brave-search-python-client Documentation

Release 0.4.27

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12.255 urllib3 (2.3.0) - MIT License . . . 479
12.256 uv (0.5.13) - Apache Software License; MIT License . . . 479
12.257 uvicorn (0.34.0) - BSD License . . . 483
12.258 virtualenv (20.28.0) - MIT License . . . 484
12.259 watchdog (6.0.0) - Apache Software License . . . 484
12.260 watchfiles (1.0.3) - MIT License . . . 485
12.261 wcmatch (10.0) - MIT License . . . 485

12.262 wcwidth (0.2.13) - MIT License . . . 486
12.263 webcolors (24.11.1) - BSD License . . . 487
12.264 webencodings (0.5.1) - BSD License . . . 487
12.265 websocket-client (1.8.0) - Apache Software License . . . 488
12.266 websockets (14.1) - BSD License . . . 491
12.267 wheel (0.45.1) - MIT License . . . 492
12.268 widgetsnbextension (4.0.13) - BSD License . . . 493
12.269 wsproto (1.2.0) - MIT License . . . 493

Python Module Index **495**

Brave Search Python Client supporting Web, Image, News and Video search.

Use Cases:

1. Integrate into your Python code to help users find what they're looking for.
2. Add to your AI applications to give LLMs access to current web information.
3. Use the built-in CLI in shell scripts to get search results in JSON format.

Adding Brave Search Python Client to your project as a dependency is easy.

```
uv add brave-search-python-client            # add dependency to your project
```

If you don't have uv installed follow these instructions[1]. If you still prefer pip over the modern and fast package manager uv[2], you can install the library like this:

```
pip install brave-search-python-client       # add dependency to your project
```

Obtain your Brave Search API key by signing up here[3] - the free tier includes 2,000 requests per month. For guidance on how to integrate the Brave Search Python client into your code base check out the examples below and explore the reference documentation[4]. If you just want to try out the client without having to write code you can use the integrated CLI:

```
export BRAVE_SEARCH_API_KEY=YOUR_API_KEY         # replace YOUR_API_KEY
uvx brave-search-python-client web "hello world" # search for hello world
```

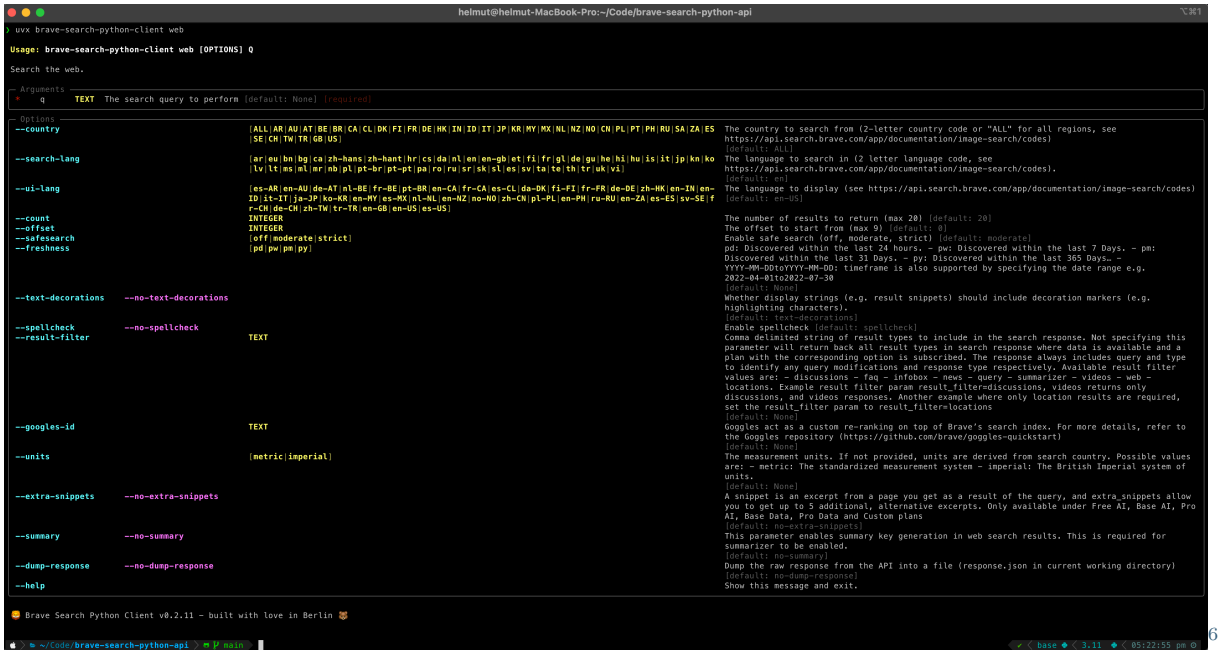
All advanced search options of Brave Search are supported by the client[5] and in the CLI:

```
# Find all German content about AI added in the last 24 hours
uvx brave-search-python-client web --country=DE --search-lang=de --units=metric --
↪freshness=pd ai
```

The CLI provides extensive help:

```
uvx brave-search-python-client --help            # all CLI commands
uvx brave-search-python-client web --help        # all options for web search
uvx brave-search-python-client images --help     # all options image search
uvx brave-search-python-client videos --help     # all options video search
uvx brave-search-python-client news --help       # all options news search
```

[1] https://docs.astral.sh/uv/getting-started/installation/
[2] https://github.com/astral-sh/uv
[3] https://brave.com/search/api/
[4] https://brave-search-python-client.readthedocs.io/en/latest/lib_reference.html
[5] https://brave-search-python-client.readthedocs.io/en/latest/lib_reference.html#brave_search_python_client.WebSearchRequest



[6]

[6] https://raw.githubusercontent.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/refs/heads/main/cli-german-ai.png

CHAPTER

ONE

OPERATIONAL EXCELLENCE

This project is designed with operational excellence in mind, using modern Python tooling and practices. It includes:

1. Various examples demonstrating usage: a. Simple Python script[7] b. Streamlit web application[8] deployed on Streamlit Community Cloud[9] c. Jupyter[10] and Marimo[11] notebook
2. Complete reference documentation[12] on Read the Docs
3. Transparent test coverage[13] including unit and E2E tests (reported on Codecov)
4. Matrix tested with multiple python versions[14] to ensure compatibility (powered by Nox[15])
5. Compliant with modern linting and formatting standards (powered by Ruff[16])
6. Up-to-date dependencies (monitored by Renovate[17] and Dependabot[18])
7. A-grade code quality[19] in security, maintainability, and reliability with low technical debt and codesmell (verified by SonarQube)
8. Additional code security checks using CodeQL[20]
9. Security Policy
10. License compliant with the Open Source Initiative (OSI)
11. 1-liner for installation and execution of command line interface (CLI) via uv(x)[21] or Docker[22]
12. Setup for developing inside a devcontainer[23] included (supports VSCode and GitHub Codespaces)

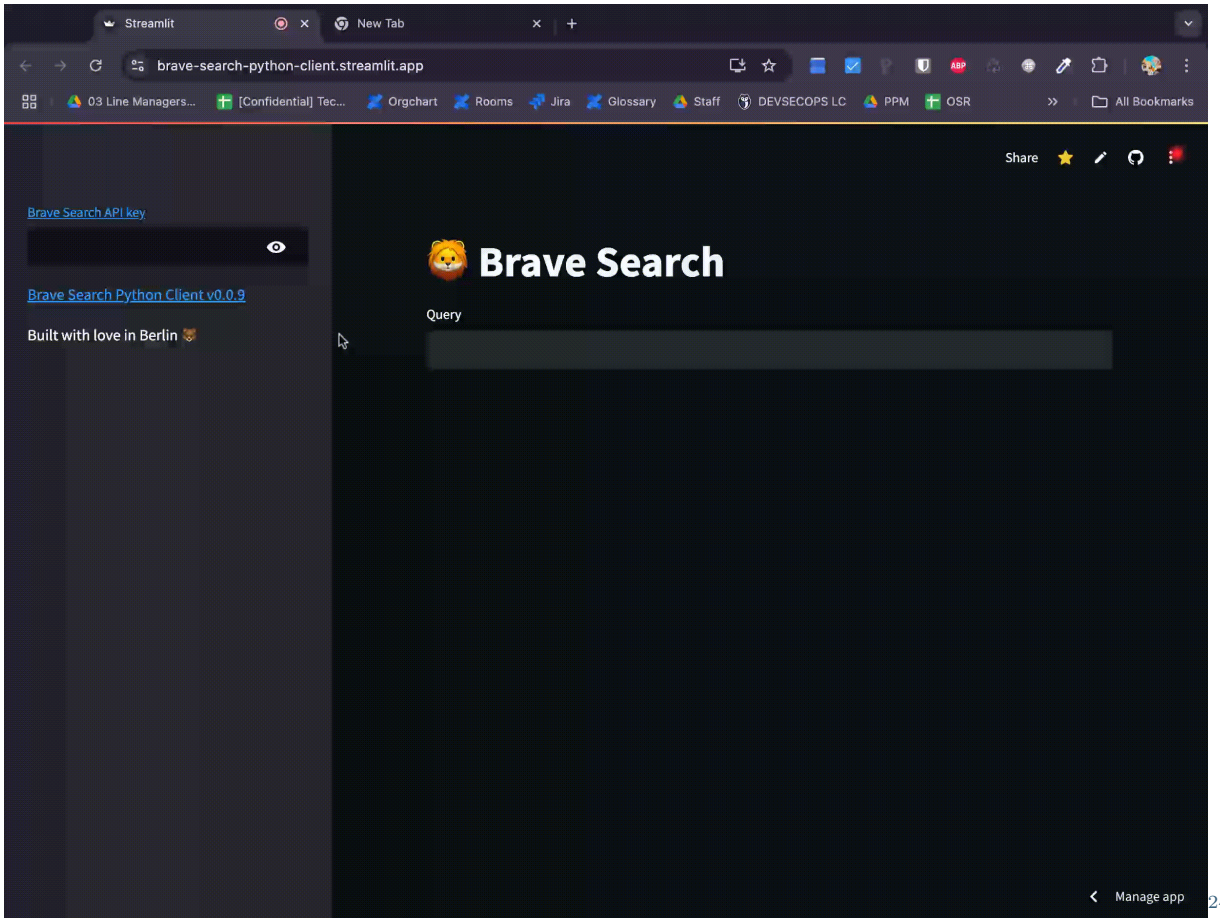
[7] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/examples/script.py
[8] https://brave-search-python-client.streamlit.app/
[9] https://streamlit.io/cloud
[10] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/examples/notebook.ipynb
[11] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/examples/notebook.py
[12] https://brave-search-python-client.readthedocs.io/en/latest/lib_reference.html
[13] https://app.codecov.io/gh/helmut-hoffer-von-ankershoffen/brave-search-python-client
[14] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/noxfile.py
[15] https://nox.thea.codes/en/stable/
[16] https://github.com/astral-sh/ruff
[17] https://github.com/renovatebot/renovate
[18] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/security/dependabot
[19] https://sonarcloud.io/summary/new_code?id=helmut-hoffer-von-ankershoffen_brave-search-python-client
[20] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/security/code-scanning
[21] https://github.com/astral-sh/uv
[22] https://hub.docker.com/r/helmuthva/brave-search-python-client/tags
[23] https://code.visualstudio.com/docs/devcontainers/containers

CHAPTER

TWO

USAGE EXAMPLES

2.1 Streamlit App



[24]

Try it out![25] - Show the code[26]

2.2 Minimal Python Script:

```
"""
Example script demonstrating the usage of the Brave Search Python Client.

For web, image, video and news search.
```

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[24] https://raw.githubusercontent.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/main/examples/streamlit.gif

[25] https://brave-search-python-client.streamlit.app

[26] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/examples/streamlit.py

(continued from previous page)

```
"""

import asyncio
import os

from dotenv import load_dotenv
from rich.console import Console

from brave_search_python_client import (
    BraveSearch,
    CountryCode,
    ImagesSearchRequest,
    LanguageCode,
    NewsSearchRequest,
    VideosSearchRequest,
    WebSearchRequest,
)

# Load .env file and get Brave Search API key from environment
load_dotenv()
api_key = os.getenv("BRAVE_SEARCH_API_KEY")
if not api_key:
    msg = "BRAVE_SEARCH_API_KEY not found in environment"
    raise ValueError(msg)


async def search() -> None:
    """Run various searches using the Brave Search Python Client (see https://brave-search-
↪python-client.readthedocs.io/en/latest/lib_reference.html)."""
    # Initialize the Brave Search Python client, using the API key from the environment
    bs = BraveSearch()

    # Perform a web search
    response = await bs.web(WebSearchRequest(q="jupyter"))

    # Print results as JSON

    # Iterate over web hits and render links in markdown
    for _result in response.web.results if response.web else []:
        pass

    # Advanced search with parameters
    response = await bs.web(
        WebSearchRequest(
            q="python programming",
            country=CountryCode.DE,
            search_lang=LanguageCode.DE,
        ),
    )
    for _result in response.web.results if response.web else []:
        pass

    # Search and render images
    response = await bs.images(ImagesSearchRequest(q="cute cats"))
    for _image in response.results or []:
        pass
```

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```
    # Search and render videos
    response = await bs.videos(VideosSearchRequest(q="singularity is close"))
    for _video in response.results or []:
        pass

    # Search and render news
    response = await bs.news(NewsSearchRequest(q="AI"))
    for _item in response.results or []:
        pass


# Run the async search function
# Alternatively use await search() from an async function
asyncio.run(search())
```

Show script code[27] -

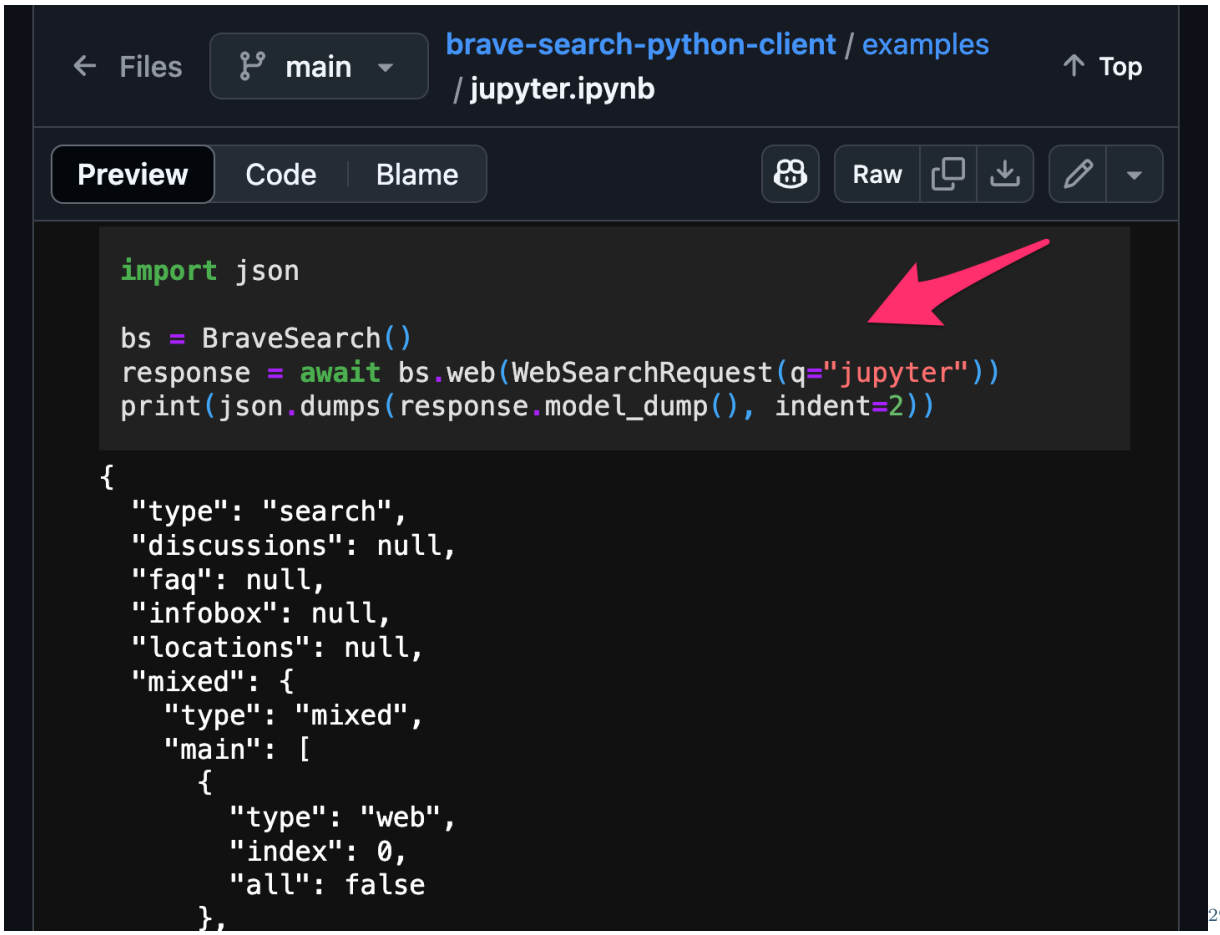
Read the library reference documentation[28] for an explanation of available classes and methods.

[27] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/examples/script.py
[28] https://brave-search-python-client.readthedocs.io/en/latest/lib_reference.html#brave_search_python_client.BraveSearch

CHAPTER

THREE

JUPYTER NOTEBOOK



[29]

Show notebook code[30]

[29] https://raw.githubusercontent.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/main/examples/notebook.png

[30] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/examples/notebook.ipynb

CHAPTER

FOUR

COMMAND LINE INTERFACE (CLI)

4.1 Run with uvx[31]

Add Brave Search API key to the environment

