

Summary

Overview

Security configuration

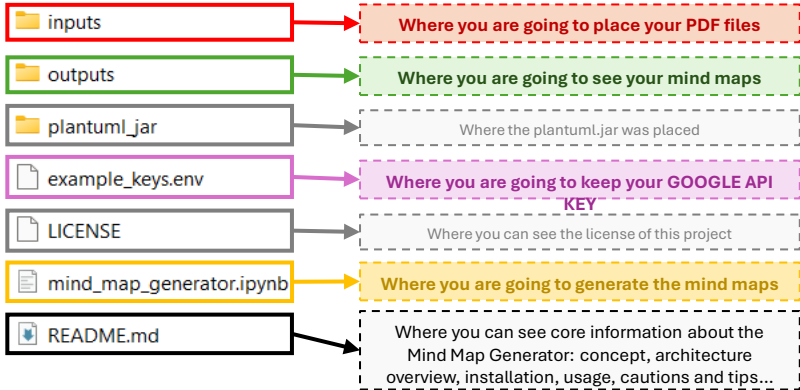
The 'inputs' folder

Mind maps generation

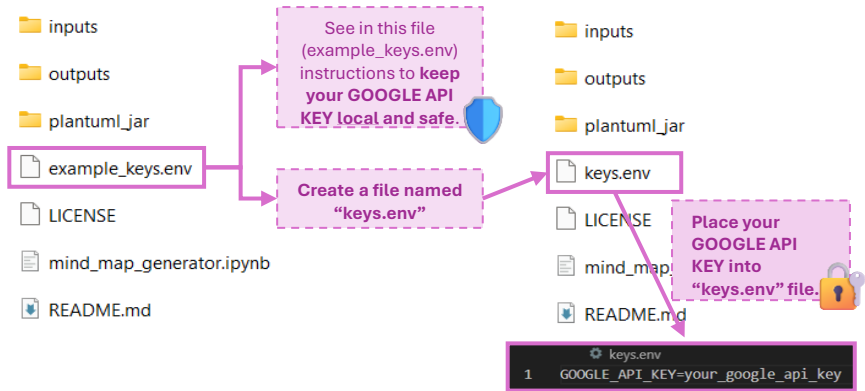
The 'outputs' folder

Manual adjustment

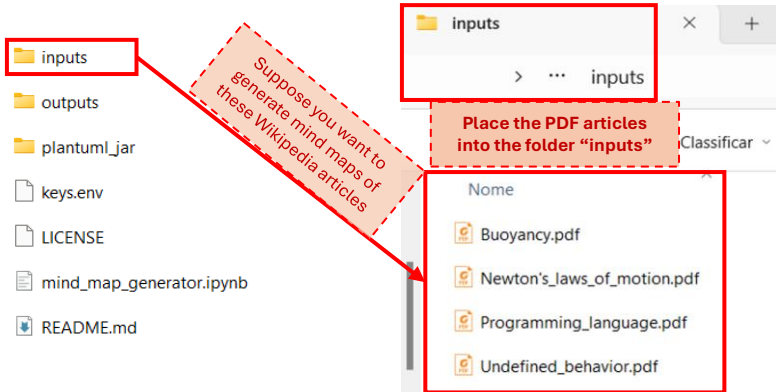
Overview



Security configuration



The 'inputs' folder



Mind maps generation

inputs

outputs

plantuml.jar

keys.env

LICENSE

mind_map_generator.ipynb

Open the
"mind_map_generator.ipynb" file

mind_map_generator.ipynb M X

mind_map_generator.ipynb > M User Interface and Workflow Setup

+ Code + Markdown | ▶ Run All ↺ Restart ≡ Clear All Outputs | 📄 Variables ≡ Outline ...

> Imports and Functions

▶ 1 cell hidden ...

▶ User Interface and Workflow Setup

▶ 1 cell hidden ...

1) click on "Execute Cell" within "Imports and Functions"

2) click on "Execute Cell" within "User Interface and Workflow Setup"

3) click here to see the content of the hidden cell.

Mind maps generation

Imports and Functions

1 cell hidden

User Interface and Workflow Setup

```
1 # User interface
2 description="Upload and Process", layout=widgets.Layout(width='150px'))
3 description="Reprocess Uploaded Files", layout=widgets.Layout(width='200px'))
4 _workflow(True))
5 run_workflow(False))
6 [upload_button, reprocess_button])
7
8 puml_selector = list_puml_files()
9
10 return widgets.VBox([workflow_buttons, puml_selector])
11
12 # Inicialização
13 inputs_path = "inputs"
14 combined_interface = create_combined_interface()
15 display(combined_interface)
```

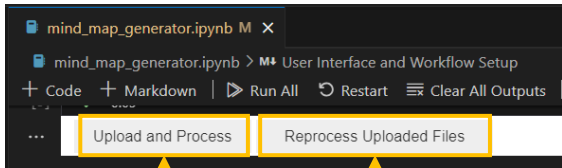
[?] ✓ 0.0s

Upload and Process Reprocess Uploaded Files

No .puml file found in the 'outputs' folder.

