GCP Commands Services: Compute Engine, GKE, App Engine, Cloud Functions, Cloud Run, BQ, Cloud Storage, gsutil + iam, Artifact Registry Goland projects, goland sql, goland iam Compute Engine · actoud compute instances create -creates a new CE instance · gcloud compute instances list
— list all instances in the project · gcloud compute instances describe <instance name> -- Zone = 4 zone 7 -display detailed info about a particular instance · gcloud compute instances delete Linstance name? -- zone= - delete one or more CE instances · gcloud enmouse instances start/stop < name> -- zone = U-starts/stops a CEInstance ·gclaud compute ssh kname > -- zone= - Connect using SSh ·gcloud compute disks create Ldisk name? - create nuw persistent disk

·gcloud compute instances attach-disk Lumname? -- diek Ldiek name? ·gclaud compute images list - list available images for instance creation (can be used indut) ·gcloud compute firewall-rules creat

- Create New Firewall rule - galoud compute firewall-rules create allow-nttp -- allow top: 80

Google Kubernetes Engine (GKE) · gcloud container clusters create (cluster name) -- Zone Lzone7 -- num-nodes 3 · gcloud container node-pools create cop name? - cluster Lauren - create a nocle pool within a cluster · gcloud container clusters get-credentials 2 cluster name? -- Zone Lzonename? - configures kubect to use a specific GKE cluster · goland container clusters list - list all GIKE Clusters in project · Kubecti create -f deployment, yani -create a resource from a file · Kubecti apply -f deployment, yaml -applies changes to resources from a file · hubecti get pods/services/deployments -display information about resources · hubect 1 describe pode cipod name> - Show altailed pod information · Kubecti logs Lpod name> - print container logs for a pool ·hubecti scale deplayment Caleployment nome? -- replicas - scale the number of replicas in a deployment · Kubecti rollout status/undo deployment/cdep name?

- Manages resource vollout

'hubectl port-forward pod/Lipot name) 8080:80

- forwards the local port to a pool so the resource
is available in the local network

App Engine · galoud app deploy capp.yom1> - deploy app to app engine · galoud app browse (use -- version to see a specific version) - opens the deployed app in browsen · gclaud app logs read - read application logs · gclaud app Servicus list - list all application services ·actoud app describe -display info about the application ·gcloud app create -- region = Lregion? -create new AE application · galoud app deploy -- version = 2 version name? -deplay a specific version · actouch app instances list · galoud app deploy --no-promote - deploy new version with out routing traffic to it · galand app deploy -- Stop-previous - version -Stops previous version after deplaying the new one

Cloud tunctions Cfunction name? · galand Functions deploy hello-world -- runtime cruntme) -trigger-http -deploys new or updates function · galoud functions describe afunction name? · galoud functions delete LFunction name?
· galoud functions call knowner -- date & "name": "john"} - invoke For testing · gcloud functions add-ian-policy-binding cfname? -- member = user: Lemail? -- role = roles/cloudfunctions. - add a IAM binding to a function ·gcloud functions get-iam-policy concer -display IAM bindings for a function

·asutills - list buckets or objects ·gsutil cpfile.txt gs://my-bucket/ - copy File to / From Sturage · gsutil my gs: //my-bucket/old.txt gs: //my-bucket/new txt -move or rename objects ·gsutil rm gs://my-bucker/File.txt - Ollete objects or buckets ·gsutil mb - meke a new bucket ·gsutil rb - remove an empty bucket ·gsutil iam get/set -get or set iam policies gsutilian challusers: Object Viewer go: //my-bucket - update to the cloud IAM policy on a loveket on abj · goloud Storage bulkets create/delete gs://bucket name? -create or delete a bucket ·acloud Storage buckets list ·gcloud storage objects (ist Lbucket path) -list Objects in a bucket "gclaud storage objects create ge://bucket/File.tx+ -- Source = (occl-F:1e,+x+ -upload objects to a bucket ·gcloud storage buckets describe <bucket path> -drsplay bucket metadeta · geloud storage buckets set-iam-policy buckt peth> policy. yan 1 - Set IAM on a bucket from your ( File · gsutil rewrite -s Coldline gs://buretname/Object
- Changes the Storage class · GC loud storage objects update gs://butlet -- Storage-class= Nearline

Cloud Storage

Projects
·goland projects list
- list all accessible projects
· actouch projects describe <projectid></projectid>
galoud projects create/delete aproject-id?
· gcloud projects add-iam-policy-binding sprajectid?
Member = user : Lemaily role= roles/ croke name?
Big Query
· bg query 'CSq1 Statement here?'
-run a sal query
· by mk myproject: newdataset
-make a dataset
· log load dataset take data.csv schema.json
-load data into a table
· by extract dataset. tobbe 95://bucket/file.cov
- 1xport deta from take
· by show deteset. teke
- display info about a dataset or table by query dry-run 'query'
· by query dry-run 'query'
- without a queries cost without running, it
ba query batch 'query'
-run a query in butch mode

.

٠