```
export BRAVE_SEARCH_API_KEY=YOUR_API_KEY
```

Show available commands:

```
uvx brave-search-python-client --help
```

Search the web for “hello world”:

```
uvx brave-search-python-client web "hello world"
```

Show options for web search

```
uvx brave-search-python-client web --help
```

Search images:

```
uvx brave-search-python-client images "hello world"
```

Show options for image search

```
uvx brave-search-python-client images --help
```

Search videos:

```
uvx brave-search-python-client videos "hello world"
```

Show options for videos search

```
uvx brave-search-python-client videos --help
```

Search news:

```
uvx brave-search-python-client news "hello world"
```

Show options for news search

```
uvx brave-search-python-client news --help
```

Read the CLI reference documentation[32] for an explanation of all commands and options.

[31] https://docs.astral.sh/uv/guides/tools/
[32] https://brave-search-python-client.readthedocs.io/en/latest/cli_reference.html

4.2 Run with Docker

Note: Replace YOUR_BRAVE_SEARCH_API_KEY with your API key in the following examples.

Show available commands:

```
docker run helmuthva/brave-search-python-client --help
```

Search the web:

```
docker run --env BRAVE_SEARCH_API_KEY=YOUR_BRAVE_SEARCH_API_KEY helmuthva/brave-search-python-
↪client web "hello world"
```

Show options for web search

```
docker run helmuthva/brave-search-python-client web --help
```

Search images:

```
docker run --env BRAVE_SEARCH_API_KEY=YOUR_BRAVE_SEARCH_API_KEY helmuthva/brave-search-python-
↪client images "hello world"
```

Show options for image search

```
docker run helmuthva/brave-search-python-client images --help
```

Search videos:

```
docker run --env BRAVE_SEARCH_API_KEY=YOUR_BRAVE_SEARCH_API_KEY helmuthva/brave-search-python-
↪client videos "hello world"
```

Show options for video search

```
docker run helmuthva/brave-search-python-client videos --help
```

Search news:

```
docker run --env BRAVE_SEARCH_API_KEY=YOUR_BRAVE_SEARCH_API_KEY helmuthva/brave-search-python-
↪client news "hello world"
```

Show options for news search

```
docker run helmuthva/brave-search-python-client news --help
```

Or use docker compose

File .env is passed through

```
docker compose up
docker compose run brave-search-python-client --help
```

CHAPTER

FIVE

CLI REFERENCE

Usage:

```
$ brave-search-python-client [OPTIONS] COMMAND [ARGS]...
```

Options:

- `--install-completion`: Install completion for the current shell.
- `--show-completion`: Show completion for the current shell, to copy it or customize the installation.
- `--help`: Show this message and exit.

🦁 Brave Search Python Client v0.4.26 - built with love in Berlin 🐻

Commands:

- `web`: Search the web.
- `images`: Search images.
- `videos`: Search videos.
- `news`: Search news.
- `Command Line Interface of Brave Search Python Client`

5.1 brave-search-python-client web

Search the web.

Usage:

```
$ brave-search-python-client web [OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL/AR/AU/AT/BE/BR/CA/CL/DK/FI/FR/DE/HK/IN/ID/IT/JP/KR/MY/MX/NL/NZ/NO/CN/PL/PT/PH/*
  The country to search from (2-letter country code or "ALL" for all regions, see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar/eu/bn/bg/ca/zh-hans/zh-hant/hr/cs/da/nl/en/en-gb/et/fi/fr/gl/de/gu/he/hi/hu/is/it/jp/kn/ko/lv/lt/ms/ml/mr/n*
  The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes). [default: en]
- *–ui-lang [es-AR/en-AU/de-AT/nl-BE/fr-BE/pt-BR/en-CA/fr-CA/es-CL/da-DK/fi-FI/fr-FR/de-DE/zh-HK/en-IN/en-ID*
  The language to display (see https://api.search.brave.com/app/documentation/image-search/codes) [default: en-US]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]

- *–offset INTEGER*: The offset to start from (max 9) [default: 0]
- *–safesearch [off|moderate|strict]*: Enable safe search (off, moderate, strict) [default: moderate]
- *–freshness [pd|pw|pm|py]*: pd: Discovered within the last 24 hours. - pw: Discovered within the last 7 Days. - pm: Discovered within the last 31 Days. - py: Discovered within the last 365 Days… - YYYY-MM-DDtoYYYY-MM-DD: timeframe is also supported by specifying the date range e.g. 2022-04-01to2022-07-30
- *–text-decorations / –no-text-decorations*: Whether display strings (e.g. result snippets) should include decoration markers (e.g. highlighting characters). [default: text-decorations]
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–result-filter TEXT*: Comma delimited string of result types to include in the search response. Not specifying this parameter will return back all result types in search response where data is available and a plan with the corresponding option is subscribed. The response always includes query and type to identify any query modifications and response type respectively. Available result filter values are: - discussions - faq - infobox - news - query - summarizer - videos - web - locations. Example result filter param result_filter=discussions, videos returns only discussions, and videos responses. Another example where only location results are required, set the result_filter param to result_filter=locations
- *–googles-id TEXT*: Goggles act as a custom re-ranking on top of Brave's search index. For more details, refer to the Goggles repository (https://github.com/brave/goggles-quickstart)
- *–units [metric|imperial]*: The measurement units. If not provided, units are derived from search country. Possible values are: - metric: The standardized measurement system - imperial: The British Imperial system of units.
- *–extra-snippets / –no-extra-snippets*: A snippet is an excerpt from a page you get as a result of the query, and extra_snippets allow you to get up to 5 additional, alternative excerpts. Only available under Free AI, Base AI, Pro AI, Base Data, Pro Data and Custom plans [default: no-extra-snippets]
- *–summary / –no-summary*: This parameter enables summary key generation in web search results. This is required for summarizer to be enabled. [default: no-summary]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.2 brave-search-python-client images

Search images.

Usage:

```
$ brave-search-python-client images [OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL|AR|AU|AT|BE|BR|CA|CL|DK|FI|FR|DE|HK|IN|ID|IT|JP|KR|MY|MX|NL|NZ|NO|CN|PL|PT|PH|*
  The country to search from (2-letter country code or "ALL" for all regions - see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar|eu|bn|bg|ca|zh-hans|zh-hant|hr|cs|da|nl|en|en-gb|et|fi|fr|gl|de|gu|he|hi|hu|is|it|jp|kn|ko|lv|lt|ms|ml|mr|n*
  The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes) [default: en]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]

- *–safesearch [off|strict]*: Enable safe search (off, strict) [default: strict]
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.3 brave-search-python-client videos

Search videos.

Usage:

```
$ brave-search-python-client videos [OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL|AR|AU|AT|BE|BR|CA|CL|DK|FI|FR|DE|HK|IN|ID|IT|JP|KR|MY|MX|NL|NZ|NO|CN|PL|PT|PH|*
  The country to search from (2-letter country code or "ALL" for all regions, see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar|eu|bn|bg|ca|zh-hans|zh-hant|hr|cs|da|nl|en|en-gb|et|fi|fr|gl|de|gu|he|hi|hu|is|it|jp|kn|ko|lv|lt|ms|ml|mr|n*
  The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes) [default: en]
- *–ui-lang [es-AR|en-AU|de-AT|nl-BE|fr-BE|pt-BR|en-CA|fr-CA|es-CL|da-DK|fi-FI|fr-FR|de-DE|zh-HK|en-IN|en-ID*
  The language to display (see https://api.search.brave.com/app/documentation/image-search/codes). [default: en-US]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]
- *–offset INTEGER*: The offset to start from (max 9) [default: 0]
- *–freshness [pd|pw|pm|py]*: pd: Discovered within the last 24 hours. - pw: Discovered within the last 7 Days. - pm: Discovered within the last 31 Days. - py: Discovered within the last 365 Days… - YYYY-MM-DDtoYYYY-MM-DD: timeframe is also supported by specifying the date range e.g. 2022-04-01to2022-07-30
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.4 brave-search-python-client news

Search news.

Usage:

```
$ brave-search-python-client news [OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL/AR/AU/AT/BE/BR/CA/CL/DK/FI/FR/DE/HK/IN/ID/IT/JP/KR/MY/MX/NL/NZ/NO/CN/PL/PT/PH/*
  The country to search from (2-letter country code or "ALL" for all regions, see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar/eu/bn/bg/ca/zh-hans/zh-hant/hr/cs/da/nl/en/en-gb/et/fi/fr/gl/de/gu/he/hi/hu/is/it/jp/kn/ko/lv/lt/ms/ml/mr/n*
  The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes) [default: en]
- *–ui-lang [es-AR/en-AU/de-AT/nl-BE/fr-BE/pt-BR/en-CA/fr-CA/es-CL/da-DK/fi-FI/fr-FR/de-DE/zh-HK/en-IN/en-ID*
  The language to display (see https://api.search.brave.com/app/documentation/image-search/codes) [default: en-US]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]
- *–offset INTEGER*: The offset to start from (max 9) [default: 0]
- *–safesearch [off/moderate/strict]*: Enable safe search (off, moderate, strict) [default: moderate]
- *–freshness [pd/pw/pm/py]*: pd: Discovered within the last 24 hours. - pw: Discovered within the last 7 Days. - pm: Discovered within the last 31 Days. - py: Discovered within the last 365 Days… - YYYY-MM-DDtoYYYY-MM-DD: timeframe is also supported by specifying the date range e.g. 2022-04-01to2022-07-30
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–extra-snippets / –no-extra-snippets*: A snippet is an excerpt from a page you get as a result of the query, and extra_snippets allow you to get up to 5 additional, alternative excerpts. Only available under Free AI, Base AI, Pro AI, Base Data, Pro Data and Custom plans [default: no-extra-snippets]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.5 brave-search-python-client Command Line Interface of Brave Search Python Client

Usage:

```
$ brave-search-python-client Command Line Interface of Brave Search Python Client [OPTIONS]␣
↪COMMAND [ARGS]...
```

Options:

- `--help`: Show this message and exit.

🦁 Brave Search Python Client v0.4.26 - built with love in Berlin 🐻

Commands:

- `web`: Search the web.
- `images`: Search images.
- `videos`: Search videos.
- `news`: Search news.

5.5.1 brave-search-python-client Command Line Interface of Brave Search Python Client web

Search the web.

Usage:

```
$ brave-search-python-client Command Line Interface of Brave Search Python Client web␣
↪[OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL|AR|AU|AT|BE|BR|CA|CL|DK|FI|FR|DE|HK|IN|ID|IT|JP|KR|MY|MX|NL|NZ|NO|CN|PL|PT|PH|*
The country to search from (2-letter country code or "ALL" for all regions, see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar|eu|bn|bg|ca|zh-hans|zh-hant|hr|cs|da|nl|en|en-gb|et|fi|fr|gl|de|gu|he|hi|hu|is|it|jp|kn|ko|lv|lt|ms|ml|mr|n*
The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes). [default: en]
- *–ui-lang [es-AR|en-AU|de-AT|nl-BE|fr-BE|pt-BR|en-CA|fr-CA|es-CL|da-DK|fi-FI|fr-FR|de-DE|zh-HK|en-IN|en-ID*
The language to display (see https://api.search.brave.com/app/documentation/image-search/codes) [default: en-US]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]
- *–offset INTEGER*: The offset to start from (max 9) [default: 0]
- *–safesearch [off|moderate|strict]*: Enable safe search (off, moderate, strict) [default: moderate]
- *–freshness [pd|pw|pm|py]*: pd: Discovered within the last 24 hours. - pw: Discovered within the last 7 Days. - pm: Discovered within the last 31 Days. - py: Discovered within the last 365 Days… - YYYY-MM-DDtoYYYY-MM-DD: timeframe is also supported by specifying the date range e.g. 2022-04-01to2022-07-30
- *–text-decorations / –no-text-decorations*: Whether display strings (e.g. result snippets) should include decoration markers (e.g. highlighting characters). [default: text-decorations]
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–result-filter TEXT*: Comma delimited string of result types to include in the search response. Not specifying this parameter will return back all result types in search response where data is available and a plan with the corresponding option is subscribed. The response always includes query and type to identify any query modifications and response type respectively. Available result filter values are: - discussions - faq - infobox - news - query - summarizer - videos - web - locations. Example result filter param result_filter=discussions, videos returns only discussions, and videos responses. Another example where only location results are required, set the result_filter param to result_filter=locations
- *–googles-id TEXT*: Goggles act as a custom re-ranking on top of Brave's search index. For more details, refer to the Goggles repository (https://github.com/brave/goggles-quickstart)
- *–units [metric|imperial]*: The measurement units. If not provided, units are derived from search country. Possible values are: - metric: The standardized measurement system - imperial: The British Imperial system of units.
- *–extra-snippets / –no-extra-snippets*: A snippet is an excerpt from a page you get as a result of the query, and extra_snippets allow you to get up to 5 additional, alternative excerpts. Only available under Free AI, Base AI, Pro AI, Base Data, Pro Data and Custom plans [default: no-extra-snippets]
- *–summary / –no-summary*: This parameter enables summary key generation in web search results. This is required for summarizer to be enabled. [default: no-summary]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.5.2 brave-search-python-client Command Line Interface of Brave Search Python Client images

Search images.

Usage:

```
$ brave-search-python-client Command Line Interface of Brave Search Python Client images␣
↪[OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL|AR|AU|AT|BE|BR|CA|CL|DK|FI|FR|DE|HK|IN|ID|IT|JP|KR|MY|MX|NL|NZ|NO|CN|PL|PT|PH|*
The country to search from (2-letter country code or "ALL" for all regions - see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar|eu|bn|bg|ca|zh-hans|zh-hant|hr|cs|da|nl|en|en-gb|et|fi|fr|gl|de|gu|he|hi|hu|is|it|jp|kn|ko|lv|lt|ms|ml|mr|n*
The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes) [default: en]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]
- *–safesearch [off|strict]*: Enable safe search (off, strict) [default: strict]
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.5.3 brave-search-python-client Command Line Interface of Brave Search Python Client videos

Search videos.

Usage:

```
$ brave-search-python-client Command Line Interface of Brave Search Python Client videos␣
↪[OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL|AR|AU|AT|BE|BR|CA|CL|DK|FI|FR|DE|HK|IN|ID|IT|JP|KR|MY|MX|NL|NZ|NO|CN|PL|PT|PH|*
The country to search from (2-letter country code or "ALL" for all regions, see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar|eu|bn|bg|ca|zh-hans|zh-hant|hr|cs|da|nl|en|en-gb|et|fi|fr|gl|de|gu|he|hi|hu|is|it|jp|kn|ko|lv|lt|ms|ml|mr|n*
The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes) [default: en]
- *–ui-lang [es-AR|en-AU|de-AT|nl-BE|fr-BE|pt-BR|en-CA|fr-CA|es-CL|da-DK|fi-FI|fr-FR|de-DE|zh-HK|en-IN|en-ID*
The language to display (see https://api.search.brave.com/app/documentation/image-search/codes). [default: en-US]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]
- *–offset INTEGER*: The offset to start from (max 9) [default: 0]

- *–freshness [pd|pw|pm|py]*: pd: Discovered within the last 24 hours. - pw: Discovered within the last 7 Days. - pm: Discovered within the last 31 Days. - py: Discovered within the last 365 Days… - YYYY-MM-DDtoYYYY-MM-DD: timeframe is also supported by specifying the date range e.g. 2022-04-01to2022-07-30
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

5.5.4 brave-search-python-client Command Line Interface of Brave Search Python Client news

Search news.

