

```
time.sleep(60)
PS C:\Users\andre\downloads\iot\lesson7> python .\thingspeak_feed.py
An API key savefile was not found. Enter Write API Key >>> DJ2IZTV8KK1GOTCN
Should we save this key for future use? [y/N] >>> y
1.0
22581.109375
Mon, 06 May 2024 16:42:29
200 OK
```

```
[notice] To update, run: python.exe -m pip install --upgrade pip
PS C:\Users\andre\downloads\iot\lesson7\demo> cp c:/users/andre/downloads/iot/lesson3/system_info.py
PS C:\Users\andre\downloads\iot\lesson7\demo> cp c:/users/andre/downloads/iot/lesson7/rpi_spreadsheet.py
PS C:\Users\andre\downloads\iot\lesson7\demo> ls

Directory: C:\Users\andre\downloads\iot\lesson7\demo

Mode                LastWriteTime         Length Name
----                -
-a-----         5/6/2024 12:21 AM          1989 rpi_spreadsheet.py
-a-----         5/6/2024 12:21 AM          2490 system_info.py
-a-----         5/6/2024 12:21 AM           981 thingspeak_cpu_loop.py
-a-----         5/6/2024 12:21 AM          2533 thingspeak_feed.py

PS C:\Users\andre\downloads\iot\lesson7\demo> |
```

Google Cloud

cpudata

Search (/) for resources, docs, products, and more

Search

APIs & Services

ENABLE APIS AND SERVICES

Enabled APIs & services

Library

Credentials

OAuth consent screen

Page usage agreements

Filter

Name	Requests	Errors (%)	Latency, median (ms)	Latency, 95% (ms)
Analytics Hub API				
BigQuery API				
BigQuery Connection API				
BigQuery Data Policy API				
BigQuery Migration API				
BigQuery Reservation API				
BigQuery Storage API				
Cloud Dataplex API				
Cloud Datastore API				
Cloud Logging API				
Cloud Monitoring API				
Cloud SQL				
Cloud Storage				
Cloud Storage API				
Cloud Trace API				
Dataform API				
Google Cloud APIs				
Google Cloud Storage JSON API				
Google Drive API				
Google Sheets API				
Service Management API				
Service Usage API				

Now viewing project "cpudata" in organization "No organization"

Rows per page: 50 1 - 22 of 22

rpidata

File Edit View Insert Format Data Tools Extensions Help

Menus

100%

123

10

B

A1	A	B	C	D	E	F	G
1	Type "@Emoji" to insert an emoji						
2							

cpu_loop

Channel ID: 2538360

Author: mwa0000027437628

Access: Private

[Private View](#)
[Public View](#)
[Channel Settings](#)
[Sharing](#)
[API Keys](#)
[Data Import / Export](#)

Channel Settings

Percentage Complete

30%

Channel ID 2538360

Name cpu_loop

Description

Field 1 cpu_pc ☒

Field 2 mem_av: ☒

Field 3 ☐

Field 4 ☐

Help

Channels store all the data that a ThingSpeak application collects. Each channel includes eight fields that can hold any type of data, plus three fields for location data and one for status data. Once you collect data in a channel, you can use ThingSpeak apps to analyze and visualize it.

Channel Settings

- **Percentage complete:** Calculated based on data entered into the various fields of a channel. Enter the name, description, location, URL, video, and tags to complete your channel.
- **Channel Name:** Enter a unique name for the ThingSpeak channel.
- **Description:** Enter a description of the ThingSpeak channel.
- **Field#:** Check the box to enable the field, and enter a field name. Each ThingSpeak channel can have

In this lab we learned about google APIs and used it to fill a google sheets document with information from a python script.