



# Quiz: Virtual Machines and Networks in the Cloud

Your score: 100%    Passing score: 75%

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Congratulations! You passed this assessment.

✓ 1. Select the true statement about Google's VPC networks and subnets.

- ☒ Networks are global, and subnets are regional.
- ☐ Networks are regional, and subnets are zonal.
- ☐ Networks are global, and subnets are zonal.
- ☐ Both networks and subnets are global.

Correct!



Correct!

✓ 2. Which statement best describes how VPC routers and firewalls work?

- ✓ ☒ They are managed by Google as a built-in feature.
- ☐ They are managed by Google in virtual machines and customers can tune or deactivate them.
- ☐ They are managed by Google in virtual machines and customers cannot modify them.
- ☐ Customers provision virtual machines and run their routers and firewalls in them.

Correct!

✓ 3. A Google Cloud customer wants to load-balance traffic among the backend VMs that form part of a multi-tier application. Which load-balancing option should this customer choose?



Correct!

- ✓ 3. A Google Cloud customer wants to load-balance traffic among the backend VMs that form part of a multi-tier application. Which load-balancing option should this customer choose?
- ☐ The regional load balancer
  - ☐ The global SSL proxy
  - ☐ The global HTTP(S) load balancer
  - ☐ The global TCP proxy
  - ✓ ☒ The regional internal load balancer

Correct!

- ✓ 4. Which term describes a secure, individual, private cloud-computing model hosted within a public cloud?



✓ The regional internal load balancer

Correct!

✓ 4. Which term describes a secure, individual, private cloud-computing model hosted within a public cloud?

- ✓ Virtual private cloud (VPC)
- ☐ Content delivery network (CDN)
- ☐ Domain name system (DNS)
- ☐ Virtual private network (VPN)

Correct!

✓ 5. Which interconnect option is a service level agreement (SLA) available for?

- ☐ Domain name system (DNS)
- ☐ Virtual private network (VPN)

Correct!

✓ 5. Which interconnect option is a service level agreement (SLA) available for?

- ✓ Dedicated Interconnect
- ☐ Direct Peering
- ☐ Carrier Peering
- ☐ Standard Network Tier

Correct!

✓ 6. Preemptible VMs can offer advantages over a standard Compute



Correct!

- ✓ 6. Preemptible VMs can offer advantages over a standard Compute Engine VM. What is a reason customers choose preemptible VMs?
- ☐ To improve performance
  - ☐ To use custom machine types
  - ☐ To reduce cost on premium operating systems
  - ✓ To reduce cost

That's correct! The per-hour price of preemptible VMs incorporates a substantial discount.

- ✓ 7. An application running in a Compute Engine virtual machine needs high-performance scratch space. Which type of storage meets this need?



That's correct! The per-hour price of preemptible VMs incorporates a substantial discount.

✓ 7. An application running in a Compute Engine virtual machine needs high-performance scratch space. Which type of storage meets this need?

- ✓ ☒ Local SSD
- ☐ Regional persistent disk
- ☐ Cloud Storage bucket
- ☐ Zonal persistent disk

Correct!