

CS505-P Quiz-6 By Vu Topper RM
For Help = 03224021365 , 03164980094

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Which type of virtualization creates virtualized versions of physical hardware devices, allowing multiple virtual devices to run on a single physical device?

- A. Server virtualization
- B. Storage virtualization
- C. Hardware virtualization**
- D. Network virtualization

Which type of virtualization creates virtualized versions of physical network devices, allowing multiple virtual networks to run on a single physical network?

- A. Network virtualization**
- B. Storage virtualization
- C. Server virtualization
- D. Application virtualization

Which type of virtualization allows applications to run on a virtualized operating system, separate from the host operating system?

- A. Server virtualization
- B. Application virtualization**
- C. Storage virtualization
- D. Network virtualization

Which type of virtualization allows multiple virtual servers to run on a single physical server, sharing the underlying hardware resources?

- A. Network virtualization
- B. Server virtualization**
- C. Storage virtualization
- D. Application virtualization

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Which type of virtualization pools storage resources from multiple physical devices into a single virtual storage device?

- A. Storage virtualization**
- B. Server virtualization
- C. Network virtualization
- D. Application virtualization

Which technology provides the solution of Application level virtualization?

- A. Microsoft Azure
- B. Docker
- C. Microsoft App-v**
- D. Google Cloud Platform

The practice of hosting a desktop Operating system and applications together on remote host is called _____.

- A. Storage Virtualization
- B. Desktop Virtualization**
- C. Data Virtualization
- D. Application Virtualization

Which statement is incorrect in case of Applications Virtualization?

- A. Run cross-platform applications
- B. Application are independent of underlying OS
- C. Applications cost reduced
- D. Applications installed locally on client machine**

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Which technology companies are known for operating massive data centers to support their services?

- A. Twitter and LinkedIn
- B. Facebook and Google
- C. Microsoft and Apple
- D. Amazon and Netflix**

Which type of organization offers data center services such as colocation, hosting, or cloud services?

- A. Advertising Agencies
- B. Law Firms
- C. Hospitals
- D. Data Center Service Providers**

What is the primary advantage of a Hardware-Defined Data Center (HDDC)?

- A. Lower hardware costs
- B. Enhanced scalability and flexibility
- C. Higher performance and lower latency**
- D. Simplified management and reduced complexity

Which company designs its own custom servers and data centers as part of its infrastructure strategy?

- A. TikTok
- B. Airbnb
- C. Facebook**
- D. Spotify

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What is the primary advantage of a Software-Defined Data Center (SDDC)?

- A. Improved security
- B. Faster data processing speed.
- C. Enhanced scalability and flexibility**
- D. Reduced hardware costs.

What does vCPU stand for in the context of a virtual data center?

- A. Virtual Core Processing Unit
- B. Virtual Compute Processing Unit
- C. Virtual Central Processing Unit**
- D. Virtual Control Processing Unit

Which feature allows multiple virtual machines to access a shared storage system concurrently while maintaining data integrity?

- A. Network-attached storage (NAS)
- B. Storage area network (SAN)**
- C. Storage virtualization
- D. Distributed file system

What is the benefit of using virtual hard disks in a virtual data center?

- A. Reduced hardware costs and better resource utilization**
- B. Enhanced data security and encryption capabilities
- C. Improved network connectivity and lower latency
- D. Increased physical storage capacity and faster data access

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How are vCPUs allocated to virtual machines in a virtual data center?

- A. vCPUs are dynamically allocated based on the workload of each virtual machine.
- B. vCPUs are only allocated to high-priority virtual machines.
- C. vCPUs are shared among all virtual machines in the data center.
- D. Each virtual machine is assigned a fixed number of vCPUs.**

Which architectural component of a Virtual Data Center enables the migration of virtual machines between physical hosts without service interruption?

- A. Load Balancer
- B. Live Migration Manager**
- C. Hypervisor
- D. Virtual Switch

3. Which type of virtualization creates virtualized versions of physical network devices, allowing multiple virtual networks to run on a single physical network? Correct answer: c) Network virtualization

- A. Server virtualization
- B. Application virtualization
- C. Network virtualization**
- D. Storage virtualization

Which component of an SDDC is responsible for managing and orchestrating virtual machines?

- A. Software-Defined Storage (SDS)
- B. Hypervisor
- C. Virtual Machine Manager (VMM)**
- D. Software-Defined Networking (SDN)

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Which virtualization tool provides a Type-2 hypervisor that runs on top of an existing operating system?

- A. KVM
- B. VirtualBox**
- C. Hyper-V
- D. VMware vSphere

What is a virtual machine (VM)?

- A. A network device that connects virtual machines to the internet
- B. A software program that emulates a physical computer system**
- C. A virtual storage device used for data backup.
- D. A physical server in a virtualized environment

Which of the following is a popular open-source virtualization tool?

- A. Xen
- B. VMware vSphere
- C. VirtualBox**
- D. Hyper-V

100% Correct answer required?

What is the purpose of a snapshot feature in virtual machines?

- A. To capture the state of a virtual machine at a specific point in time for backup or recovery purposes.**
- B. To transfer a virtual machine from one physical server to another without interruption.
- C. To allocate additional resources to a virtual machine for improved performance
- D. To allow multiple virtual machines to communicate with each other

Which component of VMware vSphere allows multiple virtual machines to run on a single physical server?

- A. ESXi**

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- B. Virtual Machine Monitor (VMM)
- C. vMotion
- D. vCenter

- A.
 - B.
 - C.
 - D.
- 100% Correct answer required?

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