LAB COMMANDS LIST

# Check the elected project

gcloud config list

# Show any .ssh folder

pwd

ls

ls -a .ssh

# Get our bearings in Cloud Shell

whoami

hostname

curl api.ipify.org

# Check that we have nothing running

gcloud compute instances list

# Don't create a default VM

# Cancel: gcloud compute instances create myhappyvm

# Look at how to set the machine type

gcloud compute instances create myhappyvm -h

gcloud compute instances create myhappyvm --help

gcloud compute machine-types list

# See how to filter

gcloud topic filters

# Show some free-tier-eligible options

gcloud compute machine-types list --filter="NAME:f1-micro"

gcloud compute machine-types list --filter="NAME:f1-micro AND ZONE~us-west"

# Set our defaults to Los Angeles

gcloud config set compute/zone us-west2-b

gcloud config set compute/region us-west2

# Start our instance

gcloud compute instances create --machine-type=f1-micro myhappyvm

ping -c 3 myhappyvm

ping -c 3 internalipaddress

ping -c 3 externalipaddress

# Connect to the VM

ssh externalipaddress

gcloud compute ssh myhappyvm

# Get our bearings -- Skip?

whoami

hostname

curl api.ipify.org

# Get back to Cloud Shell

exit

curl api.ipify.org

# Look at the Cloud Shell .ssh files

cd .ssh

ls

cat google\_compute\_engine.pub

head -n 10 google\_compute\_engine

# Log back onto the VM

gcloud compute ssh myhappyvm

# See that our key is authorized

cd .ssh

ls

cat authorized\_keys

cd ..

# Check out the metadata

* curl metadata.google.internal/computeMetadata/v1/
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/project/
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/project/project-id
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/project/attributes/
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/project/attributes/ssh-keys

# Look at some instance metadata

* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/instance/
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/instance/name
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/instance/service-accounts/default/
* curl -H "Metadata-Flavor: Google" metadata.google.internal/computeMetadata/v1/instance/service-accounts/default/email

# See what gcloud knows

gcloud config list

# Look at our buckets

gsutil ls

gsutil ls gs://storage-lab-cli/

# Attempt to delete the VM from within the VM

gcloud compute instances delete myhappyvm

# Exit back to Cloud Shell and actually delete the VM

exit

gcloud compute instances delete myhappyvm