Usage:

```
$ brave-search-python-client Command Line Interface of Brave Search Python Client news␣
↪[OPTIONS] Q
```

Arguments:

- `Q`: The search query to perform [required]

Options:

- *–country [ALL|AR|AU|AT|BE|BR|CA|CL|DK|FI|FR|DE|HK|IN|ID|IT|JP|KR|MY|MX|NL|NZ|NO|CN|PL|PT|PH|*
The country to search from (2-letter country code or "ALL" for all regions, see https://api.search.brave.com/app/documentation/image-search/codes) [default: ALL]
- *–search-lang [ar|eu|bn|bg|ca|zh-hans|zh-hant|hr|cs|da|nl|en|en-gb|et|fi|fr|gl|de|gu|he|hi|hu|is|it|jp|kn|ko|lv|lt|ms|ml|mr|n*
The language to search in (2 letter language code, see https://api.search.brave.com/app/documentation/image-search/codes) [default: en]
- *–ui-lang [es-AR|en-AU|de-AT|nl-BE|fr-BE|pt-BR|en-CA|fr-CA|es-CL|da-DK|fi-FI|fr-FR|de-DE|zh-HK|en-IN|en-ID*
The language to display (see https://api.search.brave.com/app/documentation/image-search/codes) [default: en-US]
- *–count INTEGER*: The number of results to return (max 20) [default: 20]
- *–offset INTEGER*: The offset to start from (max 9) [default: 0]
- *–safesearch [off|moderate|strict]*: Enable safe search (off, moderate, strict) [default: moderate]
- *–freshness [pd|pw|pm|py]*: pd: Discovered within the last 24 hours. - pw: Discovered within the last 7 Days. - pm: Discovered within the last 31 Days. - py: Discovered within the last 365 Days… - YYYY-MM-DDtoYYYY-MM-DD: timeframe is also supported by specifying the date range e.g. 2022-04-01to2022-07-30
- *–spellcheck / –no-spellcheck*: Enable spellcheck [default: spellcheck]
- *–extra-snippets / –no-extra-snippets*: A snippet is an excerpt from a page you get as a result of the query, and extra_snippets allow you to get up to 5 additional, alternative excerpts. Only available under Free AI, Base AI, Pro AI, Base Data, Pro Data and Custom plans [default: no-extra-snippets]
- *–dump-response / –no-dump-response*: Dump the raw response from the API into a file (response.json in current working directory) [default: no-dump-response]
- `--help`: Show this message and exit.

CHAPTER

SIX

LIBRARY REFERENCE

Brave Search Python Client supporting Web, Image, News and Video search.

class brave_search_python_client.**BraveSearch**(*api_key: str | None = None*)

A python client for the Brave Search API.

Provides access to all search types (web, images, news and videos).

async images(*request:* ImagesSearchRequest *(page 23)*, *retries: int = 0*, *wait_time: int = 2*, *dump_response: bool = False*) → *ImageSearchApiResponse* (page 23)

Execute an image search query using the Brave Search API.

Parameters

- **request** (*ImagesSearchRequest* (page 23)) – Search request object with query parameters
- **retries** (int) – Number of retries to be attempted in case of failure
- **wait_time** (int) – Time to wait between retries
- **dump_response** (bool) – Whether to dump the original response

Returns

Top level response model for successful Image Search API requests

Return type

ImageSearchApiResponse (page 23)

Raises

BraveSearchAPIError (page 22) – If API request fails or returns an error

async static is_connected() → bool

Check if the Brave Search API is accessible. Important: This does not check if the API key is valid.

Returns

True if API is accessible, False otherwise.

Return type

bool

async news(*request:* NewsSearchRequest *(page 24)*, *retries: int = 0*, *wait_time: int = 2*, *dump_response: bool = False*) → *NewsSearchApiResponse* (page 24)

Execute a news search query using the Brave Search API.

Parameters

- **request** (*NewsSearchRequest* (page 24)) – Search request object with query parameters
- **retries** (int) – Number of retries to be attempted in case of failure
- **wait_time** (int) – Time to wait between retries

- **dump_response** (bool) – Whether to dump the original response

Returns
Top level response model for successful News Search API requests

Return type
NewsSearchApiResponse (page 24)

Raises
BraveSearchAPIError (page 22) – If API request fails or returns an error

async videos(*request: VideosSearchRequest (page 26), retries: int = 0, wait_time: int = 2, dump_response: bool = False*) → *VideoSearchApiResponse* (page 25)

Execute a video search query using the Brave Search API.

Parameters

- **request** (*VideosSearchRequest* (page 26)) – Search request object with query parameters
- **retries** (int) – Number of retries to be attempted in case of failure
- **wait_time** (int) – Time to wait between retries
- **dump_response** (bool) – Whether to dump the original response

Returns
Top level response model for successful Video Search API requests

Return type
VideoSearchApiResponse (page 25)

Raises
BraveSearchAPIError (page 22) – If API request fails or returns an error

async web(*request: WebSearchRequest (page 28), retries: int = 0, wait_time: int = 2, dump_response: bool = False*) → *WebSearchApiResponse* (page 27)

Execute a web search query using the Brave Search API.

For details see: https://api.search.brave.com/app/documentation/web-search/query

Parameters

- **request** (*WebSearchRequest* (page 28)) – Search request object with query parameters
- **retries** (int) – Number of retries to be attempted in case of failure
- **wait_time** (int) – Time to wait between retries
- **dump_response** (bool) – Whether to dump the original response

Returns
Top level response model for successful Web Search API requests

Return type
WebSearchApiResponse (page 27)

Raises
BraveSearchAPIError (page 22) – If API request fails or returns an error

exception brave_search_python_client.**BraveSearchAPIError**

Error when accessing Brave Search API.

exception brave_search_python_client.**BraveSearchClientError**

Error when when interacting with Brave Search Python Client.

exception brave_search_python_client.**BraveSearchError**

Error when accessing.

class brave_search_python_client.**CountryCode**(**values*)

Supported country codes for region-specific searches.

class brave_search_python_client.**FreshnessType**(**values*)

Time-based filtering options for search results.

pydantic model brave_search_python_client.**ImageSearchApiResponse**

Top level response model for successful Image Search API requests.

The API can also respond back with an error response based on invalid subscription keys and rate limit events.

Fields

- `query (brave_search_python_client.responses.image_search.Query)`
- `results (list[brave_search_python_client.responses.image_search.ImageResult])`
- `type (Literal['images'])`

field query: Query [Required]

Image search query string

field results: list[ImageResult] [Required]

The list of image results for the given query

field type: Literal['images'] [Required]

The type of search API result. The value is always images

class brave_search_python_client.**ImagesSafeSearchType**(**values*)

Image search content filtering levels.

pydantic model brave_search_python_client.**ImagesSearchRequest**

Defines the parameters useable in image search (see https://api.search.brave.com/app/documentation/image-search/query).

Fields

- `count (int | None)`
- `safesearch (brave_search_python_client.requests.ImagesSafeSearchType | None)`

Validators

field count: int | None = None

The number of search results returned in response. The maximum is 100. The actual number delivered may be less than requested. Combine this parameter with offset to paginate search results.

Constraints

- **gt** = 0
- **le** = 100

field safesearch: *ImagesSafeSearchType* (page 23) | None = None

The following values are supported: off: No filtering is done. strict: Drops all adult content from search results.

model_post_init(**args: object*, ***kwargs: object*) → None

Initialize default values for optional image search parameters.

class brave_search_python_client.**LanguageCode**(**values*)

Supported language codes for search results.

class brave_search_python_client.**MarketCode**(**values*)

RFC 9110 market codes for region and language combinations.

class brave_search_python_client.**NewsSafeSearchType**(**values*)

News search content filtering levels.

pydantic model brave_search_python_client.**NewsSearchApiResponse**

Top level response model for successful News Search API requests.

This model represents the complete structure of a successful API response, containing the query information and resulting news articles.

Note: The API can also respond back with an error response based on invalid subscription keys and rate limit events.

Fields

- query (brave_search_python_client.responses.news_search.Query)
- results (list[brave_search_python_client.responses.news_search.NewsResult])
- type (Literal['news'])

field query: Query [Required]

News search query string and related metadata

field results: list[NewsResult] [Required]

The list of news results for the given query

field type: Literal['news'] [Required]

The type of search API result. The value is always news

pydantic model brave_search_python_client.**NewsSearchRequest**

Defines the parameters useable in news search (see https://api.search.brave.com/app/documentation/news-search/query).

Fields

- count (int | None)
- extra_snippets (bool | None)
- freshness (str | None)
- offset (int | None)
- safesearch (brave_search_python_client.requests.NewsSafeSearchType | None)
- ui_lang (brave_search_python_client.requests.MarketCode | None)

Validators

- validate_freshness » freshness

field count: int | None = None

The number of search results returned in response. The maximum is 50. The actual number delivered may be less than requested. Combine this parameter with offset to paginate search results.

Constraints

- **gt** = 0
- **le** = 50

field extra_snippets: bool | None = None

A snippet is an excerpt from a page you get as a result of the query, and extra_snippets allow you to get up to 5 additional, alternative excerpts. Only available under Free AI, Base AI, Pro AI, Base Data, Pro Data and Custom plans.

field freshness: str | None = None

Filters search results by when they were discovered. Values: pd (24h), pw (7d), pm (31d), py (365d), or YYYY-MM-DDtoYYYY-MM-DD for custom range.

Validated by

- validate_freshness

field offset: int | None = None

In order to paginate results use this parameter together with count. For example, if your user interface displays 20 search results per page, set count to 20 and offset to 0 to show the first page of results. To get subsequent pages, increment offset by 1 (e.g. 0, 1, 2). The results may overlap across multiple pages.

Constraints

- **ge** = 0
- **le** = 9

field safesearch: *NewsSafeSearchType* (page 24) | None = None

Filters search results for adult content. The following values are supported: off - No filtering. moderate - Filter out explicit content. strict - Filter out explicit and suggestive content.

field ui_lang: *MarketCode* (page 23) | None = None

User interface language preferred in response. Usually of the format *<language_code>-<country_code>*.

validator validate_freshness » *freshness*

Validate freshness parameter format and values.

Parameters
v – The freshness value to validate.

Returns
The validated freshness value.

Return type
str | None

model_post_init(**args: object*, ***kwargs: object*) → None

Initialize default values for optional news search parameters.

class brave_search_python_client.**SearchType**(**values*)

Types of search requests.

class brave_search_python_client.**UnitsType**(**values*)

Measurement unit system options.

pydantic model brave_search_python_client.**VideoSearchApiResponse**

Top level response model for successful Video Search API requests.

Contains the query information and a list of video results.

Fields

- query (brave_search_python_client.responses.video_search.Query)
- results (list[brave_search_python_client.responses.video_search.VideoResult])
- type (Literal['videos'])

field query: Query [Required]

Video search query string and related information

field results: list[VideoResult] [Required]

The list of video results for the given query

field type: Literal['videos'] [Required]

The type of search API result. Always 'videos'

pydantic model brave_search_python_client.**VideosSearchRequest**

Defines the parameters useable in videos search (see https://api.search.brave.com/app/documentation/video-search/query).

Fields

- count (int | None)
- freshness (str | None)
- offset (int | None)
- ui_lang (str | None)

Validators

- validate_freshness » freshness

field count: int | None = None

The number of search results returned in response. The maximum is 50. The actual number delivered may be less than requested. Combine this parameter with offset to paginate search results.

Constraints

- **gt** = 0
- **le** = 50

field freshness: str | None = None

Filters search results by when they were discovered. Values: pd (24h), pw (7d), pm (31d), py (365d), or YYYY-MM-DDtoYYYY-MM-DD for custom range.

Validated by

- validate_freshness

field offset: int | None = None

In order to paginate results use this parameter together with count. For example, if your user interface displays 20 search results per page, set count to 20 and offset to 0 to show the first page of results. To get subsequent pages, increment offset by 1 (e.g. 0, 1, 2). The results may overlap across multiple pages.

Constraints

- **ge** = 0
- **le** = 9

field ui_lang: str | None = None

User interface language preferred in response. Usually of the format *<language_code>-<country_code>*.

validator validate_freshness » *freshness*

Validate freshness parameter format and values.

Parameters

v – The freshness value to validate.

Returns
The validated freshness value.

Return type
str | None

model_post_init(**args: object*, ***kwargs: object*) → None

Initialize default values for optional video search parameters.

class brave_search_python_client.**WebSafeSearchType**(**values*)

Web search content filtering levels.

pydantic model brave_search_python_client.**WebSearchApiResponse**

Top level response model for successful Web Search API requests.

Fields

- discussions (brave_search_python_client.responses.web_search.Discussions | None)
- faq (brave_search_python_client.responses.web_search.FAQ | None)
- infobox (brave_search_python_client.responses.web_search.GraphInfobox | None)
- locations (brave_search_python_client.responses.web_search.Locations | None)
- mixed (brave_search_python_client.responses.web_search.MixedResponse | None)
- news (brave_search_python_client.responses.web_search.News | None)
- query (brave_search_python_client.responses.web_search.Query | None)
- summarizer (brave_search_python_client.responses.web_search.Summarizer | None)
- type (Literal['search'])
- videos (brave_search_python_client.responses.web_search.Videos | None)
- web (brave_search_python_client.responses.web_search.Search | None)

field discussions: Discussions | None = None

Discussions clusters from forum posts

field faq: FAQ | None = None

Frequently asked questions relevant to the query

field infobox: GraphInfobox | None = None

Aggregated information on an entity as infobox

field locations: Locations | None = None

Places of interest relevant to location queries

field mixed: MixedResponse | None = None

Preferred ranked order of search results

field news: News | None = None

News results relevant to the query

field query: Query | None = None

Search query string and its modifications

field summarizer: Summarizer | None = None

Summary key to get summary results

field type: Literal['search'] [Required]

The type of web search API result

field videos: Videos | None = None

Videos relevant to the query

field web: Search | None = None

Web search results relevant to the query

pydantic model brave_search_python_client.**WebSearchRequest**

Defines the parameters useable in web search (https://api.search.brave.com/app/documentation/web-search/query).

Fields

- count (int | None)
- extra_snippets (bool | None)
- freshness (str | None)
- goggles_id (str | None)
- offset (int | None)
- result_filter (str | None)
- safesearch (brave_search_python_client.requests.WebSafeSearchType | None)
- summary (bool | None)
- text_decorations (bool | None)
- ui_lang (brave_search_python_client.requests.MarketCode | None)
- units (brave_search_python_client.requests.UnitsType | None)

Validators

- validate_freshness » freshness
- validate_result_filter » result_filter

field count: int | None = None

The number of search results returned in response. The maximum is 20. The actual number delivered may be less than requested. Combine this parameter with offset to paginate search results.

Constraints

- **gt** = 0
- **le** = 20

field extra_snippets: bool | None = None

A snippet is an excerpt from a page you get as a result of the query, and extra_snippets allow you to get up to 5 additional, alternative excerpts. Only available under Free AI, Base AI, Pro AI, Base Data, Pro Data and Custom plans.

field freshness: str | None = None

Filters search results by when they were discovered. Values: pd (24h), pw (7d), pm (31d), py (365d), or YYYY-MM-DDtoYYYY-MM-DD for custom range.

Validated by

- validate_freshness

field goggles_id: str | None = None

Goggles act as a custom re-ranking on top of Brave's search index. For more details, refer to the Goggles repository (https://github.com/brave/goggles-quickstart).

field offset: int | None = None

In order to paginate results use this parameter together with count. For example, if your user interface displays 20 search results per page, set count to 20 and offset to 0 to show the first page of results. To get subsequent pages, increment offset by 1 (e.g. 0, 1, 2). The results may overlap across multiple pages.

Constraints

- **ge** = 0
- **le** = 9

field result_filter: str | None = None

A comma delimited string of result types to include in the search response. Available values are: discussions, faq, infobox, news, query, summarizer, videos, web, locations.

Validated by

- `validate_result_filter`

field safesearch: *WebSafeSearchType* (page 27) | None = None

Filters search results for adult content. The following values are supported: off: No filtering is done. moderate: Filters explicit content, like images and videos, but allows adult domains in the search results. strict: Drops all adult content from search results.

field summary: bool | None = None

This parameter enables summary key generation in web search results. This is required for summarizer to be enabled.

field text_decorations: bool | None = None

Whether display strings (e.g. result snippets) should include decoration markers (e.g. highlighting characters).

field ui_lang: *MarketCode* (page 23) | None = None

User interface language preferred in response.

Constraints

- **min_length** = 5
- **max_length** = 5

field units: *UnitsType* (page 25) | None = None

The measurement units. If not provided, units are derived from search country. Possible values are: - metric: The standardized measurement system - imperial: The British Imperial system of units.

validator validate_freshness » *freshness*

Validate freshness parameter format and values.

Parameters
v – The freshness value to validate.

Returns
The validated freshness value.

Return type
str | None

validator validate_result_filter » *result_filter*

Validate that result filter contains only valid WebResultType values.

Parameters
v – The result filter string to validate.

Returns
The validated result filter.

Return type
str | None

model_post_init(**args: object*, ***kwargs: object*) → None

Initialize default values for optional web search parameters.

CHAPTER

SEVEN

CONTRIBUTING

Thank you for considering contributing to Brave Search Python Client!

7.1 Setup

Create a fork[33] and clone your fork using `git clone URL_OF_YOUR_CLONE`. Then change into the directory of your local Brave Search Python Client repository with `cd brave-search-python-client`.

If you are one of the committers of https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client you can directly clone via `git clone git@github.com:helmut-hoffer-von-ankershoffen/brave-search-python-client.git` and `cd brave-search-python-client`.

