

✓ **Congratulations! You passed!**
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Module Quiz

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1. Which statement is true of Virtual Machine Instances in Google Compute Engine?

1 / 1 point

- ☐ A VM in Compute Engine always maps to a single hardware computer in a rack.
- ☐ All Compute Engine VMs are single tenancy and do not share CPU hardware.
- ☐ Compute Engine uses VMware to create Virtual Machine Instances.
- ☒ In Compute Engine, a VM is a networked service that simulates the features of a computer.

✓ **Correct**

VMs in Compute Engine are a collection of networked services. This includes disks (persistent disks) which are network-attached. In some cases the GCP VM behaves unlike hardware or other kinds of virtual machines, for example, when a multi-tenant virtual CPU ""bursts"", using excess capacity beyond the VM spec.

2. What are sustained use discounts?

1 / 1 point

- ☐ Discounts you receive by using preemptible VM instances
- ☒ Automatic discounts that you get for running specific Compute Engine resources for a significant portion of the billing month
- ☐ Purchase commitments for specific resources you know you will use
- ☐ Per-second billing that starts after a 1 minute minimum

✓ **Correct**

That's correct! Sustained use discounts are automatic discounts that you get for running specific Compute Engine resources (vCPUs, memory, GPU devices) for a significant portion of the billing month. To take advantage of the full 30% discount, create your VM instances on the first day of the month, because discounts reset at the beginning of each month.

3. Which statement is true of persistent disks?

1 / 1 point

- ☐ Persistent disks are always HDDs (magnetic spinning disks).
- ☒ Persistent disks are encrypted by default.
- ☐ Once created, a persistent disk cannot be resized.
- ☐ Persistent disks are physical hardware devices connected directly to VMs.

✓ **Correct**

Persistent Disks are not physical disks, they are a virtual-networked service. Each persistent disk remains encrypted either with system-defined keys or with customer-supplied keys.