

## Congratulations! You passed!

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1.	Each Cloud Region can have multiple Zones (also known as Availability Zones). What are Zones?	1 / 1 point
	Geographic area or region where cloud provider's infrastructure is clustered	
	O Single shared point of failure	
	Standardized containers of computing resources	
	Unique physical locations with one or more data centers	
	<ul> <li>Correct</li> <li>Zones, or Availability Zones, are distinct locations with one or more data centers with their own power, cooling, and networking resources.</li> </ul>	
2.	Is it possible to run completely different operating systems on Virtual Machines (VMs) that are on a single host? If yes, what makes this possible?	1/1 point
	O Yes, Containerization makes it possible—to have VMs that are unique physical entities, so you can have completely different Operating Systems on them.	
	Yes, Virtualization makes it possible— to have VMs, running different operating systems, on a single host.	
	O No, it is not possible—VMs are software-based versions of a single host. They cannot have different environments from one another.	
	O No, it is not possible—A single host can only work as one single virtual environment, and can, therefore, have only one environment.	
	<ul> <li>Correct         Each VM works like an independent physical entity with its own Operating System, runtime environments and applications.     </li> </ul>	
3.	Which of the following are examples of single-tenant compute environments in the Cloud? Select two.	1 / 1 point
	☐ Transient virtual servers  ✓ Dedicated host	
	<ul> <li>Correct         Dedicated hosts offer single-tenant isolation, which means only your VMs run on a given host.     </li> </ul>	
	<b>☑</b> Bare Metal servers	
	<ul> <li>Correct         Bare Metal servers are single-tenant physical hosts that offer a highly customizable environment for intensive workloads.     </li> </ul>	
	Reserved virtual server	
4.	Which of these scenarios is ideal for the use of bare metal servers, as opposed to virtual servers? Select two.	1 / 1 point
	☐ Workloads that require limited throughput and performance	
	■ Huge performance and strict security and compliance requirements	
	<ul> <li>Correct</li> <li>Bare metal servers are intended for high performance use in highly secure and isolated environments.</li> <li>Clients have full access and control of bare metal servers because they are dedicated for their use.</li> </ul>	
	∠ CPU and I/O intensive workloads	
	⊙ Correct     Since bare metal servers are dedicated and fully customizable, they can do what a customer wants in the most demanding environments.	

5. What are some key differences between Containers and Virtual Machines? Select two.	1 / 1 point
Containers are executable units of software while each virtual machine is a distinct physical entity	
Even though each container uses the same OS as the host OS, it still needs to have its own copy of the O while a virtual machine leverages the resources of the host OS	os,
Containers can use the same OS as the host, while a virtual machine needs its own copy of the OS, whice can also be different from the host OS	h
Correct Containers leverage the resources of the host OS, while VMs are set up to work as independent machinand can run an OS that is different from the host OS.	nes
✓ Containers are more lightweight as compared to virtual machines	
Correct A container includes only the executables with their dependencies, while each virtual machine needs not only have a virtual copy of the hardware but also the OS.	to
6. There are four types of cloud storage available. Which storage type is ephemeral or non-persistent?	1/1 point
○ File storage	
O Block storage	
Direct Attached storage	
Object storage	
<ul> <li>Correct         Direct Attached storage, also known as "local storage", is ephemeral as it is no longer accessible once         VM its attached to is de-provisioned.     </li> </ul>	the
7. What makes File storage an ideal solution for scenarios where shared storage is needed?	1 / 1 point
File Storage is mounted to compute nodes via an ethernet network	
Mounted from remote storage appliances	
O Its consistently high speed	
File storage can be mounted on multiple compute nodes at the same time	
Correct The ability for File Storage to be mounted to multiple compute nodes at a time make it an ideal solution for shared storage requirements.	on
8. Which of these scenarios are best suited for Block Storage? Select two.	1 / 1 point
☐ Workloads that need disk sharing between compute nodes	
✓ Workloads that need low-latency storage	
Correct Block storage is accessed via a dedicated network of fibres through which signals move at high speed, consistently. This makes block storage suitable for low latency workloads.	
Low cost is a consideration	
✓ Applications that need consistent fast access to disk, such as databases	
Correct Fibre optic networks move traffic at consistently high speeds, making it ideal for applications that nee consistent and fast access.	∙d
9. Which of these are features of Object Storage? Select two.	1 / 1 point
✓ You can directly use Object Storage without attaching it to a compute node	

☐ Low cost to use

You don't need an underlying compute node to connect to object storage, rather you can access it from anywhere using an API.	
Object Storage can be mounted on multiple compute nodes via an ethernet network	
Storage is attached to compute nodes using a fibre network	
Object storage is effectively infinite	
Correct With file and block storage, you specify the size of the storage and pay a fee based on the size you provisioned. With Object Storage, you consume as much storage as you need and pay-as-you-go.	
What is the main benefit of a Content Delivery Network (CDN)?	1 / 1 point
O. What is the main benefit of a Content Delivery Network (CDN)?  Enhanced control over network traffic by routing traffic to specified resources	1 / 1 point
	1/1 point
Enhanced control over network traffic by routing traffic to specified resources	1/1 point
Enhanced control over network traffic by routing traffic to specified resources  Distribute tasks, workloads, and network traffic	1/1 point