Install or update development dependencies using

```
make install
```

7.2 Directory Layout

```
├── Makefile               # Central entrypoint for build, test, release and deploy
├── noxfile.py             # Noxfile for running tests in multiple python environments and␣
↪other tasks
├── .pre-commit-config.yaml # Definition of hooks run on commits
├── .github/               # GitHub specific files
│   ├── workflows/         # GitHub Actions workflows
│   ├── prompts/           # Custom prompots for GitHub Copilot
│   └── copilot-instructions.md # Insructions for GitHub Copilot
├── .vscode/               # Recommended VSCode settings and extensions
├── .env                   # Environment variables, on .gitignore
├── .env.example           # Example environment variables
src/brave_search_python_client/  # Source code
├── __init__.py          # Package initialization
├── constants.py         # Constants used throughout the app
├── settings.py          # Settings loaded from environment and .env
├── models.py            # Models and data structures
├── service.py           # Service exposed for use as shared library
└── cli.py               # CLI enabling to interact with service from terminal
tests/brave_search_python_client/ # Tests
├── **/cli_tests.py      # Verifies the core and module specific CLI commands
└── fixtures/            # Fixtures and mock data
docs/                    # Documentation
├── partials/*.md        # Partials to compile README.md,  _main partial included in HTML and␣
↪PDF documentation
```

(continues on next page)

[33] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/fork

(continued from previous page)

```
├── ../README.md          # Compiled README.md shown on GitHub
├── source/*.rst          # reStructuredText files used to generate HTML and PDF documentation
├── ../*.md               # Markdown files shown on GitHub and imported by .rst files
├── source/conf.py        # Sphinx configuration used to generate HTML and PDF documentation
├── build/html/*          # Generated HTML documentation as multiple pages
├── build/singlehtml/index.html # HTML documentation as a single page
└── build/latex/brave-search-python-client.pdf # PDF manual - generate with make docs pdf
examples/                 # Example code demonstrating use of the project
├── streamlit.py          # Streamlit App, deployed in Streamlit Community Cloud
├── notebook.py           # Marimo notebook
├── notebook.ipynb        # Jupyter notebook
└── script.py             # Minimal script
reports/                  # Compliance reports for auditing
├── junit.xml             # Report of test executions run with pytest
├── mypy_junit.xml        # Report of static typing validation run with mypy
├── coverage.xml          # Test coverage in XML format generated by pytest-cov
├── coverage_html         # Report of test coverage in HTML format
├── licenses.csv          # List of dependencies and their license types
├── licenses.json         # .json file with dependencies their license types
├── licenses_grouped.json  # .json file with dependencies grouped by license type
├── vulnerabilities.json # .json file with vulnerabilities detected in dependencies by pip-
↪audit
└── sbom.json             # Software Bill of Materials in OWASP CycloneDX format
```

7.3 Build, Run and Release

7.3.1 Setup project specific development environment

```
make setup
```

Don't forget to configure your `.env` file with the required environment variables.

Notes:

1. .env.example is provided as a template, use `cp .env.example .env` and edit `.env` to create your environment.
2. .env is excluded from version control, so feel free to add secret values.

7.3.2 Build

```
make        # Runs primary build steps, i.e. formatting, linting, testing, building HTML docs␣
↪and distribution, auditing
make help   # Shows help with additional build targets, e.g. to build PDF documentation, bump␣
↪the version to release etc.
```

Notes:

1. Primary build steps defined in `noxfile.py`.
2. Distribution dumped into `dist/`
3. Documentation dumped into `docs/build/html/` and `docs/build/latex/`
4. Audit reports dumped into `reports/`

7.3.3 Run the CLI

```
uv run brave-search-python-client # shows help
```

7.3.4 Commit and Push your changes

```
git add .
git commit -m "feat(user): added new api endpoint to offboard user"
git push
```

Notes:

1. pre-commit hooks[34] will run automatically on commit to ensure code quality.
2. We use the conventional commits format - see the code style guide for the mandatory commit message format.

7.3.5 Publish Release

```
make bump   # Patch release
make minor  # Patch release
make major  # Patch release
make x.y.z  # Targeted release
```

Notes:

1. Changelog generated automatically
2. Publishes to PyPi, Docker Registries, Read The Docs, Streamlit and Auditing services

7.4 Advanced usage

7.4.1 Example: Streamlit Example App

```
uv sync --all-extras # required streamlit dependency part of the examples extra, see␣
↪pyproject.toml
streamlit run examples/streamlit.py
```

7.4.2 Example: Jupyter Notebook

```
uv sync --all-extras # required streamlit dependency part of the examples extra, see␣
↪pyproject.toml
```

Install the Jupyter extension for VSCode[35]

Click on `examples/notebook.ipynb` in VSCode and run it

7.4.3 Running GitHub CI Workflow locally

```
make act
```

Notes:

1. Workflow defined in `.github/workflows/*.yml`
2. ci-cd.yml calls all build steps defined in noxfile.py

[34] https://pre-commit.com/
[35] https://marketplace.visualstudio.com/items?itemName=ms-toolsai.jupyter

7.4.4 Docker

Build and run the Docker image with plain Docker

```
# Build from Dockerimage
make docker_build # builds targets all and slim

# Run the CLI
docker run --env THE_VAR=THE_VALUE -t brave-search-python-client --target all --help    #␣
↪target with all extras
docker run --env THE_VAR=THE_VALUE -t brave-search-python-client --target slim --help   #␣
↪slim flavor, no extras
```

Build and run the Docker image with docker compose:

```
echo "Building the Docker image with docker compose and running CLI..."
docker compose run --build brave-search-python-client --help
echo "Building the Docker image with docker compose and running API container as a daemon ..."
docker compose up --build -d
echo "Waiting for the notebook server to start..."
echo "Shutting down the notebook container ..."
docker compose down
```

7.4.5 Pinning GitHub Actions

```
pinact run  # See https://dev.to/suzukishunsuke/pin-github-actions-to-a-full-length-commit-
↪sha-for-security-2n7p
```

7.5 Update from Template

Update project to latest version of oe-python-template[36] template.

```
make update_from_template
```

7.6 Pull Request Guidelines

1. Before starting to write code read the code style document for mandatory coding style requirements.
2. **Pre-Commit Hooks:** We use pre-commit hooks to ensure code quality. Please install the pre-commit hooks by running `uv run pre-commit install`. This ensure all tests, linting etc. pass locally before you can commit.
3. **Squash Commits:** Before submitting a pull request, please squash your commits into a single commit.
4. **Signed Commits:** Use signed commits[37].
5. **Branch Naming:** Use descriptive branch names like `feature/your-feature` or `fix/issue-number`.
6. **Testing:** Ensure new features have appropriate test coverage.
7. **Documentation:** Update documentation to reflect any changes or new features.

[36] https://github.com/helmut-hoffer-von-ankershoffen/oe-python-template
[37] https://docs.github.com/en/authentication/managing-commit-signature-verification/signing-commits

CHAPTER

EIGHT

CODE STYLE

Author: Helmut Hoffer von Ankershoffen (@helmut-hoffer-von-ankershoffen) - Status: Draft - Created: 2025-03-16 - Updated: 2025-03-16

This document describes the code style used in oe-python-template[38] and derivatives. It defines strict requirements to be followed by all contributors - humans and agents - to ensure consistency and readability across the codebase.

8.1 Code

We favor readability and maintainability over cleverness and brevity.

1. We always write code that is easy to read, understand, maintain, test, document, deploy, use, integrate, and extend.
2. We always write code that is efficient and performant, but only if it does not sacrifice readability, maintainability, and testability.
3. We always write code that is secure and does not introduce vulnerabilities.
4. We always write code that is portable and does not introduce platform-specific dependencies.
5. We always write code that is compatible with the Python version indicated in the .python-version file in the root of this repository.

8.2 Naming

We believe that good names are essential for code readability and maintainability. A good name is one that is descriptive, unambiguous, and meaningful. It should convey the purpose and intent of the code it represents.

1. We take extra care to find proper names for all identifiers, including variables, functions, classes, types, tests, modules, and packages. We prefer descriptive names that clearly indicate the purpose and functionality of the code.
2. We avoid using abbreviations, acronyms, and jargon unless they are widely understood and accepted in the context of the code. We prefer full words and phrases that are easy to understand.
3. We avoid using single-letter names, except for loop variables and iterators.
4. We avoid using generic names like `data`, `info`, `temp`, `foo`, `bar`, etc. These names do not convey any meaning and make the code harder to read and understand.
5. We avoid using names that are too long or too short. A good name should be concise but descriptive. It should be long enough to convey the purpose and intent of the code, but not so long that it becomes cumbersome to read and write.

[38] https://github.com/helmut-hoffer-von-ankershoffen/oe-python-template

6. We avoid using names that are too similar or too different. A good name should be unique and distinct. It should not be confused with other names in the code. It should not be so different that it becomes hard to remember and recognize.

8.3 Formatting

We use ruff[39] to format Python code

1. The ruff formatter adheres to the Black[40] code style which is PEP 8[41] compliant.
2. The ruff formatter is configured to use a max line length of 120.
3. The ruff formatter is called by the lint session of nox.

Beyond PEP 8 we adhere to the following naming conventions: We use the following conventions for Python code:

1. Class names: `PascalCase` - descriptive nouns that clearly indicate purpose.
2. Function/method names: `snake_case` - verb phrases that describe actions.
3. Variables/attributes: `snake_case` - descriptive nouns/noun phrases.
4. Constants: `UPPER_SNAKE_CASE`.
5. Private members: Prefix with single underscore `_private_attribute`.
6. "True" private members: Prefix with double underscore `__truly_private`.
7. Type variables: `CamelCase` with short, descriptive names (e.g., `T`, `KT`, `VT`).
8. Boolean variables/functions: Prefix with `is_`, `has_`, `should_`, etc.
9. Interface classes: Suffix with `Interface` or `Protocol`.

8.4 Linting and type checking

We use ruff[42] to lint Python code

1. All linting rules are enabled except those explicitly disabled in pyproject.toml
2. The ruff linter is called by the lint session of nox.

We use mypy[43] for static type checking of Python code.

1. mypy is configured to use the `strict` mode in pyproject.toml
2. mypy is called by the lint session of nox.

8.5 Documentation

We use docstrings to document the purpose of modules, classes, types, functions, its parameters and returns

1. We use Google style docstrings with typed Args and Returns.
2. We comment complex code and algorithms to explain their purpose and functionality.
3. We leave references with deep links in code to external documentation, standards, and specifications.

[39] https://github.com/astral-sh/ruff
[40] https://black.readthedocs.io/en/stable/the_black_code_style/current_style.html
[41] https://www.python.org/dev/peps/pep-0008/
[42] https://github.com/astral-sh/ruff
[43] https://mypy.readthedocs.io/

We provide an auto-generated OpenAPI specification and reference documentation.

We generate the final documentation using Sphinx and publish it to readthedocs.

1. Generation of documentation is called by the docs session of nox

8.6 Testing

We use pytest[44] for testing Python code.

1. Tests are defined in the `tests/` directory
2. We use pytest fixtures to set up test data and state
3. We leverage several pytest plugins:
4. `pytest-asyncio` for testing async code
5. `pytest-cov` for coverage reporting
6. `pytest-docker` for integration tests with containers
7. `pytest-env` for environment variable management
8. `pytest-regressions` for regression testing
9. `pytest-xdist` for parallel test execution
10. Test execution is automated through the nox test session which runs across the Python versions indicated in the `pyproject.toml`.

Our test coverage is measured using `pytest-cov` and reported in the CI pipeline.

1. We aim for 100% unit coverage on all code paths, including error handling and edge cases.
2. We fail the CI if unit test coverage drops below 85%.

Apart from unit tests we provide integration tests and end-to-end tests:

1. We smoke test as part of the CI/CD pipeline.
2. We facilitate exploratory testing to ensure comprehensive coverage.
3. We use `pytest-docker` for integration tests with containers.

8.7 Error Handling

We use structured, explicit error handling that enables effective debugging and monitoring:

1. Use specific exception classes instead of generic ones.
2. Include contextual information in exception messages.
3. Log exceptions with appropriate severity levels and context.
4. Gracefully degrade functionality when possible rather than failing completely.
5. Use type hints to catch type errors at compile time rather than runtime.
6. Design errors to be actionable for both users and developers.

8.8 Logging

We log information to help with debugging and monitoring:

1. Use structured logging with consistent fields across all log entries.
2. Include correlation IDs for tracking requests across components.

[44] https://docs.pytest.org/en/stable/

3. Log at appropriate levels (DEBUG, INFO, WARNING, ERROR, CRITICAL).
4. Be mindful of PII and sensitive data in logs, using obfuscation where needed.
5. Consider log volume and performance impact in production environments.

8.9 Performance Considerations

We consider performance from the early design stage, not as an afterthought:

1. Consider algorithmic complexity (Big O notation) for all operations.
2. Prefer lazy evaluation when dealing with large datasets.
3. Use appropriate data structures for specific access patterns.
4. Be mindful of memory usage, especially for long-running processes.
5. Consider profiling for critical paths and potential bottlenecks.
6. Document performance characteristics and assumptions.
7. Write benchmarks for performance-critical code.
8. Design for horizontal scaling from the beginning.
9. Use asynchronous operations appropriately for I/O-bound tasks.
10. Consider caching strategies when appropriate.

8.10 API Design

For both internal and external APIs we follow the principle of least surprise.

1. We maintain backward compatibility whenever possible. If not possible we add a new major version of the API.
2. Implement proper versioning for breaking changes.
3. Document error conditions, return values, and side effects.
4. Design for testability and mockability.
5. Provide sensible defaults while allowing for configuration.
6. Follow RESTful principles for HTTP APIs.
7. Use consistent parameter ordering and naming.
8. Implement proper validation with helpful error messages.
9. Consider rate limiting and circuit breaking for external services.

8.11 Security

We prioritize security at every stage of development to prevent vulnerabilities and protect our users.

1. Follow the principle of least privilege for all operations and access controls.
2. Never store secrets (API keys, passwords, tokens) in code repositories.
3. Use environment variables or dedicated secret management services.
4. Code is checked via `detect-secrets` pre-commit hook to prevent accidental commits of secrets.

We implement proper input validation and sanitization for all external inputs via pydantic[45]:

1. Validate inputs as early as possible in the data flow.

[45] https://pydantic-docs.helpmanual.io/

We handle authentication and authorization correctly:

1. Use industry-standard authentication protocols (OAuth, JWT).
2. Separate authentication from authorization logic.
3. Implement proper session management with secure cookies.
4. Protect against common vulnerabilities:
5. SQL Injection: Use parameterized queries or ORM frameworks.
6. XSS: Apply proper output encoding.
7. CSRF: Implement anti-CSRF tokens for state-changing operations.
8. SSRF: Validate and restrict URL destinations.
9. Command Injection: Avoid direct system command execution where possible.
10. Implement proper error handling that doesn't leak sensitive information.
11. Use secure defaults and fail closed (secure) rather than open (insecure).

We apply the principle of defense in depth:

1. Don't rely on a single security control.
2. Implement multiple layers of protection.
3. Document security considerations in code and design documents.
4. Write security-focused tests:
5. Test for security property violations.
6. Test error cases and edge conditions.
7. Test for resource exhaustion scenarios.
8. Apply proper rate limiting and throttling to prevent abuse.
9. For cryptographic operations:
10. Use established libraries, not custom implementations.
11. Follow current best practices for algorithm selection and key management.
12. Be aware of the limitations of cryptographic primitives.
13. Regularly run security-focused static analysis tools as part of CI/CD:
14. CodeQL analysis (via GitHub Actions)
15. SonarCloud checks for security vulnerabilities

Our security posture is defined in SECURITY.md.

8.12 Dependency Management

We use modern dependency management practices:

1. uv[46] for fast, reliable package installation and environment management
2. Dependency version locking via uv.lock file
3. Regular dependency auditing:
4. Security auditing via `pip-audit`
5. License compliance checks via `pip-licenses`
6. SBOM generation via `cyclonedx-py`

[46] https://github.com/astral-sh/uv

Dependency updates are automated via Dependabot and Renovate to ensure we stay current with security patches.

8.13 Versioning

We use semantic versioning[47] for versioning our releases:

1. MAJOR: Breaking changes
2. MINOR: New features, non-breaking changes
3. PATCH: Bug fixes, non-breaking changes

Our API versioning follows the same principles, with major versions indicated in the URL (e.g., /api/v1/resource) and the full version provided as part of the OpenAPI pecification.

8.14 Conventional Commits

Our commit messages follow conventional commits[48] definition.

1. We use `feat`, `fix`, `chore`, `docs`, `style`, `perf`, `refactor`, `test` prefixes and components in parentheses. E.g. `feat(api): add new endpoint for user registration`.

8.15 Guidance for AI Pair Programming

When generating code with AI assistance:

1. AI-generated code must follow all style guidelines in this document.
2. Always review AI-generated code for correctness, security implications, and adherence to project patterns.
3. Use AI to generate tests alongside implementation code.
4. Request explanations for complex algorithms or patterns in the generated code.
5. Remember that AI should augment, not replace, human judgment about code quality and design decisions.

