

Google Pub/Sub Cheatsheet

Authentication & Setup

gcloud auth login

Authenticate with Google Cloud

gcloud config set project [PROJECT_ID]

Set the default Google Cloud project

gcloud pubsub topics list

List all Pub/Sub topics in the current project

gcloud pubsub subscriptions list

List all Pub/Sub subscriptions in the current project

Topic Management

gcloud pubsub topics create [TOPIC_NAME]

Create a new Pub/Sub topic

gcloud pubsub topics delete [TOPIC_NAME]

Delete a Pub/Sub topic

gcloud pubsub topics describe [TOPIC_NAME]

View details of a Pub/Sub topic

gcloud pubsub topics update [TOPIC_NAME] --

message-retention-duration=[DURATION]

Update topic message retention period

Subscription Management

gcloud pubsub subscriptions create [SUBSCRIPTION_NAME] --topic=[TOPIC_NAME]

Create a new subscription to a topic

gcloud pubsub subscriptions delete [SUBSCRIPTION_NAME]

Delete a subscription

gcloud pubsub subscriptions describe [SUBSCRIPTION_NAME]

View details of a subscription

gcloud pubsub subscriptions update [SUBSCRIPTION_NAME] --ack-deadline=[SECONDS]

Update subscription acknowledgment deadline

Publishing Messages

gcloud pubsub topics publish [TOPIC_NAME] --message="[MESSAGE]"

Publish a message to a topic

gcloud pubsub topics publish [TOPIC_NAME] --message="[MESSAGE]" --attribute="[KEY]=[VALUE]"

Publish a message with attributes

Consuming Messages

gcloud pubsub subscriptions pull [SUBSCRIPTION_NAME] --auto-ack

Pull and acknowledge messages from a subscription

gcloud pubsub subscriptions pull [SUBSCRIPTION_NAME] --limit=[NUMBER]

Pull a specific number of messages

gcloud pubsub subscriptions pull [SUBSCRIPTION_NAME] --format=json

Pull messages and output in JSON format

IAM & Access Control

gcloud pubsub topics get-iam-policy [TOPIC_NAME]

Get IAM policy for a topic

gcloud pubsub topics set-iam-policy [TOPIC_NAME] [POLICY_FILE]

Set IAM policy for a topic

gcloud pubsub subscriptions get-iam-policy [SUBSCRIPTION_NAME]

Get IAM policy for a subscription

gcloud pubsub subscriptions set-iam-policy [SUBSCRIPTION_NAME] [POLICY_FILE]

Set IAM policy for a subscription

Monitoring & Debugging

gcloud pubsub topics list-subscriptions [TOPIC_NAME]

List all subscriptions for a topic

gcloud pubsub snapshots list

List all snapshots

gcloud pubsub snapshots create [SNAPSHOT_NAME] --

subscription=[SUBSCRIPTION_NAME]

Create a snapshot of a subscription

gcloud logging read --resource.type=pubsub_topic

View Pub/Sub topic logs