

Virtualization in Cloud

Total points 8/12 ?

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0 of 0 points

Name of the student *

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Class *

☐ TE 3☒ TE 4☐ TE 9

Roll No. *

46

Virtualization

8 of 12 points



✓ 1. What are the different types of Virtualization * 1/1

- ☒ Application Virtualization ✓
- ☒ Network Virtualization ✓
- ☒ Desktop Virtualization ✓
- ☒ Storage Virtualization ✓

✓ 2. Network virtualization, provides a facility to create and provision virtual networks—logical switches, routers, firewalls, load balancer, Virtual Private Network (VPN) *1/1

- ☒ True ✓
- ☐ False

✓ 3. This is an array of servers that are managed by a virtual storage system. *1/1

- ☐ Application Virtualization
- ☒ Storage Virtualization ✓
- ☐ Desktop Virtualization
- ☐ None of the above



✓ 5. An operating system running on a Type __ VM is a full virtualization. * 1/1

- ☐ Type 2- Hosted Hypervisor
- ☒ Type 1 - Bare metal Hypervisor



✓ 6. In a _____ scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware. *1/1

- ☐ Paravirtualization
- ☒ Full virtualization
- ☐ Emulation
- ☐ None of the above



✗ 7. Following are the examples of Type 1 hypervisors * 0/1

- ☒ ESXi
- ☒ Citrix XenServer
- ☒ Microsoft Hyper-V hypervisor.
- ☒ Oracle VM



✗ 8. Which of the following type of virtualization is found in hypervisor such as Microsoft's Hyper-V ? *0/1

- ☐ paravirtualization
- ☒ full virtualization
- ☐ emulation
- ☐ none of the mentioned