Use this panel at the bottom to generate the mind maps from your PDF files.

Mind maps generation



Click here to upload
your PDFs and
generate mind maps



Click here if you
have already
uploaded your PDF
files and want to
generate new mind
maps for them

If there are any files in Google Genai Cloud, they will be deleted. Genai Cloud is a specific cloud for processing files with Gemini and does not affect your Google Drive files - don't worry!

Mind maps generation

Suppose the 'Upload and Process' button is pressed...

If there are any files in Genai Cloud, they will be deleted.

Information about the upload process

See the progress of the mind map generation here

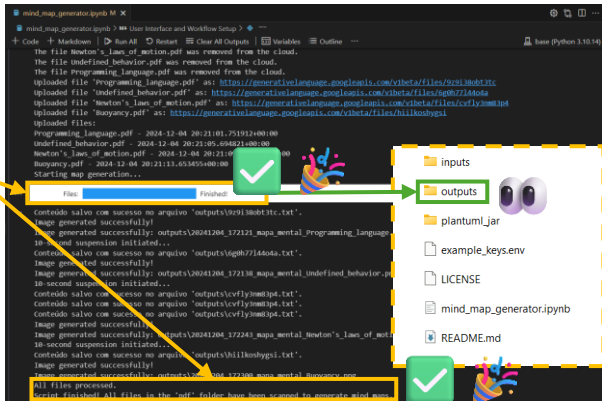
The screenshot shows a Jupyter Notebook interface with the following elements:

- Buttons:** 'Upload and Process' (highlighted with a yellow box) and 'Reprocess Uploaded Files'.
- Output Text:**
 - The file Buoyancy.pdf was removed from the cloud.
 - The file Newton's laws_of_motion.pdf was removed from the cloud.
 - The file Undefined_behavior.pdf was removed from the cloud.
 - The file Programming language.pdf was removed from the cloud.
 - Uploaded file 'Programming language.pdf' as: <https://generativelanguage.googleapis.com/v1beta/files/929i380bt3tc>
 - Uploaded file 'Undefined_behavior.pdf' as: <https://generativelanguage.googleapis.com/v1beta/files/6g0h77l44o4a>
 - Uploaded file 'Newton's laws_of_motion.pdf' as: <https://generativelanguage.googleapis.com/v1beta/files/cvfly3nm83p4>
 - Uploaded file 'Buoyancy.pdf' as: <https://generativelanguage.googleapis.com/v1beta/files/hiilkoshygsi>
 - Uploaded files:
 - Programming language.pdf - 2024-12-04 20:21:01.751912+00:00
 - Undefined_behavior.pdf - 2024-12-04 20:21:05.694821+00:00
 - Newton's laws_of_motion.pdf - 2024-12-04 20:21:09.705049+00:00
 - Buoyancy.pdf - 2024-12-04 20:21:13.653455+00:00
 - Starting map generation...
- Progress Bar:** A progress bar labeled 'Files:' with a blue fill and a label '10-second suspension initiated... 7 seconds remaining'.
- Output Text (continued):**
 - Conteúdo salvo com sucesso no arquivo 'outputs\929i380bt3tc.txt'.
 - Image generated successfully!
 - Image generated successfully: outputs\20241204_172121_mapa_mental_Programming_language.png
 - 10-second suspension initiated...
 - Conteúdo salvo com sucesso no arquivo 'outputs\6g0h77l44o4a.txt'.
 - Image generated successfully!
 - Image generated successfully: outputs\20241204_172138_mapa_mental_Undefined_behavior.png
 - 10-second suspension initiated...
- Icons:** A red arrow icon, a green checkmark icon, a green checkmark icon, and an hourglass icon.

Mind maps generation

Wait until the progress bar shows 'Finished!' or the message 'Script finished!...' appears.

Then, you can find your mind maps in the 'outputs' folder.



