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## Google Compute Engine and Networking

LATEST SUBMISSION GRADE

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1. *True or False:* Google Cloud Load Balancing allows you to balance HTTP-based traffic across multiple Compute Engine *regions*.

1 / 1 point

- ☒ True
- ☐ False



**Correct**

Correct! With global Cloud Load Balancing, your application presents a single front-end to the world.

2. Which statement is true about Google VPC networks and subnets?

1 / 1 point

- ☒ Networks are global; subnets are regional
- ☐ Networks are global; subnets are zonal



- ☐ Networks and subnets are global
- ☐ Networks are regional; subnets are zonal

✓ **Correct**  
Correct!

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

1 / 1 point

- ☐ Standard persistent
- ☒ Local SSD
- ☐ Local standard
- ☐ SSD persistent

✓ **Correct**  
Correct!

4. Choose an application that would be suitable for running in a Preemptible VM.

1 / 1 point

- ☐ An interactive website



- ☐ An online relational database
- ☐ A batch job that cannot be checkpointed and restarted
- ☒ A batch job that can be checkpointed and restarted

✓ **Correct**  
Correct!

5. How do Compute Engine customers choose between big VMs and many VMs?

1 / 1 point

- ☒ Use big VMs for in-memory databases and CPU-intensive analytics; use many VMs for fault tolerance and elasticity
- ☐ Use big VMs for fault tolerance and elasticity; use many VMs for in-memory databases and CPU-intensive analytics

✓ **Correct**  
Correct!

6. How do VPC routers and firewalls work?

1 / 1 point

- ☒ They are managed by Google as a built-in feature.
- ☐ Customers provision virtual machines and run their routers and firewalls in them.
- ☐ They are managed by Google in virtual machines, which customers may tune or turn off.



7. A GCP customer wants to load-balance traffic among the back-end VMs that form part of a multi-tier application. Which load-balancing option should this customer choose?

1 / 1 point

- ☐ The regional load balancer
- ☒ The regional internal load balancer
- ☐ The global HTTP(S) load balancer
- ☐ The global TCP proxy
- ☐ The global SSL proxy

✓ **Correct**  
Correct!

8. For which of these interconnect options is a Service Level Agreement available?

1 / 1 point

- ☒ Dedicated Interconnect
- ☐ Direct Peering
- ☐ VPNs with Cloud Router
- ☐ Carrier Peering

✓ **Correct**  
Correct!