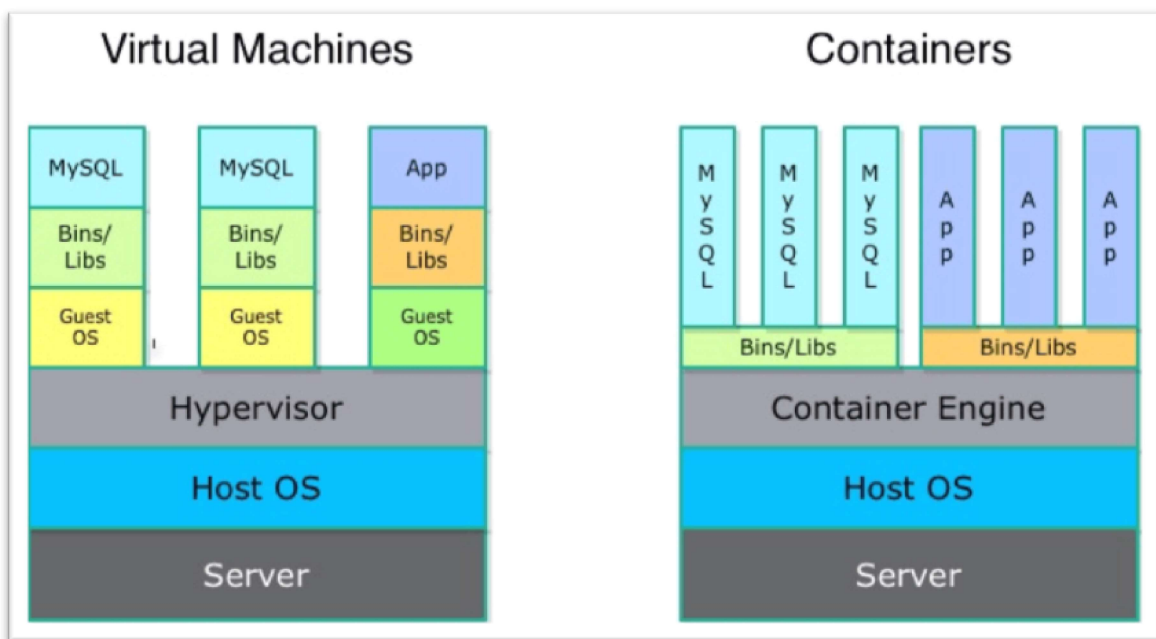
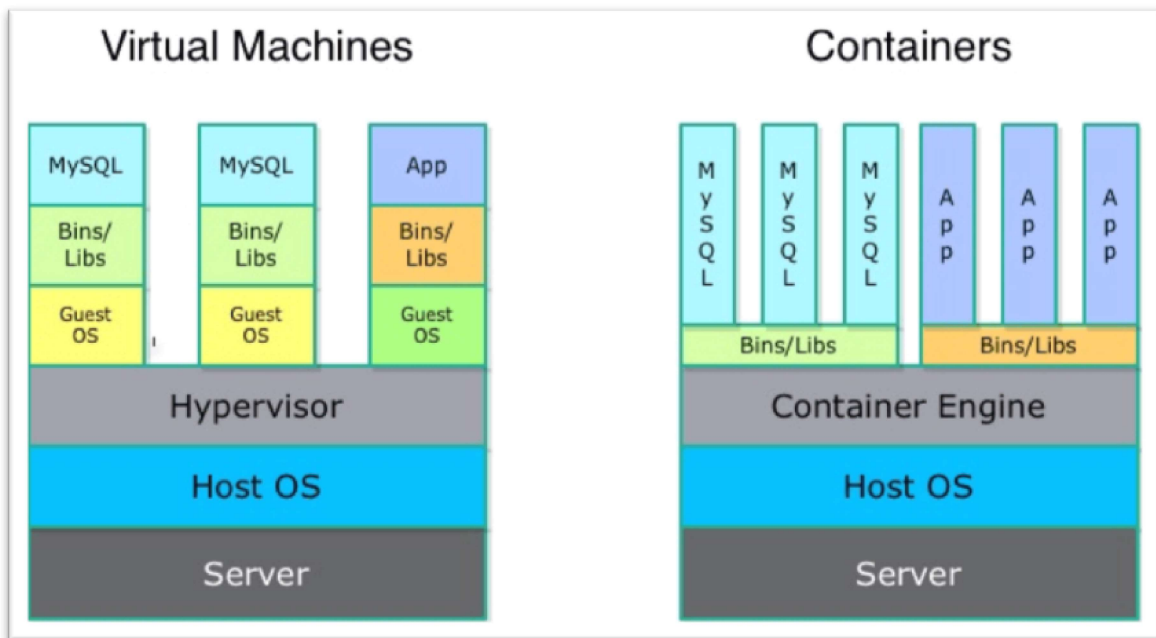
✗

✗ 9. Paravirtualization is a type of virtualization in which *

0/1

- ☐ A guest operating system (OS) is recompiled, installed inside a virtual machine (VM), and operated on top of a hypervisor program running on the host OS.
- ☐ A guests will issue a hardware calls
- ☒ A guests will directly communicate with the host (hypervisor) using the drivers. ✓
- ☐ It doesn't need to simulate the hardware for the virtual machines.





✗ 10. Which statement is true? (Refer the above figure)

0/1

- ☐ Virtual machines (VM) are managed by a hypervisor and utilize VM hardware
- ☒ Container systems provide operating system services from the underlying host and isolate the applications using virtual-memory hardware ✗
- ☐ Advantage of container is the low overhead
- ☐ All of the above

✓ 11. What is Horizontal scaling in cloud? *

1/1

- ☒ Scale by adding more machines into your pool of resources ✓
- ☐ Scale by adding more power (CPU, RAM) to an existing machine.

✓ 12. Which statement true about a bare metal hypervisor? *

1/1

- ☐ It can only be hosted on an existing operating system
- ☐ It requires a separate license for the native operating system
- ☐ IT has minimum functionality to support only one type of operating system.
- ☒ It runs directly on server hardware to provide virtual machines with timesharing resources. ✓



✓ 14. Which of the following runs on Xen Hypervisor? *

1/1

- ☐ azure
- ☒ aws ec2
- ☐ aws ec3
- ☐ all of the mentioned



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