The screenshot displays a Jupyter Notebook window titled 'mind_map_generator.ipynb'. The code cell shows the execution of a script that processes PDF files and generates mind maps. The terminal output indicates that several files were removed from the cloud and then uploaded to Google Drive. A progress bar at the bottom of the code cell shows 'Files: [progress bar] Finished!'. To the right of the progress bar, there is a green checkmark icon and a party popper icon. Below the progress bar, the terminal output continues with messages indicating that the mind maps were generated successfully for each file. The file explorer on the right side of the notebook shows the following files and folders: 'inputs', 'outputs', 'plantuml.jar', 'example_keys.env', 'LICENSE', 'mind_map_generator.ipynb', and 'README.md'. The 'outputs' folder is highlighted with a green box. At the bottom of the notebook, a message states: 'All files processed. Script finished! All files in the 'pdf' folder have been scanned to generate mind maps.'

```
mind_map_generator.ipynb M X
mind_map_generator.ipynb > User Interface and Workflow Setup >
+ Code + Markdown | Run All | Restart | Clear All Outputs | Variables | Outline
base (Python 3.10.14)

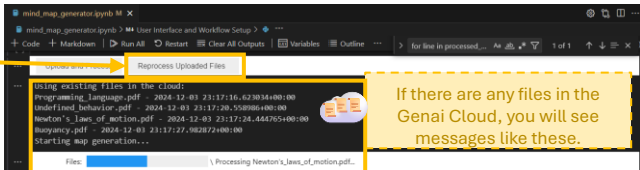
The file Newton's_laws_of_motion.pdf was removed from the cloud.
The file Undefined_behavior.pdf was removed from the cloud.
The file Programming_language.pdf was removed from the cloud.
uploaded file 'Programming_language.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/9z9i38obt3tc
uploaded file 'Undefined_behavior.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/6g0h77l44o4a
uploaded file 'Newton's_laws_of_motion.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/cvfly3mm83p4
uploaded file 'Buoyancy.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/hiilkoshygsi
Uploaded files:
Programming_language.pdf - 2024-12-04 20:21:01.751912+00:00
Undefined_behavior.pdf - 2024-12-04 20:21:05.694821+00:00
Newton's_laws_of_motion.pdf - 2024-12-04 20:21:09.634555+00:00
Buoyancy.pdf - 2024-12-04 20:21:13.653455+00:00
Starting map generation...

Files: [progress bar] Finished!

Conteúdo salvo com sucesso no arquivo 'outputs\9z9i38obt3tc.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172121_mapa_mental_Programming_language.pdf
10-second suspension initiated...
Conteúdo salvo com sucesso no arquivo 'outputs\6g0h77l44o4a.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172138_mapa_mental_Undefined_behavior.pdf
10-second suspension initiated...
Conteúdo salvo com sucesso no arquivo 'outputs\cvfly3mm83p4.txt'.
Conteúdo salvo com sucesso no arquivo 'outputs\cvfly3mm83p4.txt'.
Conteúdo salvo com sucesso no arquivo 'outputs\cvfly3mm83p4.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172243_mapa_mental_Newton's_laws_of_motion.pdf
10-second suspension initiated...
Conteúdo salvo com sucesso no arquivo 'outputs\hiilkoshygsi.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172300_mapa_mental_Buoyancy.pdf
All files processed.
Script finished! All files in the 'pdf' folder have been scanned to generate mind maps.
```

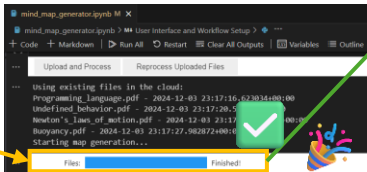
Mind maps generation

Suppose the
“Reprocess
Uploaded Files”
button is pressed...



If there are any files in the
Genai Cloud, you will see
messages like these.

Wait until the
progress bar shows
“Finished!”. Then,
you can see your
mind maps in the
“outputs” folder.



inputs

outputs

plantuml.jar

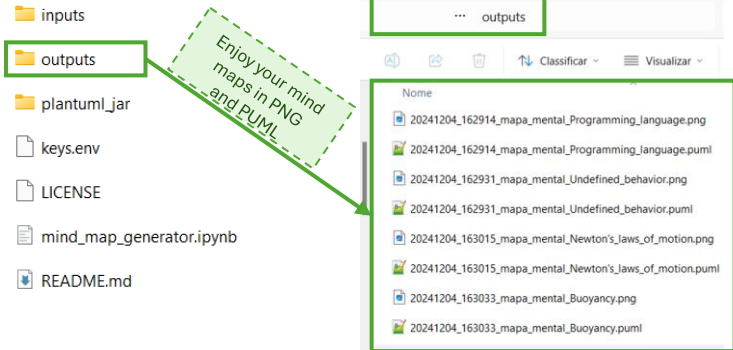
example_keys.env

LICENSE

mind_map_generator.ipynb

README.md

The 'outputs' folder



Manual adjustment

User Interface and Workflow Setup

If necessary, you can manually adjust your .puml mind map, save it, and press 'Generate Mind Map' within the "mind_map_generator.ipynb" for creating a .png of your adjusted mind map

```
1 @startmindmap
2 * Programming Languages
3 ** Definition
4 ***: A system of notation for
5 writing computer programs;
6 ****: Defined by syntax (form) and
7 semantics (meaning);
8 ****: Fea
9 variables
10 ** Types
11 ** Imperative
```

adjusting the .puml mind map

```
1 @startmindmap
2 * Programming Languages
3 ** Definition
4 ***: A system of notation for
5 writing computer programs;
6 ****: Defined by syntax (form) and
7 semantics (meaning);
8 ****: Features include type systems,
9 variables, error handling;
10 ** Types
11 *** Type 1
12 *** Type 2
13 ** Imperative
```

saving the adjusted .puml

selecting the adjusted .puml

PUML Files: 20250215_100542_mapa_menta

Generate Mind Map

20250215_100542_mapa_mental_Programming_language.puml

generating mind map

20250215_100542_mapa_mental_Programming_language.puml

20250215_100542_mapa_mental_Programming_language.txt

20250215_100542_mapa_mental_Programming_language.png

opening the .puml mind map