
gcplogs

Mar 29, 2020

Contents

1	Examples	3
2	Installation	5
3	Providing credentials to gcplogs	7
4	Filter options	9
5	Helpful Links	11

Inspired by [*awslogs*](<https://github.com/jorgebastida/awslogs>), *gcplogs* is a simple command line tool for querying logging events from [Google Cloud Logging](<https://cloud.google.com/logging/docs>).

CHAPTER 1

Examples

```
$ gcplogs get gce_instance --event-start='1 week ago'
```

```
$ gcplogs get gce_instance --event-start='1 min ago' --watch
```

More advanced example:

```
$ gcplogs get ml_job --event-start '2 mins ago' --filter-pattern  
↪ 'protoPayload:unicorns'
```

```
$ gcplogs get ml_job --event-start '2 mins ago' --filter-pattern  
↪ 'protoPayload:unicorns' --project 'rainbows' --credentials '/cool-kids.json'
```


CHAPTER 2

Installation

You can easily install *gcplogs* using *pip* :

```
$ pip install gcplogs
```

Optional:

```
$ gcplogs --install-completion
```


CHAPTER 3

Providing credentials to gcplogs

Option 1: Follow [recommended way to authenticate Google Cloud API](<https://cloud.google.com/docs/authentication/getting-started>)

Option 2: If you have an activated service account, just create an environment variable:

```
$ export GOOGLE_APPLICATION_CREDENTIALS="/path/[FILE_NAME].json"
```

Option 3: If you have gcloud installed, you can use this method, but you might run into rate-limit errors:

```
$ gcloud auth application-default login
```


CHAPTER 4

Filter options

You can use *–filter-pattern* if you want to only retrieve logs which match one Stackdriver Logs Filter pattern.

```
$ gcplogs get audited_resource --filter-pattern="textPayload:10.0.0.0/8" --project_↵  
↵google-ai
```

Full documentation of how to write patterns: <https://cloud.google.com/logging/docs/view/logging-query-language>

CHAPTER 5

Helpful Links

- <https://cloud.google.com/logging/docs/view/logging-query-language>