[47] https://semver.org/
[48] https://www.conventionalcommits.org/en/v1.0.0/

CHAPTER

NINE

RELEASE NOTES

🧠 Brave Search Python Client[49]

9.1 0.4.25[50] - 2025-04-27

9.1.1 ⚙ Miscellaneous Tasks

- Smoketest - (69243b4[51])

9.2 0.4.24[52] - 2025-04-25

9.2.1 🚜 Refactor

- Polish - (a7f8b6e[53])

9.2.2 ⚙ Miscellaneous Tasks

- Set notebook dep - (9c8e536[54])

9.3 0.4.23[55] - 2025-04-24

9.3.1 Security

- *(deps)* Update from template - (36af767[56])

9.4 0.4.22[57] - 2025-04-24

9.4.1 🚜 Refactor

- *(utils)* Don't need notebook - (8a063bb[58])

[49] https://brave-search-python-client.readthedocs.io/en/latest/
[50] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.24..v0.4.25
[51] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/69243b4f34d041ee02683cc3cc6090fc4ae685eb
[52] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.23..v0.4.24
[53] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/a7f8b6e2d3ccf161ee21ec369f89073236da62f4
[54] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/9c8e536f0cd3ce78b78cd62f8852997945d77692
[55] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.22..v0.4.23
[56] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/36af76762d55b59f5362588f68ef0935f23070ae
[57] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.21..v0.4.22
[58] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/8a063bbbea2d7cb6d32645f976f51663129a29c8

9.4.2 🎨 Styling

- Examples - (288f39f[59])

9.4.3 🧪 Testing

- Adapt - (740dada[60])

9.4.4 ⚙ Miscellaneous Tasks

- Env adapt - (c92e067[61])

9.5 0.4.21[62] - 2025-04-08

9.5.1 ⚙ Miscellaneous Tasks

- *(test-scheduled)* Env - (14324d8[63])

9.6 0.4.20[64] - 2025-04-08

9.6.1 ⚙ Miscellaneous Tasks

- *(tests)* Move - (0f52de1[65])

9.7 0.4.17[66] - 2025-04-07

9.7.1 📚 Documentation

- No-api - (b344692[67])

9.8 0.4.15[68] - 2025-04-07

9.8.1 ⚙ Miscellaneous Tasks

- *(smoke)* Revert - (d0aa3cc[69])

[59] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/288f39fab325585d84bf31c6257549ea5270bd2a
[60] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/740dada26b295f39ff1c3c41d7a97de8db0a0e57
[61] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c92e067606028896ad532d366a21a325020bbf31
[62] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.20..v0.4.21
[63] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/14324d8b1571418baf69b294466e33b96c2cd036
[64] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.19..v0.4.20
[65] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/0f52de195613471c4d7d3a7ec942149a20619dff
[66] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.16..v0.4.17
[67] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/b344692f55bd9dddcc1085757858757fbf314886
[68] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.14..v0.4.15
[69] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/d0aa3ccd1110eb09730960a5db7e3036675d0d6a

9.9 0.4.13[70] - 2025-04-07

9.9.1 📚 Documentation

- Polish - (8876132[71])

9.10 0.4.11[72] - 2025-04-04

9.10.1 📚 Documentation

- Restablish - (6451d77[73])

9.11 0.4.10[74] - 2025-04-04

9.11.1 📚 Documentation

- Reestablish - (25f66cd[75])

9.11.2 ⚙ Miscellaneous Tasks

- Uv.lock - (891ac05[76])
- Docs - (0445a6c[77])

9.12 0.4.7[78] - 2025-03-25

9.12.1 🐛 Bug Fixes

- *(deps)* Readd tenacity - (2b4eb8a[79])

9.13 0.4.5[80] - 2025-03-25

9.13.1 🐛 Bug Fixes

- *(web.video)* Typing of views - (420f3bf[81])

[70] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.12..v0.4.13
[71] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/8876132261c47d69b233f4a28062e3e0b0a1aa9e
[72] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.10..v0.4.11
[73] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/6451d77556fcdf60184b6a8bbc639e744774f2a6
[74] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.9..v0.4.10
[75] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/25f66cd50abf71793f6ec7218d47f21bdf1e9b81
[76] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/891ac05fb497ab69461c477ae5b355a2aae99fdf
[77] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/0445a6c426e542c448026daeb36b65b7c5f7e31e
[78] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.6..v0.4.7
[79] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/2b4eb8a54538a0cb80dab0914ed8100644d7a4e4
[80] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.4.4..v0.4.5
[81] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/420f3bff6177b2f40715141b8355882866a2c49b

9.14 0.4.0[82] - 2025-03-16

9.14.1 ⛰ Features

- Code-style for humans and agents - (39262e6[83])

9.15 0.3.19[84] - 2025-03-14

9.15.1 📚 Documentation

- Revert main - (0d794dc[85])

9.16 0.3.9[86] - 2025-03-13

9.16.1 🐛 Bug Fixes

- *(deps)* Tenacity - (2f37f0f[87])

9.17 0.3.12[88] - 2025-03-08

9.17.1 ⚙ Miscellaneous Tasks

- *(template)* Bump - (facdfbd[89])

9.18 0.3.11[90] - 2025-03-08

9.18.1 ⚙ Miscellaneous Tasks

- *(template)* Bump - (3286076[91])

9.19 0.3.7[92] - 2025-03-08

9.19.1 🐛 Bug Fixes

- *(deps)* Missing dep - (6492bef[93])

[82] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.24..v0.4.0
[83] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/39262e626edf9dbb7bedc8809c724140f4cb9a49
[84] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.18..v0.3.19
[85] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/0d794dc4e9e80d49e6482be075ad6dbcc45e347a
[86] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.8..v0.3.9
[87] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/2f37f0fbd3ff17a7ab6364738b71d5fafd6acb24
[88] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.11..v0.3.12
[89] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/facdfbda77f8bce74259331ab8472ff5a0d08ebf
[90] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.7..v0.3.11
[91] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/328607689e18dcd3004bd7b60d258c525843ed1e
[92] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.6..v0.3.7
[93] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/6492befe0cd161121e858913944c270166f75d38

9.20 0.3.6[94] - 2025-03-08

9.20.1 🐛 Bug Fixes

- *(template)* Only run some on .git - (06b73b0[95])

9.20.2 ⚙ Miscellaneous Tasks

- *(template)* Bump - (cc6cb86[96])
- *(template)* Update - (624e442[97])

9.21 0.3.5[98] - 2025-03-08

9.21.1 🐛 Bug Fixes

- *(ruff)* .venv exclude - (c050a84[99])

9.21.2 ⚙ Miscellaneous Tasks

- *(template)* Bump - (3310db8[100])

9.22 0.3.3[101] - 2025-03-08

9.22.1 📚 Documentation

- *(mypyp)* Badge - (1b0c57b[102])

9.23 0.3.2[103] - 2025-03-07

9.23.1 📚 Documentation

- Keywords - (bfd30fd[104])

[94] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.5..v0.3.6
[95] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/06b73b04e63ca71303a7917a3cf24a0bb8041002
[96] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/cc6cb866177907247a82ab3051595140454333b5
[97] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/624e44209127c4667503cdb287386bd2ce95c89a
[98] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.4..v0.3.5
[99] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c050a843a5a8ca1b3350fc12178ff0f75d94ac57
[100] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/3310db8ca941ba402242df10224c6b5b0bfb05f7
[101] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.2..v0.3.3
[102] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/1b0c57bd243a307195367941572a3f3cb1f329fa
[103] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.1..v0.3.2
[104] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/bfd30fd1f15141e886425c974ff805440ccfc05b

9.24 0.3.1[105] - 2025-03-07

9.24.1 🐛 Bug Fixes

- *(tests)* Smoke test - (a19f152[106])

9.25 0.3.0[107] - 2025-03-07

9.25.1 🎨 Styling

- Missing return in docstring - (23033c2[108])

9.25.2 ⚙️ Miscellaneous Tasks

- *(template)* Update - (b9ad4b9[109])
- *(template)* Test noop - (63ab1e6[110])
- Secrets.baseline update - (c3686a9[111])

9.26 0.2.25[112] - 2025-03-02

9.26.1 🐛 Bug Fixes

- *(chore)* Runnability of gitlab actions on dev - (0a54137[113])
- *(docker)* Entrypoint - (08bb2dc[114])
- Starbridge leftovers, consistency with oe-python-template - (5182e98[115])

9.26.2 🚜 Refactor

- *(act)* Better env name - (388a6f2[116])

9.26.3 📚 Documentation

- *(docker)* Surface docker compose feature - (f750fde[117])

[105] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.3.0..v0.3.1
[106] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/a19f152c7be4ce1ba04072d6771935df63f62ef8
[107] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.25..v0.3.0
[108] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/23033c2f189dd411cdea383a5154007f54f41fb2
[109] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/b9ad4b95919ec07a42104168c9f24f903040ab3e
[110] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/63ab1e61c759d15e0721ddd3621dea2d0f1d952d
[111] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c3686a9ec416bfd5a2685978e741f2abf212254c
[112] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.24..v0.2.25
[113] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/0a541376f557a3f706ea254afcc33ef10c793eaf
[114] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/08bb2dc202b36b7044b96de303ff3c8a5374d803
[115] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/5182e981e1bfff886749c2ae3b987c1100926c93
[116] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/388a6f28f9119c508d1a847e2fa371fb2ea86318
[117] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/f750fde05b30e01822ce4f1d80add173a6da5e29

- Move badge - (2ca5f27[118])
- Add copier badge - (5445b89[119])

9.26.4 ⚙ Miscellaneous Tasks

- *(template)* Update - (c7e2891[120])
- *(template)* Introduce use of oe-python-template - (4ec737c[121])
- *(vscode)* Add copilot settings - (ed24e9e[122])
- Enable configurable secrets for act - (4a44d1d[123])

9.27 0.2.24[124] - 2025-02-25

9.27.1 📚 Documentation

- Nl - (5ce6585[125])

9.27.2 Change

- *(health)* Brave search now returning 301 on head - (a048825[126])

9.28 0.2.22[127] - 2025-01-05

9.28.1 🚜 Refactor

- *(client)* Dryer - (0165365[128])

9.29 0.2.21[129] - 2025-01-05

9.29.1 📚 Documentation

- *(readthedocs)* Try to reenable fail on warning - (7f68409[130])
- Fix stars image - (e6a1217[131])

[118] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/2ca5f2722e64fa21d9eba5b7a203b6a8ea8e68fd
[119] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/5445b89768d85c6aa7855479f75ae19c35091128
[120] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c7e2891720c5112e8298a39c7074dbba802073c2
[121] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/4ec737cbf8d2ff87619377363c79f5d6a0e713c0
[122] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/ed24e9e532241e250f8d7dfb0b92198ba9487895
[123] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/4a44d1dac40501fcb93535e7fc7222b4841b6b55
[124] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.23..v0.2.24
[125] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/5ce65859da09af130089556f7dad48ff0d217f2b
[126] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/a0488257a352a772d97ba0be4d5b55ee5a522aef
[127] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.21..v0.2.22
[128] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/0165365b80967b0043eedd6076f2fe90f0b5e5a6
[129] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.20..v0.2.21
[130] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/7f684092d9dd2a7e3de8c868135d68033d63b880
[131] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/e6a12174c152d8392769d4fe4cc95dd64532e0a1

9.30 0.2.20[132] - 2025-01-05

9.30.1 ⚙ Miscellaneous Tasks

- *(ruff)* Consistent with other projects - (dd15ce6[133])

9.31 0.2.19[134] - 2025-01-04

9.31.1 📚 Documentation

- Tip - (ee178c3[135])

9.31.2 ⚙ Miscellaneous Tasks

- *(nox)* Better order - (6d77e70[136])

9.32 0.2.18[137] - 2025-01-04

9.32.1 🐛 Bug Fixes

- Latex->pdf - (a4d3f84[138])

9.32.2 📚 Documentation

- Latex->pdf - (6620699[139])

9.33 0.2.17[140] - 2025-01-04

9.33.1 🐛 Bug Fixes

- Changelog construction - (476dede[141])

9.34 0.2.16[142] - 2025-01-04

9.34.1 🎨 Styling

- Improve codestyle - (2503baa[143])

[132] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.19..v0.2.20
[133] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/dd15ce6a5c48c0581ee24144f9b5ee18c95e73f5
[134] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.18..v0.2.19
[135] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/ee178c35f149ee5e2d9b2fbdeee2c23d9f00e357
[136] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/6d77e70d740e78a4799be6467708dfd3d8d28987
[137] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.17..v0.2.18
[138] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/a4d3f843f44b69f363e032d9b89453eaf8634a61
[139] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/662069937e4dd3673c1c57d183b00094846bb4a4
[140] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.16..v0.2.17
[141] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/476dedecde95326d9c9f3bdc315d07644b83aa83
[142] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.15..v0.2.16
[143] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/2503baab73a7a3e1127db0d84ef827710ef1dea7

9.34.2 Debug

- Rtd/sphinx/pdf/enums - (02293f7[144])

9.35 0.2.15[145] - 2025-01-03

9.35.1 🚜 Refactor

- *(requests)* Remove duplication - (7bf2f50[146])

9.36 0.2.14[147] - 2025-01-03

9.36.1 📚 Documentation

- *(reference)* Links to github source and more - (1e6bdc7[148])

9.37 0.2.13[149] - 2025-01-02

9.37.1 📚 Documentation

- *(reference)* Links to github source and more - (82232bd[150])
- *(reference)* Autodoc for pydantic models and enums - (15fa5d9[151])

9.38 0.2.12[152] - 2025-01-02

9.38.1 📚 Documentation

- Advanced search in intro - (5a50da4[153])

9.39 0.2.11[154] - 2025-01-02

9.39.1 📚 Documentation

- *(readme)* Provide introduction - (3dec631[155])

[144] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/02293f77731bb1ee80622c81d3e38f97f5883fd8
[145] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.14..v0.2.15
[146] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/7bf2f50a8508eabfe4e8fc108322a035477a06dc
[147] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.13..v0.2.14
[148] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/1e6bdc7aba48dccbf626a1105ea0cd0194aef7a6
[149] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.12..v0.2.13
[150] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/82232bd96cfae2d71637779dd9bf96caeba0e935
[151] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/15fa5d90761268773eccae8e5481b2d3cd1a18b7
[152] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.11..v0.2.12
[153] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/5a50da46199404f683764bc5e44f0206e5e651bd
[154] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.10..v0.2.11
[155] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/3dec631e7761ee4573d57aa7d7bcc5238aff54d8

9.40 0.2.10[156] - 2025-01-02

9.40.1 Documentation

- *(readme)* Provide introduction - (4fb2d83[157])

9.41 0.2.9[158] - 2025-01-02

9.41.1 Documentation

- *(readme)* Provide introduction - (6f022e2[159])

9.42 0.2.8[160] - 2025-01-02

9.42.1 Documentation

- *(readme)* Provide introduction - (91ee036[161])

9.43 0.2.7[162] - 2025-01-02

9.43.1 Documentation

- *(read the docs)* Better index - (77ee7e8[163])

9.44 0.2.6[164] - 2025-01-02

9.44.1 Miscellaneous Tasks

- *(git-cliff)* Testing - (964c20d[165])

9.45 0.2.5[166] - 2025-01-02

9.45.1 Miscellaneous Tasks

- Test bump - (d2216e8[167])

[156] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.9..v0.2.10
[157] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/4fb2d8362ccb1c64b027ca1d01617fb99bcbdbfd
[158] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.8..v0.2.9
[159] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/6f022e2b2520d6dfc56865be6a31b84c34057262
[160] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.7..v0.2.8
[161] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/91ee0360a4f28edcacd78794d4fb10ffefa3a27c
[162] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.6..v0.2.7
[163] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/77ee7e8ac4fc3a84e94112cab3544f55d232c0b4
[164] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.5..v0.2.6
[165] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/964c20d5e595ebb472053eef79b4821876196d15
[166] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.4..v0.2.5
[167] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/d2216e80c7edbe2afe7107df8104119f828a829e

9.46 0.2.4[168] - 2025-01-02

9.46.1 ⚙ Miscellaneous Tasks

- Test bump - (673d574[169])

9.47 0.2.3[170] - 2025-01-02

9.47.1 ⚙ Miscellaneous Tasks

- *(bump,changelog)* Properly set changelog version on bump - (a652379[171])

9.48 0.2.1[172] - 2025-01-02

9.48.1 ⚙ Miscellaneous Tasks

- *(bump,changelog)* Properly set changelog version on bump - (6a72898[173])

9.49 0.2.0[174] - 2025-01-02

9.49.1 📚 Documentation

- *(readme)* Add setup section - (0289c4d[175])

9.50 0.1.12[176] - 2025-01-02

9.50.1 🚜 Refactor

- *(docs)* Simplify sphinx setup - (c5204ec[177])

9.51 0.1.11[178] - 2025-01-02

9.51.1 🐛 Bug Fixes

- *(examples)* Broken link in streamlit app given pivot from gitbook to read-the-docs - (20e4358[179])

[168] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.3..v0.2.4
[169] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/673d57467776e3f61adcbc82ae7287f598c726fb
[170] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.1..v0.2.3
[171] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/a6523792b4f2a735dc3782fbcc13a82d45c9b8f0
[172] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.2.0..v0.2.1
[173] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/6a72898cbed32a09a08c9d0ac04e900dab189f82
[174] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.12..v0.2.0
[175] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/0289c4de73cd0694ccb9b44612fdc3cd37abeb9e
[176] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.11..v0.1.12
[177] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c5204ec3c1c0e9d21281a9b0ccb6e3d42313705c
[178] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.10..v0.1.11
[179] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/20e43586d068f57066e757210eca962da56e54e0

9.52 0.1.10[180] - 2025-01-02

9.52.1 📚 Documentation

- Styling - (594790c[181])

