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