gcloud CLI Google Cloud CLI

CONCEPTS

Commands read as gcloud <product> <resource> <verb>, e.g. compute instances list. Add --help at any level to explore.

AUTH AND ACCOUNTS

gcloud auth login
Sign in via browser

gcloud auth list
Show credentialed accounts

gcloud auth application-default login
Credentials for local code and SDKs

CONFIG AND PROJECTS

gcloud config list
Show active properties

gcloud config set project *<id>*
Set default project

gcloud config set compute/zone *<zone>*
Set default zone

gcloud config configurations list
List named configurations

gcloud config configurations activate *<name>*
Switch configuration

gcloud projects list
List projects you can see

gcloud services enable *<api>*.**googleapis.com**
Enable an API

COMPUTE INSTANCES

gcloud compute instances list
List VMs

gcloud compute instances create *<vm>*
Create a VM

gcloud compute instances start *<vm>*
Start a VM

gcloud compute instances stop *<vm>*
Stop a VM

COMPUTE INSTANCES (cont.)

gcloud compute instances delete *<vm>*
Delete a VM

SSH AND COPY

gcloud compute ssh *<vm>*
SSH into a VM

gcloud compute ssh *<vm>* **--command="***<cmd>***"**
Run one command remotely

gcloud compute ssh *<vm>* **--tunnel-through-iap**
SSH without a public IP

gcloud compute scp *<file>* *<vm>*:*<path>*
Copy a file to a VM

STORAGE

gcloud storage ls
List buckets

gcloud storage cp *<src>* *<dst>*
Copy files to, from or between buckets

IAM

gcloud projects get-iam-policy *<project>*
Show who has which role

gcloud projects add-iam-policy-binding *<project>* **--member=***<member>* **--role=***<role>*
Grant a role

FORMAT AND FILTER

--format=json
Output as JSON

--format="value(*<field>***)"**
Print bare values for scripts

--filter="*<field>***=***<value>***"**
Keep matching rows

--project=*<id>*
Override the project for one call

HELP AND DISCOVERY

gcloud *<group>* **--help**
List subcommands in a group