

Google Cloud Platform Fundamentals

Lab Guide for Google Compute Engine

```
# Get a list of images
gcloud compute images list

PROJECT=<PROJECT_ID> # Replace this with your project id
ZONE=asia-south1-a    # Replace this with a GCP zone of your choice

# Launch a GCE instance
gcloud compute instances create gcp-lab1 \
  --project=$PROJECT \
  --zone=$ZONE \
  --machine-type=f1-micro \
  --tags=http-server \
  --image=ubuntu-1804-bionic-v20190722a \
  --image-project=ubuntu-os-cloud

# Open port 80 for HTTP access
gcloud compute firewall-rules create default-allow-http \
  --project=$PROJECT \
  --direction=INGRESS \
  --action=ALLOW \
  --rules=tcp:80 \
  --source-ranges=0.0.0.0/0 \
  --target-tags=http-server

# SSH into the VM
```



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```
gcloud compute ssh gcp-lab1 --zone=$ZONE
```

```
# Run these commands within the VM
```

```
sudo apt-get install -y apache2
```

```
sudo systemctl start apache2
```

```
# List instances
```

```
gcloud compute instances list --zone=$ZONE
```

```
# Access Apache through the public IP
```

```
# Terminate the instance
```

```
gcloud compute instances delete gcp-lab1 --zone $ZONE
```

