Gcloud - Módulo 1 | Automação Google Cloud - IAM Service Accounts - Rodrigo Marques
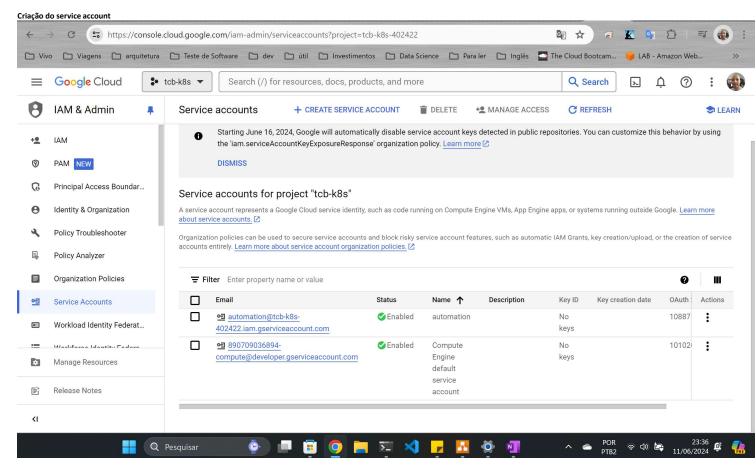
terça-feira, 11 de junho de 2024   23:36

Instalação do Gcloud cli
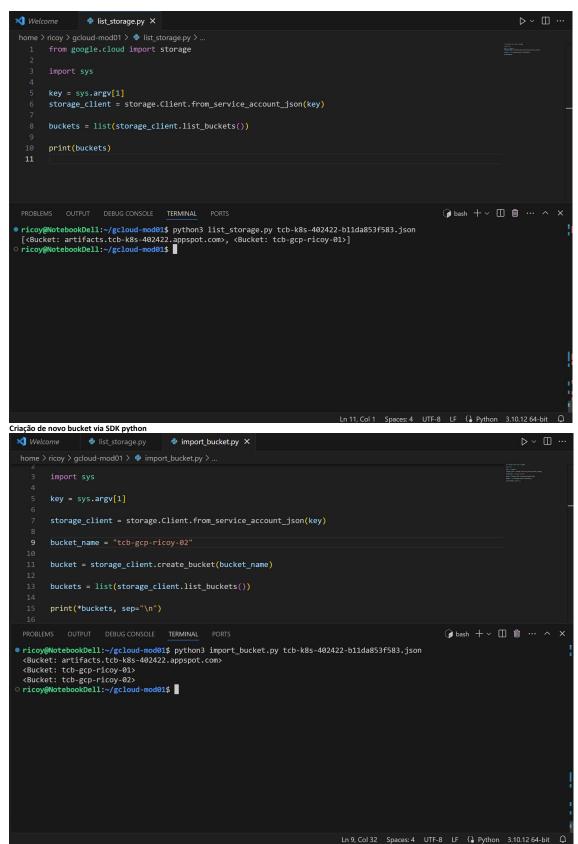


```
The following additional packages will be installed:
  google-cloud-cli-anthoscli
Suggested packages:
  google-cloud-cli-app-engine-java google-cloud-cli-app-engine-python google-cloud-cli-pubsub-emulator
  google-cloud-cli-bigtable-emulator google-cloud-cli-datastore-emulator kubectl
The following NEW packages will be installed:
  google-cloud-cli google-cloud-cli-anthoscli
0 upgraded, 2 newly installed, 0 to remove and 21 not upgraded.
Need to get 107 MB of archives.
After this operation, 614 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 https://packages.cloud.google.com/apt cloud-sdk/main amd64 google-cloud-cli amd64 480.0.0-0 [82.0 MB]
Get:2 https://packages.cloud.google.com/apt cloud-sdk/main amd64 google-cloud-cli-anthoscli amd64 480.0.0-0 [24.8 MB]
Fetched 107 MB in 17s (6258 kB/s)
Selecting previously unselected package google-cloud-cli.
(Reading database ... 24597 files and directories currently installed.)
Preparing to unpack .../google-cloud-cli_480.0.0-0_amd64.deb ...
Unpacking google-cloud-cli (480.0.0-0) ...
Selecting previously unselected package google-cloud-cli-anthoscli.
Preparing to unpack .../google-cloud-cli-anthoscli_480.0.0-0_amd64.deb ...
Unpacking google-cloud-cli-anthoscli (480.0.0-0) ...
Setting up google-cloud-cli (480.0.0-0) ...
Setting up google-cloud-cli-anthoscli (480.0.0-0) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.7) ...
ricoy@NotebookDell:~$
```

Criação do service account

Execução do script python para listagem dos buckets criados na GCP através do SDK

```python
from google.cloud import storage

import sys

key = sys.argv[1]
storage_client = storage.Client.from_service_account_json(key)

buckets = list(storage_client.list_buckets())

print(buckets)
```

TERMINAL

```
ricoy@NotebookDell:~/gcloud-mod01$ python3 list_storage.py tcb-k8s-402422-b11da853f583.json
[<Bucket: artifacts.tcb-k8s-402422.appspot.com>, <Bucket: tcb-gcp-ricoy-01>]
ricoy@NotebookDell:~/gcloud-mod01$
```

Criação de novo bucket via SDK python

```python
import sys

key = sys.argv[1]

storage_client = storage.Client.from_service_account_json(key)

bucket_name = "tcb-gcp-ricoy-02"

bucket = storage_client.create_bucket(bucket_name)

buckets = list(storage_client.list_buckets())

print(*buckets, sep="\n")
```

TERMINAL

```
ricoy@NotebookDell:~/gcloud-mod01$ python3 import_bucket.py tcb-k8s-402422-b11da853f583.json
<Bucket: artifacts.tcb-k8s-402422.appspot.com>
<Bucket: tcb-gcp-ricoy-01>
<Bucket: tcb-gcp-ricoy-02>
ricoy@NotebookDell:~/gcloud-mod01$
```

Visualização dos buckets criados pelo console da GCP

Cloud Storage

- **Buckets**
- Monitoring
- Settings

- Marketplace
- Release Notes

Soft Delete is now available

When enabled on a bucket, Soft Delete protects objects from accidental or malicious deletions. A 7 day Soft Delete policy has been added to all existing buckets. This is the default policy for new buckets.

LEARN MORE ↗

Transfer New

Power near real-time analytics and replication with event-driven transfers

You can now capture changes faster at your Google Cloud Storage and Amazon S3 sources via event-driven transfers, enabling you to act on your data in near real time. To get started, create a transfer job with a Pub/Sub- or AWS S3 based event stream configured to send event notifica when objects are created or updated.

CREATE TRANSFER JOB   LEARN MORE ↗

Filter   Filter buckets

	Name ↑	Created	Location type	Location	Default storage class	Last mod
☐	artifacts.tcb-k8s-402422.appspot.com	Nov 15, 2023, 8:14:01 PM	Multi-region	us	Standard	Nov 15,
☐	tcb-gcp-ricoy-01	Jun 12, 2024, 10:05:59 PM	Region	us-east1	Standard	Jun 12,
☐	tcb-gcp-ricoy-02	Jun 12, 2024, 10:21:05 PM	Multi-region	us	Standard	Jun 12,