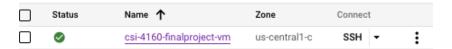
## Nicholas Marogi Final Project

Create a VM (specs can be similar to assignment) /gcloud (20%)

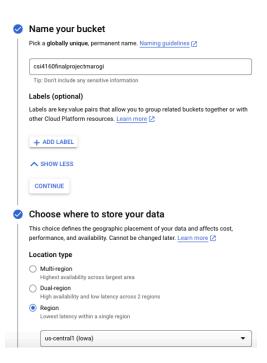


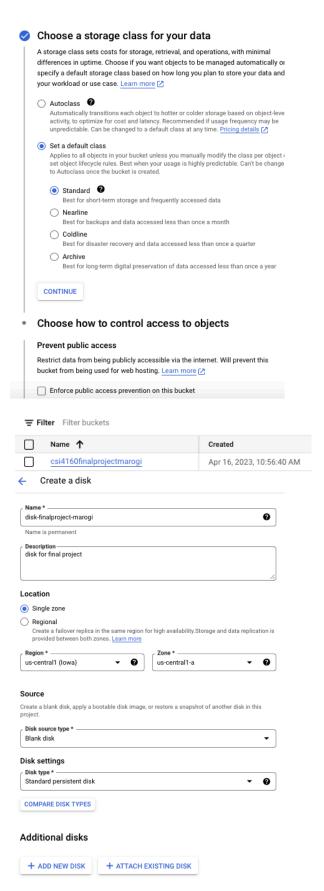
Initiate VM (see sample below) / gcloud (15%)



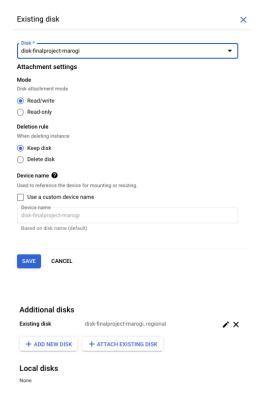
#gcloud.sh is a tool to start/stop a VM under the 'My First Project' in
GCP
#args [start|stop]
#run by issuing,
#sh gcloud.sh start
gcloud compute instances \$1 --zone "csi-4160finlproject-vm-us-central1-c"
"VM" --project "My First Project"

Create and attach new HDD to your VM / gcloud (20%)

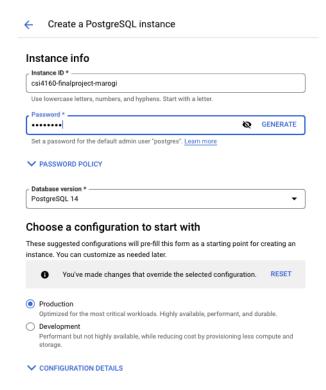




Local disks



• Create a Cloud SQL / database / Table (20%)



```
All instances > cald160-finalproject-marogi

PostgreSQL14

Chart

CPU utilization

CPU utilization

CPU utilization

CPU utilization

CREATE

CANCEL

CREATE

CANCEL

Walcome to Cloud Shall! Type "halp" to get started.

Your Cloud Platform project in this session is set to wired-episods-380823.

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Your Cloud Platform project in this session is set to wi
```

```
postgres-> \c csi4160-finalproject-sensehatdata-marogi
Password:
psql (15.2 (Debian 15.2-1.pgdgl10+1), server 14.5)
SSL connection (protocol: TLSvl.3, cipher: TLS_AES_256_GCM_SHA384, compression: off)
You are now connected to database "csi4160-finalproject-sensehatdata-marogi" as user "postgres".
csi4160-finalproject-sensehatdata-marogi->
```

en US.UTF8 | en US.UTF8

List of databases
Encoding	Collate	Ctype	ICU Locale	Locale Provider
UTP8	en\_US.UTP8	en\_US.UTP8	1 libc	
UTP8	en\_US.UTP8	en\_US.UTP8	1 libc	
UTP8	en\_US.UTP8	en\_US.UTP8	1 libc	
UTP8	en\_US.UTP8	en\_US.UTP8	1 libc	

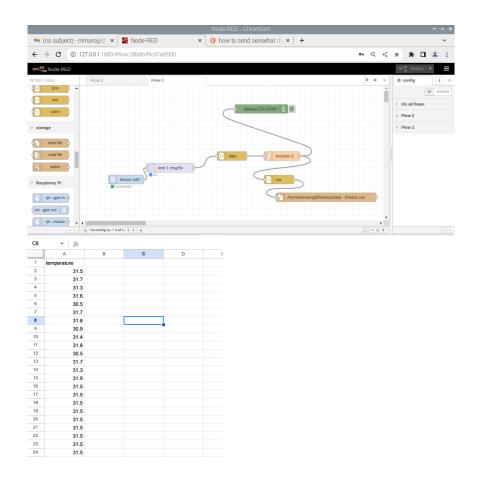
libe

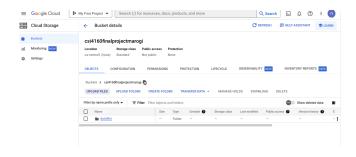
=c/cloudsqladmin cloudsqladmin=CTc/cloudsqladmin =c/cloudsqlsuperuser

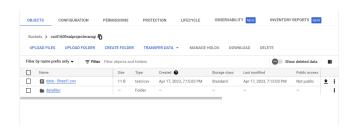
cloudsqlsuperuser

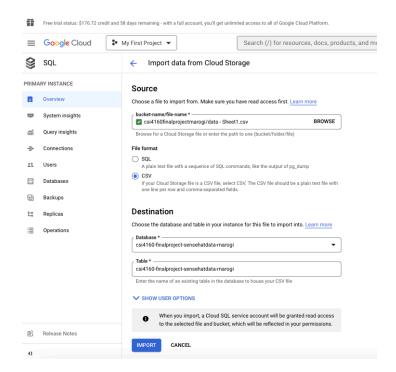
· IoT device

template1









 Github https://github.com/nlmarogi/CSI-4160-Final-Marogi.git