gcloud cheat-sheet \(\pi \)

NAME

gcloud cheat-sheet - display gcloud cheat sheet

SYNOPSIS

gcloud cheat-sheet [GCLOUD_WIDE_FLAGC 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

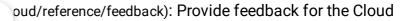
Get going with the gcloud (/sdk/gcloud/reference) command-line tool

- 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.
- <u>gcloud info</u> (/sdk/gcloud/reference/info): Display current <u>gcloud</u> (/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 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/qcloud/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.
- <u>gcloud compute snapshots describe</u> (/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.
- qcloud 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

/reference) for details.

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Last updated 2021-10-19 UTC.