 3 are correct

Correct Answer : All options 1, 2, and 3 are correct

29 .

Which of the following statements is correct about memory overcommitment?

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.

Correct Answer : It increases Operational efficiency.

30 .

Through the Hot Add feature, you can increase resources allocated to a virtual machine without having to power it down as long as:

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

Correct Answer : You have at least vSphere Standard to have the Hot Add feature available

31 .

What are the benefits of using host profiles?

A)

To compare the performance of two or more ESXi hosts

B)

To automatically configure a new host.

C)

To automatically remediate configuration issues with an ESXI host.

D)

Both (B) and (C)

Correct Answer : **Both (B) and (C)**

32 .

Which of the following statements about vSAN architecture is true?

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.

Correct Answer : **A vSAN datastore must use one or more flash devices.**

33 .

**Storage policy-based management provides which of the following features?
(choose three)**

1. Bidirectional communication between a vSphere environment and storage arrays.

2. Provisioning of virtual machines based on a storage device that matches a specific criterion.

3. Ability for storage devices with similar capabilities to be tagged together to form tiers of storage.

4. Ability for NAS arrays to be used as block level storage devices.

A)

1, 2, 4

B)

2, 3, 4

C)

1, 2, 3

D)

1, 3, 4

Correct Answer : **1, 2, 3**

Explanation :

1. Bidirectional communication between a vSphere environment and storage arrays.
2. Provisioning of virtual machines based on a storage device that matches a specific criterion.
3. Ability for storage devices with similar capabilities to be tagged together to form tiers of storage.

Show Answer

34 .

How is a datastore converted from VMFS5 to VMFS6?

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.

Correct Answer : 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.

35 .

Which two Identity Sources are available to add for vCenter Single Sign-On authentication?

A)

LocalOS

B)

OpenLDAP

C)

Both (A) and (B)

D)

NIS as an LDAP Server

Correct Answer : Both (A) and (B)

36 .

What is true regarding datastores on ESXi 6.x?

A)

VMFS3 and VMFS5 datastores can be newly created

B)

NFS 4.1 datastore does not support Fault Tolerance (FT)

C)

NFS 3.0 datastore does not support Fault Tolerance (FT)

D)

NFS datastore can be concurrently mounted using NFS 4.1 on one host and NFS on another

Correct Answer : NFS 4.1 datastore does not support Fault Tolerance (FT)

37 .

What about Virtual to virtual (V2V)?

A)

The migration of an operating system (OS), data and applications from one virtual machine (VM) or disk partition to another.

B)

The migration of a VM from one physical host to another while continuously powered on

C)

The migration of an OS, data and applications from the computer's main hard disk to a VM or disk partition

D)

The migration to backup operational mode in which secondary system components assume the system's functions when the primary components become unavailable

Correct Answer : The migration of an operating system (OS), data and applications from one virtual machine (VM) or disk partition to another.

38 .

VMware Workstation is

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

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

Explanation : VMware Workstation 9 works with 64-bit OSES and Windows 8. Use Workstation to evaluate new hypervisors and OSES, or experiment with cloud computing or VM failure scenarios without harming production systems.

39 .

What is VMware Virtual Machine File System (VMFS)?

A)

A computer program that provides services to other programs and their users

B)

A series of points or nodes interconnected by communication paths

C)

A group of terminals or workstations attached to a common control unit

D)

A cluster file system that enables storage virtualization for multiple ESX Server installations

Correct Answer : **A cluster file system that enables storage virtualization for multiple ESX Server installations**

Explanation : VMFS is VMware's file system built specifically for virtualization. The file system is perhaps less well-known than Windows' NTFS and Linux's ext3, but it enables advanced features in a VMware vSphere environment.

40 .

VMware Horizon Application Manager

A)

A set of practices for managing the use of consumer devices and technologies

B)

A low-cost computer devoid of CD players, diskette drives and expansion slots
C)

An enterprise service to manage software access through a secure Web portal
D)

A networked computer with most resources installed locally rather than distributed over a network

Correct Answer : **An enterprise service to manage software access through a secure Web portal**

Explanation : Horizon Application Manager, part of VMware's Horizon Suite, allows end users to easily access applications, while IT retains entitlement and policy control to prevent unauthorized application use.

41 .

Desktop virtualization (also called virtual desktop infrastructure, or VDI)

A)

Using public telecom infrastructure to provide remote offices or users with secure access to their organization's network

B)

Isolating a logical OS instance from the client that is used to access it

C)

Masking server resources -- including the number and identity of individual physical servers, processors and OSes -- from users

D)

Combining available network resources by splitting bandwidth into independent channels that can be assigned to a particular server or device

Correct Answer : **Isolating a logical OS instance from the client that is used to access it**

Explanation : Desktop virtualization creates virtual desktops with the OS instance executed either locally or remotely. VMware's VDI software, VMware View, makes user desktops into VMs on a thin client, running on ESX/ESXi hosts in vSphere. Additional components manage connection, provisioning, authentication and applications.

42 .

What is VMware Orchestrator?

A)

The isolated area in a Microsoft Hyper-V environment where the hypervisor runs

B)

A software product that lets a LAN administrator see the configuration and status of PCs

C)

A workflow engine that helps automate VMware vCloud Suite, vSphere and other virtualization management system processes

D)

An initiative by Microsoft to help businesses virtualize existing server assets and move to cloud computing

Correct Answer : **A workflow engine that helps automate VMware vCloud Suite, vSphere and other virtualization management system processes**

Explanation : VMware vCenter Orchestrator is a workflow engine that allows IT administrators and architects to automate tasks, from simple VM resource provisioning to complex multistep actions.

43 .

What is VMware HA (High Availability)?

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

Correct Answer : **A utility that relaunches VMs after server failure without dedicated standby hardware and software**

Explanation : VMware HA maintains important but non-mission-critical VMs, ensuring high uptime and minimal disruptions in the event of a host failure. In addition to making several major HA changes in its vSphere 5 release, VMware is planning a new HA design in 2013: Virtual Machine Component Protection.

44 .

[VMware Distributed Resource Scheduler \(DRS\)](#)

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

Correct Answer : **Balances virtualized computing workloads with available resources**

Explanation : DRS allows IT shops to conserve server resources and maintain performance in line with user demand. Storage DRS uses VMware's Storage vMotion technology to automatically load balance disks.

45 .

[VMware memory overcommit](#)

A)

A secure site where data communications media converge and are interconnected

B)

An allocation method that moves unused memory shares from VMs to other VMs

C)

A hardware device that contains multiple tape drives, access ports for tapes and a robotic device for mounting cartridges

D)

A way to fit more data on a storage medium by analyzing the data for unique repetitive patterns that can be stored as shorter symbols

Correct Answer : An allocation method that moves unused memory shares from VMs to other VMs

Explanation : Hypervisors allow VMs to use more memory space than the physical host has available. For example, four 1 GB VMs can share a 2 GB host server. VMware enables memory overcommitment with Idle Memory Tax, which assigns a higher value to unused memory shares on a host.