9.53 0.1.9[182] - 2025-01-02

9.53.1 📚 Documentation

- Styling - (ddcd909[183])

9.54 0.1.8[184] - 2025-01-02

9.54.1 📚 Documentation

- *(sphinx)* Generate docs with sphinx, start with rtd - (137d457[185])
- *(sphinx,readthedocs)* Introduce - (a35f79d[186])

9.55 0.1.7[187] - 2025-01-01

9.55.1 📚 Documentation

- *(keywords)* Add common synonyms - (56af4ef[188])

9.56 0.1.6[189] - 2025-01-01

9.56.1 📚 Documentation

- *(readme)* Polish - (8b92c6f[190])

9.57 0.1.5[191] - 2025-01-01

9.57.1 🐛 Bug Fixes

- *(client)* Mock data loading when imported - (644c21f[192])

[180] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.9..v0.1.10
[181] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/594790ca847b6bfb63ebe38c7ef509b34c232c68
[182] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.8..v0.1.9
[183] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/ddcd909235a33d04b337becf145182eec80cbb3d
[184] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.7..v0.1.8
[185] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/137d45758fba56e7ff4f4fe637ac92e4726c0a12
[186] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/a35f79d692d39a9df219274f8433bcf6ef53b713
[187] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.6..v0.1.7
[188] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/56af4ef404d1589feafc5feef43207653fddbdad
[189] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.5..v0.1.6
[190] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/8b92c6f4e52362ee9504e4f8d2845c5eea4a2c2c
[191] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.4..v0.1.5
[192] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/644c21f1eb05a95eeb1c93b5c138c8eef91a769a

9.58 0.1.4[193] - 2025-01-01

9.58.1 🐛 Bug Fixes

- *(client)* Mock data loading when imported - (8d4cc14[194])

9.59 0.1.3[195] - 2025-01-01

9.59.1 🐛 Bug Fixes

- *(client)* Mock data loading when imported - (c215ec2[196])

9.60 0.1.2[197] - 2025-01-01

9.60.1 ⛰️ Features

- *(client)* Add BraveSearch.is_connnected, enabling to check if the API is reachable - (c7ba46c[198])

9.61 0.1.1[199] - 2025-01-01

9.61.1 ⛰️ Features

- *(mocking)* If API Key is set to brave_search_python_client.MOCK_API_KEY the search methods return mock data. Useful for integration testing - (b5a34d7[200])

9.61.2 🚜 Refactor

- *(codesmell)* Repeated use of strings in tests - (f7f8622[201])

9.62 0.0.12[202] - 2025-01-01

9.62.1 🚜 Refactor

- *(codesmell)* Repeated use of strings in tests - (9238dc0[203])

[193] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.3..v0.1.4
[194] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/8d4cc14091144345a02c1ed2a499d43c5af45b61
[195] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.2..v0.1.3
[196] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c215ec2ec75b1c3616fcd33f445601b4d27ede8e
[197] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.1..v0.1.2
[198] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/c7ba46cb65557a2ac22bbc5be668e7adfa216252
[199] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.1.0..v0.1.1
[200] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/b5a34d74bfd754c24af2220f2eec1354a1e8c19d
[201] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/f7f862223e4e638757210930fcce45d3d3353442
[202] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.11..v0.0.12
[203] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/9238dc0275030a9edc2875afe4f7d20ca890a467

9.63 0.0.11[204] - 2025-01-01

9.63.1 Documentation

- *(media)* Absolute links for PyPI - (be729f4[205])

9.64 0.0.10[206] - 2025-01-01

9.64.1 Documentation

- *(readme)* Add media - (2299600[207])

9.64.2 Miscellaneous Tasks

- *(streamlit)* Must not be an extra to be hosted on community cloud - (18e665d[208])

9.65 0.0.9[209] - 2025-01-01

9.65.1 Documentation

- *(readme)* Start to polish - (6a05049[210])

9.66 0.0.8[211] - 2025-01-01

9.66.1 Features

- *(examples)* Jupyter Notebook and simple Python script - (bacc4df[212])

9.67 0.0.7[213] - 2025-01-01

9.67.1 Features

- *(example)* Streamlit app - (833f255[214])

[204] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.10..v0.0.11
[205] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/be729f4c6a808ba8134189ad54f7d834959ca222
[206] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.9..v0.0.10
[207] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/2299600dc222bab31902b5623cbb69c351f5cac4
[208] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/18e665da5d2b6ff2f34ffc1d299c68fad671246d
[209] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.8..v0.0.9
[210] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/6a05049dd2b983af219c44f9109fb92e03b12bd4
[211] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.7..v0.0.8
[212] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/bacc4df794992b0174ccc3ba8fac900dcadfbd42
[213] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.6..v0.0.7
[214] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/833f255fcdd8591db4e5ae58dd254cd9c1c5c955

9.68 0.0.6[215] - 2025-01-01

9.68.1 🚜 Refactor

- *(client)* Use request objects; enh(validation): now complete; chore(devcontainer): include - (4410559[216])

9.68.2 📚 Documentation

- Polish - (7afc490[217])

9.69 0.0.5[218] - 2025-01-01

9.69.1 ⚙ Miscellaneous Tasks

- *(github)* Adapt to renamed command - (211bb41[219])

9.70 0.0.4[220] - 2025-01-01

9.70.1 📚 Documentation

- Basic documentation - (9384f79[221])
- Polish - (bb1909f[222])

9.70.2 ⚙ Miscellaneous Tasks

- *(github)* We don't need node in this project - (5cfd679[223])

9.71 0.0.3[224] - 2024-12-31

9.71.1 📚 Documentation

- *(docker)* Fix image name in readme and contributing - (27e6367[225])

[215] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.5..v0.0.6
[216] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/4410559cee42894c323d7f46234d4d3310f627fb
[217] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/7afc4901f156daadcd4bfba206811858772d1458
[218] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.4..v0.0.5
[219] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/211bb4138b38bb730d3e0a612617ade24cc7f6f8
[220] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.3..v0.0.4
[221] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/9384f799ba2da1fe56f90157a901bd5f9bcff054
[222] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/bb1909fc8ac0b5d945aa5e62724d710d0f516f83
[223] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/5cfd679d75d4e1a939b8210aa4a5785cf6587894
[224] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.2..v0.0.3
[225] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/27e63677561160fd35eb38b04196acdcbfc55590

9.72 0.0.2[226] - 2024-12-31

9.72.1 📚 Documentation

- *(gitbook)* Introduce gitbook site - (f574b41[227])

9.72.2 🎨 Styling

- Remove superfluous pass - (8726a6b[228])

9.73 [0.0.1] - 2024-12-31

9.73.1 📚 Documentation

- *(readme)* Tweak - (345ea07[229])

9.73.2 ⚙️ Miscellaneous Tasks

- *(github)* Secret api key for e2e test, and baseline to check on secrets in code - (5593b2b[230])

9.74 New Contributors ❤️

- @helmut-hoffer-von-ankershoffen made their first contribution

[226] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/compare/v0.0.1..v0.0.2
[227] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/f574b41d40218915de3ff5095c41f3f6ffb6b04d
[228] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/8726a6bd15a58cdcfc18105ccb2247157b870c16
[229] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/345ea07ffcae7ab30717954eb00a70b1c4045dc7
[230] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/commit/5593b2b6975703797476d28731788e5d7e9e40e9

CHAPTER

TEN

SECURITY POLICY

10.1 Reporting Security Issues

If you discover a security vulnerability in Brave Search Python Client, please report it here[231].

We take all security reports seriously. Upon receiving a security report, we will:

1. Confirm receipt of the vulnerability report
2. Investigate the issue
3. Work on a fix
4. Release a security update

10.2 Supported Versions

We currently provide security updates for the latest minor version.

10.3 Automated Security Analysis

Brave Search Python Client employs several automated tools to continuously monitor and improve security:

10.3.1 1. Vulnerability Scanning

a. **`GitHub Dependabot <https://github.com/dependabot>`__**: Monitors dependencies for vulnerabilities pre and post release on GitHub. Dependendabot alerts[232] published.

b. **`Renovate <https://www.mend.io/renovate/>`__**: Monitors dependencies for vulnerabilities pre and post release on GitHub. Dependency Dashboard[233] published.

c. **`pip-audit <https://pypi.org/project/pip-audit/>`__**: Pre commit to GitHub scans Python dependencies for known vulnerabilities using data from the Python Advisory Database[234]. `vulnerabilities.json` published per release[235].

d. **`trivy <https://trivy.dev/latest/>`__**: Pre commit to GitHub scans Python dependencies for known vulnerabilities using data from GitHub Advisory Database[236] and OSV.dev[237]. `sbom.spdx` published per release[238].

[231] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/security/advisories/new
[232] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/security/dependabot
[233] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/issues?q=is%3Aissue%20state%3Aopen%20Dependency%20Dashboard
[234] https://github.com/pypa/advisory-database
[235] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/releases
[236] https://github.com/advisories?query=ecosystem%3Apip
[237] https://osv.dev/list?q=&ecosystem=PyPI
[238] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/releases

10.3.2 2. License Compliance Checks and Software Bill of Materials (SBOM)

a. **`pip-licenses <https://pypi.org/project/pip-licenses/>`_**: Inspects and matches the licenses of all dependencies with allow list to ensure compliance with licensing requirements and avoid using components with problematic licenses. `licenses.csv`, `licenses.json` and `licenses_grouped.json` published per release[239]. a. **`cyclonedx-py <https://github.com/CycloneDX/cyclonedx-python>`_**: Generates Software Bill of Materials (SBOM) in CycloneDX[240] format, listing all components and dependencies used in the project. `sbom.json` published per release[241]. d. **`trivy <https://trivy.dev/latest/>`_**: Generates Software Bill of Materials (SBOM) in SPDX[242] format, listing all components and dependencies used in the project. `sbom.spdx` published per release[243].

10.3.3 3. Static Code Analysis

a. **`GitHub CodeQL <https://codeql.github.com/>`_**: Analyzes code for common vulnerabilities and coding errors using GitHub's semantic code analysis engine. Code scanning results[244] published.

b. **`SonarQube <https://www.sonarsource.com/products/sonarcloud/>`_**: Performs comprehensive static code analysis to detect code quality issues, security vulnerabilities, and bugs. Security hotspots[245] published.

10.3.4 4. Secret Detection

a. **`GitHub Secret scanning <https://docs.github.com/en/code-security/secret-scanning/introduction/`** Automatically scans for secrets in the codebase and alerts if any are found. Secret scanning alerts[246] published.

b. **`Yelp/detect-secrets <https://github.com/Yelp/detect-secrets>`_**: Pre-commit hook and automated scanning to prevent accidental inclusion of secrets or sensitive information in commits. Pre-Commit hook[247] published.

10.4 Security Best Practices

We follow these security best practices:

1. Regular dependency updates
2. Comprehensive test coverage
3. Code review process for changes by external contributors
4. Automated CI/CD pipelines including security checks
5. Adherence to Python security best practices

We promote security awareness among contributors and users:

1. We indicate security as a priority in our code style guide, to be followed by human and agentic contributors as mandatory
2. We publish our security posture in SECURITY.md (this document), encouraring users to report vulnerabilities.

[239] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/releases
[240] https://cyclonedx.org/
[241] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/releases
[242] https://spdx.dev/
[243] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/releases
[244] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/security/code-scanning
[245] https://sonarcloud.io/project/security_hotspots?id=helmut-hoffer-von-ankershoffen_brave-search-python-client
[246] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/security/secret-scanning
[247] https://github.com/helmut-hoffer-von-ankershoffen/brave-search-python-client/blob/main/.pre-commit-config.yaml

10.5 Security Compliance

For questions about security compliance or for more details about our security practices, please contact helmuthva@googlemail.com.

CHAPTER

ELEVEN

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CHAPTER

TWELVE

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12.1 CacheControl (0.14.1) - Apache Software License

httplib2 caching for requests

- URL: https://pypi.org/project/CacheControl/
- Author(s): Eric Larson ericlarson@ionrock.com, Frost Ming me@frostming.com, William Woodruff william@yossarian.net

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12.2 DataProperty (1.1.0) - MIT License

Python library for extract property from data.

- URL: https://github.com/thombashi/DataProperty
- Author(s): Tsuyoshi Hombashi
- Maintainer(s): Tsuyoshi Hombashi

12.2.1 License Text

```
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12.3 GitPython (3.1.43) - BSD License

GitPython is a Python library used to interact with Git repositories

- URL: https://github.com/gitpython-developers/GitPython
- Author(s): Sebastian Thiel, Michael Trier

12.3.1 License Text

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12.4 Jinja2 (3.1.6) - BSD License

A very fast and expressive template engine.

- URL: https://github.com/pallets/jinja/
- Maintainer(s): Pallets contact@palletsprojects.com

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12.5 Markdown (3.7) - BSD License

Python implementation of John Gruber's Markdown.

- URL: https://Python-Markdown.github.io/
- Author(s): Manfred Stienstra, Yuri Takhteyev
- Maintainer(s): Isaac Muse

12.5.1 License Text

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12.6 MarkupSafe (3.0.2) - BSD License

Safely add untrusted strings to HTML/XML markup.

- URL: https://github.com/pallets/markupsafe/
- Maintainer(s): Pallets contact@palletsprojects.com

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12.7 PySocks (1.7.1) - BSD

A Python SOCKS client module. See https://github.com/Anorov/PySocks for more information.

- URL: https://github.com/Anorov/PySocks
- Author(s): Anorov

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12.8 PyYAML (6.0.2) - MIT License

YAML parser and emitter for Python

- URL: https://pyyaml.org/
- Author(s): Kirill Simonov

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Send file to trash natively under Mac OS X, Windows and Linux

- URL: https://github.com/arsenetar/send2trash
- Author(s): Andrew Senetar

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12.11 Sphinx (8.2.3) - UNKNOWN

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- URL: https://www.sphinx-doc.org/
- Author(s): Adam Turner aa-turner@users.noreply.github.com, Georg Brandl georg@python.org

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A light, configurable Sphinx theme

- URL: https://alabaster.readthedocs.io/
- Maintainer(s): Adam Turner

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Vega-Altair: A declarative statistical visualization library for Python.

- URL: https://github.com/vega/altair
- Author(s): Vega-Altair Contributors

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12.14 annotated-types (0.7.0) - MIT License

Reusable constraint types to use with typing.Annotated

- URL: https://github.com/annotated-types/annotated-types
- Author(s): Adrian Garcia Badaracco 1755071+adriangb@users.noreply.github.com, Samuel Colvin s@muelcolvin.com, Zac Hatfield-Dodds zac@zhd.dev

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12.15 anyio (4.7.0) - MIT License

High level compatibility layer for multiple asynchronous event loop implementations

- URL: https://anyio.readthedocs.io/en/stable/versionhistory.html
- Author(s): Alex Grönholm alex.gronholm@nextday.fi

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12.16 apeye (1.4.1) - GNU Lesser General Public License v3 or later (LGPLv3+)

Handy tools for working with URLs and APIs.

- URL: https://github.com/domdfcoding/apeye
- Author(s): Dominic Davis-Foster dominic@davis-foster.co.uk

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12.17 apeye-core (1.1.5) - BSD License

Core (offline) functionality for the apeye library.

- URL: https://github.com/domdfcoding/apeye-core
- Author(s): Dominic Davis-Foster dominic@davis-foster.co.uk

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Disable App Nap on macOS >= 10.9

- URL: http://github.com/minrk/appnope
- Author(s): Min Ragan-Kelley

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12.19 argcomplete (3.5.2) - Apache Software License

Bash tab completion for argparse

- URL: https://github.com/kislyuk/argcomplete
- Author(s): Andrey Kislyuk

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12.20 argon2-cffi (23.1.0) - MIT License

Argon2 for Python

- URL: https://github.com/hynek/argon2-cffi/blob/main/CHANGELOG.md
- Author(s): Hynek Schlawack hs@ox.cx

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12.21 argon2-cffi-bindings (21.2.0) - MIT License

Low-level CFFI bindings for Argon2

- URL: https://github.com/hynek/argon2-cffi-bindings
- Author(s): Hynek Schlawack
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12.22 arrow (1.3.0) - Apache Software License

Better dates & times for Python

- URL: https://github.com/arrow-py/arrow
- Author(s): Chris Smith crsmithdev@gmail.com

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12.23 asttokens (3.0.0) - Apache 2.0

Annotate AST trees with source code positions

- URL: https://github.com/gristlabs/asttokens
- Author(s): Dmitry Sagalovskiy, Grist Labs

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12.24 async-lru (2.0.4) - MIT License

Simple LRU cache for asyncio

- URL: https://github.com/aio-libs/async-lru
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12.25 attrs (24.3.0) - UNKNOWN

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- URL: https://www.attrs.org/en/stable/changelog.html
- Author(s): Hynek Schlawack hs@ox.cx

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- URL: https://github.com/mansenfranzen/autodoc_pydantic
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12.27 autodocsumm (0.2.14) - Apache Software License

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- URL: https://github.com/Chilipp/autodocsumm
- Author(s): "Philipp S. Sommer" philipp.sommer@hereon.de

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12.28 babel (2.16.0) - BSD License

Internationalization utilities

- URL: https://babel.pocoo.org/
- Author(s): Armin Ronacher
- Maintainer(s): Aarni Koskela

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12.29 beautifulsoup4 (4.12.3) - MIT License

Screen-scraping library

- URL: https://www.crummy.com/software/BeautifulSoup/bs4/
- Author(s): Leonard Richardson leonardr@segfault.org

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12.30 bleach (6.2.0) - Apache Software License

An easy safelist-based HTML-sanitizing tool.

- URL: https://github.com/mozilla/bleach
- Maintainer(s): Will Kahn-Greene

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12.31 blinker (1.9.0) - MIT License

Fast, simple object-to-object and broadcast signaling

- URL: https://github.com/pallets-eco/blinker/
- Author(s): Jason Kirtland
- Maintainer(s): Pallets Ecosystem contact@palletsprojects.com

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12.32 boolean.py (4.0) - BSD-2-Clause

Define boolean algebras, create and parse boolean expressions and create custom boolean DSL.

- URL: https://github.com/bastikr/boolean.py
- Author(s): Sebastian Kraemer

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12.33 bracex (2.5.post1) - MIT License

Bash style brace expander.

- URL: https://github.com/facelessuser/bracex
- Author(s): Isaac Muse Isaac.Muse@gmail.com

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12.34 brave-search-python-client (0.4.26) - MIT License

🦁 Brave Search Python Client supporting Web, Image, News and Video search.

- URL: https://brave-search-python-client.readthedocs.io/en/latest/
- Author(s): Helmut Hoffer von Ankershoffen helmuthva@googlemail.com

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12.35 bump-my-version (1.1.2) - MIT License

Version bump your Python project

- URL: https://github.com/callowayproject/bump-my-version
- Author(s): Corey Oordt coreyoordt@gmail.com

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12.36 cachetools (5.5.0) - MIT License

Extensible memoizing collections and decorators

- URL: https://github.com/tkem/cachetools/
- Author(s): Thomas Kemmer

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12.37 certifi (2024.12.14) - Mozilla Public License 2.0 (MPL 2.0)

Python package for providing Mozilla's CA Bundle.

- URL: https://github.com/certifi/python-certifi
- Author(s): Kenneth Reitz

12.37.1 License Text

```
This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt).  This file can be found in the mozilla source tree:
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https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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12.38 cffi (1.17.1) - MIT License

Foreign Function Interface for Python calling C code.

