

gcloud cheat-sheet

NAME

gcloud cheat-sheet - display gcloud cheat sheet

SYNOPSIS

gcloud cheat-sheet [**GLOUD_WIDE_FLAG**CLOUD-WIDE-FLAGS) ...]

DESCRIPTION

A roster of go-to **gcloud** (/sdk/gcloud/reference) commands for the gcloud tool, Google Cloud's primary command-line tool.

Getting started

Get going with the **gcloud** (/sdk/gcloud/reference) command-line tool

- **gcloud init** (/sdk/gcloud/reference/init): Initialize, authorize, and configure the **gcloud** (/sdk/gcloud/reference) tool.
- **gcloud version** (/sdk/gcloud/reference/version): Display version and installed components.
- **gcloud components install** (/sdk/gcloud/reference/components/install): Install specific components.
- **gcloud components update** (/sdk/gcloud/reference/components/update): Update your Cloud SDK to the latest version.
- **gcloud config set** (/sdk/gcloud/reference/config/set) **project**: Set a default Google Cloud project to work on.
- **gcloud info** (/sdk/gcloud/reference/info): Display current **gcloud** (/sdk/gcloud/reference) tool environment details.

Help

Cloud SDK is happy to help

- **gcloud help** (/sdk/gcloud/reference): Search the **gcloud** (/sdk/gcloud/reference) tool reference documents for specific terms.



gcloud reference/feedback): Provide feedback for the Cloud

- **gcloud topic** (/sdk/gcloud/reference/topic): Supplementary help material for non-command topics like accessibility, filtering, and formatting.

Personalization

Make the Cloud SDK your own; personalize your configuration with properties

- **gcloud config set** (/sdk/gcloud/reference/config/set): Define a property (like compute/zone) for the current configuration.
- **gcloud config get-value** (/sdk/gcloud/reference/config/get-value): Fetch value of a Cloud SDK property.
- **gcloud config list** (/sdk/gcloud/reference/config/list): Display all the properties for the current configuration.
- **gcloud config configurations create** (/sdk/gcloud/reference/config/configurations/create): Create a new named configuration.
- **gcloud config configurations list** (/sdk/gcloud/reference/config/configurations/list): Display a list of all available configurations.
- **gcloud config configurations activate** (/sdk/gcloud/reference/config/configurations/activate): Switch to an existing named configuration.

Credentials

Grant and revoke authorization to Cloud SDK

- **gcloud auth login** (/sdk/gcloud/reference/auth/login): Authorize Google Cloud access for the **gcloud** (/sdk/gcloud/reference) tool with Google user credentials and set current account as active.
- **gcloud auth activate-service-account** (/sdk/gcloud/reference/auth/activate-service-account): Like **gcloud auth login** (/sdk/gcloud/reference/auth/login) but with service account credentials.
- **gcloud auth list** (/sdk/gcloud/reference/auth/list): List all credentialed accounts.
- **gcloud auth print-access-token** (/sdk/gcloud/reference/auth/print-access-token): Display the current account's access token.
- **gcloud auth revoke** (/sdk/gcloud/reference/auth/revoke): Remove access



Projects

Manage project access policies

- **gcloud projects describe** (/sdk/gcloud/reference/projects/describe): Display metadata for a project (including its ID).
- **gcloud projects add-iam-policy-binding** (/sdk/gcloud/reference/projects/add-iam-policy-binding): Add an IAM policy binding to a specified project.

Identity & Access Management

Configuring Cloud Identity & Access Management (IAM) preferences and service accounts

- **gcloud iam list-grantable-roles** (/sdk/gcloud/reference/iam/list-grantable-roles): List IAM grantable roles for a resource.
- **gcloud iam roles create** (/sdk/gcloud/reference/iam/roles/create): Create a custom role for a project or org.
- **gcloud iam service-accounts create** (/sdk/gcloud/reference/iam/service-accounts/create): Create a service account for a project.
- **gcloud iam service-accounts add-iam-policy-binding** (/sdk/gcloud/reference/iam/service-accounts/add-iam-policy-binding): Add an IAM policy binding to a service account.
- **gcloud iam service-accounts set-iam-policy** (/sdk/gcloud/reference/iam/service-accounts/set-iam-policy): Replace existing IAM policy binding.
- **gcloud iam service-accounts keys list** (/sdk/gcloud/reference/iam/service-accounts/keys/list): List a service account's keys.

