Create a GCE Instance using gcloud

By Naveen PS

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Use the following gcloud compute instances create command to create a VM from the latest version of an OS image or from a specific version of an OS image, optionally with additional non-boot disks:

```
gcloud compute instances create VM_NAME

--image-family IMAGE

--image-project IMAGE_PROJECT

[--create-disk image=DISK_IMAGE,

image-project=DISK_IMAGE_PROJECT]

[,size=SIZE_GB]

[,type=DISK_TYPE]

[--shielded-secure-boot]
```

Replacing the following:

VM_NAME: Name of the new VM.

IMAGE: Image to create the VM from. There are two ways to specify the image:

Specify the family to create the VM from the most recent OS version. For example, if you specify debian-10 as the image, Compute Engine creates a VM from the latest version of the OS image in the Debian 10 image family.

Specify a specific version of a public OS, for example: debian-10-buster-v20200309.

IMAGE_PROJECT: Project containing the image.

DISK_IMAGE: Optional: Specify for each additional, up to 128, secondary non-boot disks. Specify the family to create the disk from using the most recent OS version in that family, or specify a specific image version. For blanks disks, do

not specify a disk image or image project. After adding non-boot disks, you must format and mount them.

DISK_IMAGE_PROJECT: Optional: Image project to which the disk image belongs. For blank disks, do not specify a disk image or image project.

SIZE_GB: Optional: Size of the secondary disk.

DISK_TYPE: Optional: Type of persistent disk, set to either pd-standard or pd-ssd.

--shielded-secure-boot: Optional: If you chose an image that supports Shielded VM features, Compute Engine, by default, enables the virtual trusted platform module (vTPM) and integrity monitoring. Compute Engine does not enable Secure Boot by default. If you specify --shielded-secure-boot, Compute Engine creates a VM with all three Shielded VM features enabled. After Compute Engine starts your VM, to modify Shielded VM options, you must stop the VM.

Verify that Compute Engine created the VM, replacing VM_NAME with the name of the VM:

gcloud compute instances describe VM_NAME

THE END