- URL: http://cffi.readthedocs.org
- Author(s): Armin Rigo, Maciej Fijalkowski

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12.39 cfgv (3.4.0) - MIT License

Validate configuration and produce human readable error messages.

- URL: https://github.com/asottile/cfgv
- Author(s): Anthony Sottile

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12.40 chardet (5.2.0) - GNU Lesser General Public License v2 or later (LGPLv2+)

Universal encoding detector for Python 3

- URL: https://github.com/chardet/chardet
- Author(s): Mark Pilgrim
- Maintainer(s): Daniel Blanchard

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former contains code derived from the library, whereas the latter must
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    table, the facility still operates, and performs whatever part of
    its purpose remains meaningful.

    (For example, a function in a library to compute square roots has
    a purpose that is entirely well-defined independent of the
    application.  Therefore, Subsection 2d requires that any
    application-supplied function or table used by this function must
    be optional: if the application does not supply it, the square
    root function must still compute square roots.)

These requirements apply to the modified work as a whole.  If
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  However, linking a "work that uses the Library" with the Library
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creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library".  The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library.  The
threshold for this to be true is not precisely defined by law.

  If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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  Otherwise, if the work is a derivative of the Library, you may
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    with the Library, with the complete machine-readable "work that
    uses the Library", as object code and/or source code, so that the
    user can modify the Library and then relink to produce a modified
    executable containing the modified Library.  (It is understood
    that the user who changes the contents of definitions files in the
    Library will not necessarily be able to recompile the application
    to use the modified definitions.)

    b) Use a suitable shared library mechanism for linking with the
    Library.  A suitable mechanism is one that (1) uses at run time a
    copy of the library already present on the user's computer system,
    rather than copying library functions into the executable, and (2)
    will operate properly with a modified version of the library, if
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    the user installs one, as long as the modified version is
    interface-compatible with the version that the work was made with.

    c) Accompany the work with a written offer, valid for at
    least three years, to give the same user the materials
    specified in Subsection 6a, above, for a charge no more
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That's all there is to it!
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12.41 charset-normalizer (3.4.1) - MIT License

The Real First Universal Charset Detector. Open, modern and actively maintained alternative to Chardet.

- URL: https://github.com/jawah/charset_normalizer/blob/master/CHANGELOG.md
- Author(s): “Ahmed R. TAHRI” tahri.ahmed@proton.me
- Maintainer(s): “Ahmed R. TAHRI” tahri.ahmed@proton.me

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12.42 click (8.1.8) - BSD License

Composable command line interface toolkit

- URL: https://github.com/pallets/click/
- Maintainer(s): Pallets contact@palletsprojects.com

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12.43 cloudpickle (3.1.1) - BSD License

Pickler class to extend the standard pickle.Pickler functionality

- URL: https://github.com/cloudpipe/cloudpickle
- Author(s): The cloudpickle developer team

12.44 colorama (0.4.6) - BSD License

Cross-platform colored terminal text.

- URL: https://github.com/tartley/colorama
- Author(s): Jonathan Hartley tartley@tartley.com

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12.45 colorlog (6.9.0) - MIT License

Add colours to the output of Python's logging module.

- URL: https://github.com/borntyping/python-colorlog
- Author(s): Sam Clements

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12.46 comm (0.2.2) - BSD License

Jupyter Python Comm implementation, for usage in ipykernel, xeus-python etc.

- URL: https://github.com/ipython/comm
- Author(s): Jupyter contributors

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12.47 contourpy (1.3.1) - BSD License

Python library for calculating contours of 2D quadrilateral grids

- URL: https://github.com/contourpy/contourpy
- Author(s): Ian Thomas ianthomas23@gmail.com

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12.48 coverage (7.6.10) - Apache Software License

Code coverage measurement for Python

- URL: https://github.com/nedbat/coveragepy
- Author(s): Ned Batchelder and 235 others

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A CSS Cascading Style Sheets library for Python

- URL: https://github.com/jaraco/cssutils
- Author(s): Christof Hoeke c@cthedot.de
- Maintainer(s): "Jason R. Coombs" jaraco@jaraco.com

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12.50 cycler (0.12.1) - BSD License

Composable style cycles

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12.51 cyclonedx-bom (4.6.1) - Apache Software License

CycloneDX Software Bill of Materials (SBOM) generator for Python projects and environments

- URL: https://github.com/CycloneDX/cyclonedx-python/#readme
- Author(s): Jan Kowalleck
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12.52 cyclonedx-py (1.0.1) - UNKNOWN

Alias for package 'cyclonedx-bom'

- URL: https://github.com/CycloneDX/cyclonedx-python/#package_aliases/cyclonedx-py

12.53 cyclonedx-python-lib (7.6.2) - Apache Software License

Python library for CycloneDX

- URL: https://github.com/CycloneDX/cyclonedx-python-lib/#readme
- Author(s): Paul Horton
- Maintainer(s): Jan Kowalleck

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12.54 debugpy (1.8.11) - MIT License

An implementation of the Debug Adapter Protocol for Python

- URL: https://aka.ms/debugpy
- Author(s): Microsoft Corporation

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12.55 decorator (5.1.1) - BSD License

Decorators for Humans

- URL: https://github.com/micheles/decorator
- Author(s): Michele Simionato

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12.56 defusedxml (0.7.1) - Python Software Foundation License

XML bomb protection for Python stdlib modules

- URL: https://github.com/tiran/defusedxml
- Author(s): Christian Heimes
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12.57 dependency-groups (1.3.0) - UNKNOWN

A tool for resolving PEP 735 Dependency Group data

- URL: https://github.com/sirosen/dependency-groups
- Author(s): Stephen Rosen sirosen0@gmail.com

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12.58 detect-secrets (1.5.0) - Apache Software License

Tool for detecting secrets in the codebase

- URL: https://github.com/Yelp/detect-secrets
- Author(s): Yelp, Inc.

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12.59 dict2css (0.3.0.post1) - MIT License

A μ-library for constructing cascading style sheets from Python dictionaries.

- URL: https://github.com/sphinx-toolbox/dict2css
- Author(s): Dominic Davis-Foster dominic@davis-foster.co.uk

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12.60 distlib (0.3.9) - Python Software Foundation License

Distribution utilities

- URL: https://github.com/pypa/distlib
- Author(s): Vinay Sajip

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team.  In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com).  In 2001, the Python Software
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    1.3 thru 1.5.2  1.2         1995-1999   CNRI        yes
    1.6             1.5.2       2000        CNRI        no
    2.0             1.6         2000        BeOpen.com  no
    1.6.1           1.6         2001        CNRI        yes (2)
    2.1             2.0+1.6.1   2001        PSF         no
    2.0.1           2.0+1.6.1   2001        PSF         yes
    2.1.1           2.1+2.0.1   2001        PSF         yes
    2.2             2.1.1       2001        PSF         yes
    2.1.2           2.1.1       2002        PSF         yes
    2.1.3           2.1.2       2002        PSF         yes
    2.2.1           2.2         2002        PSF         yes
    2.2.2           2.2.1       2002        PSF         yes
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    2.4.2           2.4.1       2005        PSF         yes
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    2.5.3           2.5.2       2008        PSF         yes
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    2.6.2           2.6.1       2009        PSF         yes
    2.6.3           2.6.2       2009        PSF         yes
    2.6.4           2.6.3       2009        PSF         yes
    2.6.5           2.6.4       2010        PSF         yes
    3.0             2.6         2008        PSF         yes
    3.0.1           3.0         2009        PSF         yes
    3.1             3.0.1       2009        PSF         yes
    3.1.1           3.1         2009        PSF         yes
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12.62 domdf-python-tools (3.9.0) - MIT License

Helpful functions for Python

- URL: https://github.com/domdfcoding/domdf_python_tools
- Author(s): Dominic Davis-Foster

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Tools to expand Python's enum module.

- URL: https://github.com/domdfcoding/enum_tools
- Author(s): Dominic Davis-Foster dominic@davis-foster.co.uk

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Fastest Python implementation of JSON schema

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- URL: https://github.com/tox-dev/py-filelock
- Maintainer(s): Bernát Gábor gaborjbernat@gmail.com

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Tools to manipulate font files

- URL: http://github.com/fonttools/fonttools
- Author(s): Just van Rossum
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Git Object Database

- URL: https://github.com/gitpython-developers/gitdb
- Author(s): Sebastian Thiel

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A pure-Python, bring-your-own-I/O implementation of HTTP/1.1

- URL: https://github.com/python-hyper/h11
- Author(s): Nathaniel J. Smith

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12.74 html5lib (1.1) - MIT License

HTML parser based on the WHATWG HTML specification

- URL: https://github.com/html5lib/html5lib-python
- Maintainer(s): James Graham

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12.75 httpcore (1.0.7) - BSD License

A minimal low-level HTTP client.

- URL: https://www.encode.io/httpcore/
- Author(s): Tom Christie tom@tomchristie.com

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The next generation HTTP client.

- URL: https://github.com/encode/httpx
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File identification library for Python

- URL: https://github.com/pre-commit/identify
- Author(s): Chris Kuehl

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12.79 imagesize (1.4.1) - MIT License

Getting image size from png/jpeg/jpeg2000/gif file

- URL: https://github.com/shibukawa/imagesize_py
- Author(s): Yoshiki Shibukawa

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12.80 iniconfig (2.0.0) - MIT License

brain-dead simple config-ini parsing

- URL: https://github.com/pytest-dev/iniconfig
- Author(s): Ronny Pfannschmidt opensource@ronnypfannschmidt.de, Holger Krekel holger.krekel@gmail.com

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- URL: https://ipython.org
- Author(s): IPython Development Team ipython-dev@scipy.org

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Jupyter interactive widgets

- URL: http://jupyter.org
- Author(s): Jupyter Development Team

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12.84 isoduration (20.11.0) - ISC License (ISCL)

Operations with ISO 8601 durations

- URL: https://github.com/bolsote/isoduration
- Author(s): Víctor Muñoz

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- URL: https://github.com/pallets/itsdangerous/
- Maintainer(s): Pallets contact@palletsprojects.com

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12.86 jedi (0.19.2) - MIT License

An autocompletion tool for Python that can be used for text editors.

- URL: https://github.com/davidhalter/jedi
- Author(s): David Halter
- Maintainer(s): David Halter

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12.87 json5 (0.10.0) - Apache Software License

A Python implementation of the JSON5 data format.

- URL: https://github.com/dpranke/pyjson5
- Author(s): Dirk Pranke dpranke@chromium.org

12.87.1 License Text

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Identify specific nodes in a JSON document (RFC 6901)

- URL: https://github.com/stefankoegl/python-json-pointer
- Author(s): Stefan Kögl

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12.89 jsonschema (4.23.0) - MIT License

An implementation of JSON Schema validation for Python

- URL: https://github.com/python-jsonschema/jsonschema
- Author(s): Julian Berman Julian+jsonschema@GrayVines.com

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The JSON Schema meta-schemas and vocabularies, exposed as a Registry

- URL: https://github.com/python-jsonschema/jsonschema-specifications
- Author(s): Julian Berman Julian+jsonschema-specifications@GrayVines.com

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- Author(s): Jupyter Development Team

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Multi-Language Server WebSocket proxy for Jupyter Notebook/Lab server

- URL: https://github.com/jupyter-lsp/jupyterlab-lsp/issues
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Jupyter protocol implementation and client libraries

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- Author(s): Jupyter Development Team jupyter@googlegroups.com

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Jupyter core package. A base package on which Jupyter projects rely.

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The backend—i.e. core services, APIs, and REST endpoints—to Jupyter web applications.

- URL: https://jupyter-server.readthedocs.io
- Author(s): Jupyter Development Team jupyter@googlegroups.com

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JupyterLab computational environment

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Pygments theme using JupyterLab CSS variables

- URL: https://github.com/jupyterlab/jupyterlab_pygments
- Author(s): Jupyter Development Team jupyter@googlegroups.com

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A set of server components for JupyterLab and JupyterLab like applications.

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- Author(s): Jupyter Development Team jupyter@googlegroups.com

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Jupyter interactive widgets for JupyterLab

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12.103 kiwisolver (1.4.8) - BSD License

A fast implementation of the Cassowary constraint solver

- URL: https://github.com/nucleic/kiwi
- Author(s): The Nucleic Development Team sccolbert@gmail.com
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----------
Chris Colbert began the Kiwi project in December 2013 in an effort to
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- URL: https://github.com/aboutcode-org/license-expression
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12.105 lxml (5.3.0) - BSD License

Powerful and Pythonic XML processing library combining libxml2/libxslt with the ElementTree API.

- URL: https://lxml.de/
- Author(s): lxml dev team
- Maintainer(s): lxml dev team

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12.106 marimo (0.13.1) - Apache Software License

A library for making reactive notebooks and apps

- URL: https://github.com/marimo-team/marimo

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- URL: https://github.com/executablebooks/markdown-it-py
- Author(s): Chris Sewell chrisj_sewell@hotmail.com

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Inline Matplotlib backend for Jupyter

- URL: https://github.com/ipython/matplotlib-inline
- Author(s): IPython Development Team ipython-dev@python.org

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12.110 mbstrdecoder (1.1.4) - MIT License

mbstrdecoder is a Python library for multi-byte character string decoder

- URL: https://github.com/thombashi/mbstrdecoder
- Author(s): Tsuyoshi Hombashi

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Markdown URL utilities

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A sane and fast Markdown parser with useful plugins and renderers

- URL: https://github.com/lepture/mistune
- Author(s): Hsiaoming Yang me@lepture.com

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12.113 more-itertools (10.5.0) - MIT License

More routines for operating on iterables, beyond itertools

- URL: https://github.com/more-itertools/more-itertools
- Author(s): Erik Rose erikrose@grinchcentral.com

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12.114 msgpack (1.1.0) - Apache Software License

MessagePack serializer

- URL: https://msgpack.org/
- Author(s): Inada Naoki songofacandy@gmail.com

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12.115 mypy (1.15.0) - MIT License

Optional static typing for Python

- URL: https://www.mypy-lang.org/
- Author(s): Jukka Lehtosalo jukka.lehtosalo@iki.fi

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- URL: https://github.com/python/mypy_extensions
- Author(s): The mypy developers

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Extremely lightweight compatibility layer between dataframe libraries

- URL: https://github.com/narwhals-dev/narwhals
- Author(s): Marco Gorelli 33491632+MarcoGorelli@users.noreply.github.com

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Simple yet flexible natural sorting in Python.

- URL: https://github.com/SethMMorton/natsort
- Author(s): Seth M. Morton

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A client library for executing notebooks. Formerly nbconvert's ExecutePreprocessor.