Docker & Google Kubernetes Engine (GKE)

Manage containerized applications on Kubernetes

- **gcloud auth configure-docker** (/sdk/gcloud/reference/auth/configure-docker): Register the **gcloud** (/sdk/gcloud/reference) tool as a Docker credential helper.
- **gcloud container clusters create** (/sdk/gcloud/reference/container/clusters/create): Create a cluster to run GKE



- **gcloud container clusters list** (/sdk/gcloud/reference/container/clusters/list): List clusters for running GKE containers.
- **gcloud container clusters get-credentials** (/sdk/gcloud/reference/container/clusters/get-credentials): Update kubeconfig to get kubectl to use a GKE cluster.
- **gcloud container images list-tags** (/sdk/gcloud/reference/container/images/list-tags): List tag and digest metadata for a container image.

Virtual Machines & Compute Engine

Create, run, and manage VMs on Google infrastructure

- **gcloud compute zones list** (/sdk/gcloud/reference/compute/zones/list): List Compute Engine zones.
- **gcloud compute instances describe** (/sdk/gcloud/reference/compute/instances/describe): Display a VM instance's details.
- **gcloud compute instances list** (/sdk/gcloud/reference/compute/instances/list): List all VM instances in a project.
- **gcloud compute disks snapshot** (/sdk/gcloud/reference/compute/disks/snapshot): Create snapshot of persistent disks.
- **gcloud compute snapshots describe** (/sdk/gcloud/reference/compute/snapshots/describe): Display a snapshot's details.
- **gcloud compute snapshots delete** (/sdk/gcloud/reference/compute/snapshots/delete): Delete a snapshot.
- **gcloud compute ssh** (/sdk/gcloud/reference/compute/ssh): Connect to a VM instance by using SSH.

Serverless & App Engine

Build highly scalable applications on a fully managed serverless platform

- **gcloud app deploy** (/sdk/gcloud/reference/app/deploy): Deploy your app's code and configuration to the App Engine server.
- **gcloud app versions list** (/sdk/gcloud/reference/app/versions/list): List all versions of all services deployed to the App Engine server.
- **gcloud app browse** (/sdk/gcloud/reference/app/browse): Open the current app in a



- **gcloud app create** (/sdk/gcloud/reference/app/create): Create an App Engine app within your current project.
- **gcloud app logs read** (/sdk/gcloud/reference/app/logs/read): Display the latest App Engine app logs.

Miscellaneous

Commands that might come in handy

- **gcloud kms decrypt** (/sdk/gcloud/reference/kms/decrypt): Decrypt ciphertext (to a plaintext file) using a Cloud Key Management Service (Cloud KMS) key.
- **gcloud logging logs list** (/sdk/gcloud/reference/logging/logs/list): List your project's logs.
- **gcloud sql backups describe** (/sdk/gcloud/reference/sql/backups/describe): Display info about a Cloud SQL instance backup.
- **gcloud sql export sql** (/sdk/gcloud/reference/sql/export/sql): Export data from a Cloud SQL instance to a SQL file.

EXAMPLES

To view this cheat sheet, run:

```
$ gcloud cheat-sheet
```

GCLOUD WIDE FLAGS

These flags are available to all commands: **--access-token-file** (/sdk/gcloud/reference#--access-token-file), **--account** (/sdk/gcloud/reference#--account), **--billing-project** (/sdk/gcloud/reference#--billing-project), **--configuration** (/sdk/gcloud/reference#--configuration), **--flags-file** (/sdk/gcloud/reference#--flags-file), **--flatten** (/sdk/gcloud/reference#--flatten), **--format** (/sdk/gcloud/reference#--format), **--help** (/sdk/gcloud/reference#--help), **--impersonate-service-account** (/sdk/gcloud/reference#--impersonate-service-account), **--log-http** (/sdk/gcloud/reference#--log-http), **--project** (/sdk/gcloud/reference#--project), **--quiet** (/sdk/gcloud/reference#--quiet), **--trace-token** (/sdk/gcloud/reference#--trace-token), **--user-output-enabled** (/sdk/gcloud/reference#--user-output-enabled), **--verbosity** (/sdk/gcloud/reference#--verbosity).

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