- URL: https://jupyter.org
- Author(s): Jupyter Development Team jupyter@googlegroups.com

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12.122 nest-asyncio (1.6.0) - BSD License

Patch asyncio to allow nested event loops

- URL: https://github.com/erdewit/nest_asyncio
- Author(s): Ewald R. de Wit

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Node.js virtual environment builder

- URL: https://github.com/ekalinin/nodeenv
- Author(s): Eugene Kalinin

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Jupyter Notebook - A web-based notebook environment for interactive computing

- URL: https://github.com/jupyter/notebook
- Author(s): Jupyter Development Team jupyter@googlegroups.com

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A shim layer for notebook traits and config

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12.126 nox (2025.2.9) - Apache Software License

Flexible test automation.

- URL: https://github.com/wntrblm/nox
- Author(s): Alethea Katherine Flowers me@thea.codes

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12.127 numpy (2.2.1) - BSD License

Fundamental package for array computing in Python

- URL: https://numpy.org
- Author(s): Travis E. Oliphant et al.
- Maintainer(s): NumPy Developers numpy-discussion@python.org

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12.128 outcome (1.3.0.post0) - Apache Software License; MIT License

Capture the outcome of Python function calls.

- URL: https://github.com/python-trio/outcome

- Author(s): Frazer McLean

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12.129 overrides (7.7.0) - Apache License, Version 2.0

A decorator to automatically detect mismatch when overriding a method.

- URL: https://github.com/mkorpela/overrides
- Author(s): Mikko Korpela

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12.130 packageurl-python (0.16.0) - MIT License

A purl aka. Package URL parser and builder

- URL: https://github.com/package-url/packageurl-python

- Author(s): the purl authors

12.131 packaging (24.2) - Apache Software License; BSD License

Core utilities for Python packages

- URL: https://github.com/pypa/packaging
- Author(s): Donald Stufft donald@stufft.io

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12.132 pandas (2.2.3) - BSD License

Powerful data structures for data analysis, time series, and statistics

- URL: https://pandas.pydata.org
- Author(s): The Pandas Development Team pandas-dev@python.org

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team.  In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation.  In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for
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releases have also been GPL-compatible; the table below summarizes
the various releases.

    Release         Derived     Year        Owner       GPL-
                    from                                compatible? (1)

    0.9.0 thru 1.2              1991-1995   CWI         yes
    1.3 thru 1.5.2  1.2         1995-1999   CNRI        yes
    1.6             1.5.2       2000        CNRI        no
    2.0             1.6         2000        BeOpen.com  no
    1.6.1           1.6         2001        CNRI        yes (2)
    2.1             2.0+1.6.1   2001        PSF         no
    2.0.1           2.0+1.6.1   2001        PSF         yes
    2.1.1           2.1+2.0.1   2001        PSF         yes
    2.1.2           2.1.1       2002        PSF         yes
    2.1.3           2.1.2       2002        PSF         yes
    2.2 and above   2.1.1       2001-now    PSF         yes
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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12.133 pandocfilters (1.5.1) - BSD License

Utilities for writing pandoc filters in python

- URL: http://github.com/jgm/pandocfilters
- Author(s): John MacFarlane

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12.134 parso (0.8.4) - MIT License

A Python Parser

- URL: https://github.com/davidhalter/parso
- Author(s): David Halter
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12.135 pathvalidate (3.2.3) - MIT License

pathvalidate is a Python library to sanitize/validate a string such as filenames/file-paths/etc.

- URL: https://github.com/thombashi/pathvalidate
- Author(s): Tsuyoshi Hombashi

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12.136 pexpect (4.9.0) - ISC License (ISCL)

Pexpect allows easy control of interactive console applications.

- URL: https://pexpect.readthedocs.io/
- Author(s): Noah Spurrier; Thomas Kluyver; Jeff Quast

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12.137 pillow (11.0.0) - CMU License (MIT-CMU)

Python Imaging Library (Fork)

- URL: https://python-pillow.org
- Author(s): "Jeffrey A. Clark" aclark@aclark.net

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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`include/freetype/internal/fthash.h`; they were part of the BDF driver
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12.138 pip (24.3.1) - MIT License

The PyPA recommended tool for installing Python packages.

- URL: https://pip.pypa.io/
- Author(s): The pip developers distutils-sig@python.org

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12.139 pip-api (0.0.34) - Apache Software License

An unofficial, importable pip API

- URL: http://github.com/di/pip-api
- Author(s): Dustin Ingram

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- URL: https://github.com/raimon49/pip-licenses
- Author(s): raimon raimon49@hotmail.com

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12.141 pip-requirements-parser (32.0.1) - MIT

pip requirements parser - a mostly correct pip requirements parsing library because it uses pip's own code.

- URL: https://github.com/nexB/pip-requirements-parser
- Author(s): The pip authors, nexB. Inc. and others

12.142 pip_audit (2.9.0) - Apache Software License

A tool for scanning Python environments for known vulnerabilities

- URL: https://pypi.org/project/pip-audit/
- Author(s): Alex Cameron alex.cameron@trailofbits.com, Dustin Ingram di@python.org, William Woodruff william@trailofbits.com

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A small Python package for determining appropriate platform-specific dirs, e.g. a `user data dir`.

- URL: https://github.com/tox-dev/platformdirs
- Maintainer(s): Bernát Gábor gaborjbernat@gmail.com, Julian Berman Julian@GrayVines.com, Ofek Lev oss@ofek.dev, Ronny Pfannschmidt opensource@ronnypfannschmidt.de

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12.144 pluggy (1.5.0) - MIT License

plugin and hook calling mechanisms for python

- URL: https://github.com/pytest-dev/pluggy
- Author(s): Holger Krekel

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12.145 pre_commit (4.1.0) - MIT License

A framework for managing and maintaining multi-language pre-commit hooks.

- URL: https://github.com/pre-commit/pre-commit

- Author(s): Anthony Sottile

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12.146 prettytable (3.12.0) - BSD License

A simple Python library for easily displaying tabular data in a visually appealing ASCII table format

- URL: https://github.com/prettytable/prettytable
- Author(s): Luke Maurits luke@maurits.id.au
- Maintainer(s): Hugo van Kemenade

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12.147 prometheus_client (0.21.1) - Apache Software License

Python client for the Prometheus monitoring system.

- URL: https://github.com/prometheus/client_python
- Author(s): Brian Brazil

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12.148 prompt_toolkit (3.0.48) - BSD License

Library for building powerful interactive command lines in Python

- URL: https://github.com/prompt-toolkit/python-prompt-toolkit
- Author(s): Jonathan Slenders

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12.149 protobuf (5.29.2) - 3-Clause BSD License

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- URL: https://developers.google.com/protocol-buffers/
- Author(s): protobuf@googlegroups.com

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12.150 psutil (7.0.0) - BSD License

Cross-platform lib for process and system monitoring in Python. NOTE: the syntax of this script MUST be kept compatible with Python 2.7.

- URL: https://github.com/giampaolo/psutil
- Author(s): Giampaolo Rodola

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12.151 ptyprocess (0.7.0) - ISC License (ISCL)

Run a subprocess in a pseudo terminal

- URL: https://github.com/pexpect/ptyprocess
- Author(s): Thomas Kluyver

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12.152 pure_eval (0.2.3) - MIT License

Safely evaluate AST nodes without side effects

- URL: http://github.com/alexmojaki/pure_eval
- Author(s): Alex Hall

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12.153 py-serializable (1.1.2) - Apache Software License

Library for serializing and deserializing Python Objects to and from JSON and XML.

- URL: https://github.com/madpah/serializable#readme
- Author(s): Paul Horton
- Maintainer(s): Jan Kowalleck

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This project includes code from Folly.

 * cpp/src/arrow/vendored/ProducerConsumerQueue.h

is based on Folly's

 * folly/Portability.h
 * folly/lang/Align.h
 * folly/ProducerConsumerQueue.h

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java/vector/src/main/java/org/apache/arrow/vector/util/IntObjectHashMap.java
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12.155 pycparser (2.22) - BSD License

C parser in Python

- URL: https://github.com/eliben/pycparser
- Author(s): Eli Bendersky
- Maintainer(s): Eli Bendersky

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Python bindings for Yrs

- URL: https://github.com/jupyter-server/pycrdt
- Author(s): David Brochart david.brochart@gmail.com

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Data validation using Python type hints

- URL: https://github.com/pydantic/pydantic
- Author(s): Samuel Colvin s@muelcolvin.com, Eric Jolibois em.jolibois@gmail.com, Hasan Ramezani hasan.r67@gmail.com, Adrian Garcia Badaracco 1755071+adriangb@users.noreply.github.com, Terrence Dorsey terry@pydantic.dev, David Montague david@pydantic.dev, Serge Matveenko lig@countzero.co, Marcelo Trylesinski marcelotryle@gmail.com, Sydney Runkle sydneymarierunkle@gmail.com, David Hewitt mail@davidhewitt.io, Alex Hall alex.mojaki@gmail.com, Victorien Plot contact@vctrn.dev

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12.158 pydantic-settings (2.9.1) - MIT License

Settings management using Pydantic

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- Author(s): Samuel Colvin s@muelcolvin.com, Eric Jolibois em.jolibois@gmail.com, Hasan Ramezani hasan.r67@gmail.com

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Core functionality for Pydantic validation and serialization

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- Author(s): Samuel Colvin s@muelcolvin.com, Adrian Garcia Badaracco 1755071+adriangb@users.noreply.github.com, David Montague david@pydantic.dev, David Hewitt mail@davidhewitt.dev, Sydney Runkle sydneymarierunkle@gmail.com, Victorien Plot contact@vctrn.dev

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Extension pack for Python Markdown.

- URL: https://github.com/facelessuser/pymdown-extensions
- Author(s): Isaac Muse Isaac.Muse@gmail.com

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12.162 pyparsing (3.2.0) - MIT License

pyparsing module - Classes and methods to define and execute parsing grammars

- URL: https://github.com/pyparsing/pyparsing/
- Author(s): Paul McGuire ptmcg.gm+pyparsing@gmail.com

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12.163 pyright (1.1.400) - MIT

Command line wrapper for pyright

- URL: https://github.com/RobertCraigie/pyright-python
- Author(s): Robert Craigie
- Maintainer(s): Robert Craigie

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12.164 pytablewriter (1.2.1) - MIT License

pytablewriter is a Python library to write a table in various formats: AsciiDoc / CSV / Elasticsearch / HTML / JavaScript / JSON / LaTeX / LDJSON / LTSV / Markdown / MediaWiki / NumPy / Excel / Pandas / Python / reStructuredText / SQLite / TOML / TSV / YAML.

- URL: https://github.com/thombashi/pytablewriter
- Author(s): Tsuyoshi Hombashi

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12.165 pytest (8.3.5) - MIT License

pytest: simple powerful testing with Python

- URL: https://docs.pytest.org/en/latest/
- Author(s): Holger Krekel, Bruno Oliveira, Ronny Pfannschmidt, Floris Bruynooghe, Brianna Laugher, Florian Bruhin, Others (See AUTHORS)

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12.166 pytest-asyncio (0.26.0) - UNKNOWN

Pytest support for asyncio

- URL: https://github.com/pytest-dev/pytest-asyncio
- Author(s): "Tin Tvrtković tinchester@gmail.com" tinchester@gmail.com

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12.167 pytest-base-url (2.1.0) - Mozilla Public License 2.0 (MPL 2.0)

pytest plugin for URL based testing

- URL: https://github.com/pytest-dev/pytest-base-url
- Author(s): Dave Hunt dhunt@mozilla.com, Jim Brannlund jimbrannlund@fastmail.com

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12.168 pytest-cov (6.1.1) - MIT License

Pytest plugin for measuring coverage.

- URL: https://github.com/pytest-dev/pytest-cov
- Author(s): Marc Schlaich

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12.169 pytest-datadir (1.5.0) - MIT License

pytest plugin for test data directories and files

- URL: http://github.com/gabrielcnr/pytest-datadir
- Author(s): Gabriel Reis

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12.170 pytest-docker (3.2.1) - MIT License

Simple pytest fixtures for Docker and Docker Compose based tests

- URL: https://github.com/avast/pytest-docker
- Author(s): Max K., Andre Caron

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12.171 pytest-env (1.1.5) - MIT License

pytest plugin that allows you to add environment variables.

- URL: https://github.com/pytest-dev/pytest-env
- Maintainer(s): Bernát Gábor gaborjbernat@gmail.com

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pytest plugin for generating HTML reports

- URL: https://github.com/pytest-dev/pytest-html
- Author(s): Dave Hunt dhunt@mozilla.com, Jim Brannlund jimbrannlund@fastmail.com

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A pytest plugin to generate test outcomes reports with markdown table format.

- URL: https://github.com/thombashi/pytest-md-report
- Author(s): Tsuyoshi Hombashi

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12.174 pytest-metadata (3.1.1) - Mozilla Public License 2.0 (MPL 2.0)

pytest plugin for test session metadata

- URL: https://github.com/pytest-dev/pytest-metadata
- Author(s): Dave Hunt dhunt@mozilla.com, Jim Brannlund jimbrannlund@fastmail.com

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12.175 pytest-regressions (2.7.0) - MIT License

Easy to use fixtures to write regression tests.

- URL: https://github.com/ESSS/pytest-regressions
- Author(s): ESSS
- Maintainer(s): Bruno Oliveira

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pytest plugin for Selenium

- URL: https://github.com/pytest-dev/pytest-selenium
- Author(s): Dave Hunt dhunt@mozilla.com, Jim Brannlund jimbrannlund@fastmail.com

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12.177 pytest-subprocess (1.5.3) - MIT License

A plugin to fake subprocess for pytest

- URL: https://github.com/aklajnert/pytest-subprocess
- Author(s): Andrzej Klajnert
- Maintainer(s): Andrzej Klajnert

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12.178 pytest-timeout (2.3.1) - DFSG approved; MIT License

pytest plugin to abort hanging tests

- URL: https://github.com/pytest-dev/pytest-timeout
- Author(s): Floris Bruynooghe

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12.179 pytest-variables (3.1.0) - Mozilla Public License 2.0 (MPL 2.0)

pytest plugin for providing variables to tests/fixtures

- URL: https://github.com/pytest-dev/pytest-variables
- Author(s): Dave Hunt dhunt@mozilla.com, Jim Brannlund jimbrannlund@fastmail.com

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12.180 pytest-watcher (0.4.3) - MIT License

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- URL: https://github.com/olzhasar/pytest-watcher
- Author(s): Olzhas Arystanov

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12.181 pytest-xdist (3.6.1) - MIT License

pytest xdist plugin for distributed testing, most importantly across multiple CPUs

- URL: https://github.com/pytest-dev/pytest-xdist
- Author(s): holger krekel and contributors pytest-dev@python.org, holger@merlinux.eu

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12.182 python-dateutil (2.9.0.post0) - Apache Software License; BSD License

Extensions to the standard Python datetime module

- URL: https://github.com/dateutil/dateutil
- Author(s): Gustavo Niemeyer
- Maintainer(s): Paul Ganssle

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12.183 python-dotenv (1.1.0) - BSD License

Read key-value pairs from a .env file and set them as environment variables

- URL: https://github.com/theskumar/python-dotenv
- Author(s): Saurabh Kumar

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12.184 python-json-logger (3.2.1) - BSD License

JSON Log Formatter for the Python Logging Package

- URL: https://nhairs.github.io/python-json-logger
- Author(s): Zakaria Zajac zak@madzak.com, Nicholas Hairs info+python-json-logger@nicholashairs.com
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World timezone definitions, modern and historical

- URL: http://pythonhosted.org/pytz
- Author(s): Stuart Bishop
- Maintainer(s): Stuart Bishop

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Python bindings for 0MQ

- URL: https://pyzmq.readthedocs.org
- Author(s): Brian E. Granger, Min Ragan-Kelley

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Python library to build pretty command line user prompts ⭐

- URL: https://github.com/tmbo/questionary
- Author(s): Tom Bocklisch
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12.188 referencing (0.35.1) - MIT License

JSON Referencing + Python

- URL: https://github.com/python-jsonschema/referencing
- Author(s): Julian Berman Julian+referencing@GrayVines.com

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Python HTTP for Humans.

- URL: https://requests.readthedocs.io
- Author(s): Kenneth Reitz

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12.190 rfc3339-validator (0.1.4) - MIT License

A pure python RFC3339 validator

- URL: https://github.com/naimetti/rfc3339-validator
- Author(s): Nicolas Aimetti

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- URL: https://github.com/naimetti/rfc3986-validator
- Author(s): Nicolas Aimetti

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- URL: https://github.com/Textualize/rich
- Author(s): Will McGugan

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Format click help output nicely with rich

- URL: https://github.com/ewels/rich-click
- Author(s): Phil Ewels phil@ewels.co.uk
- Maintainer(s): Phil Ewels phil@ewels.co.uk, Daniel Reeves xdanielreeves@gmail.com

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12.194 roman-numerals-py (3.1.0) - CC0 1.0 Universal (CC0 1.0) Public Domain Dedication; Zero-Clause BSD (0BSD)

Manipulate well-formed Roman numerals

- URL: https://github.com/AA-Turner/roman-numerals/blob/master/CHANGES.rst
- Author(s): Adam Turner

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Python bindings to Rust's persistent data structures (rpds)

- URL: https://github.com/crate-py/rpds
- Author(s): Julian Berman Julian+rpds@GrayVines.com

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12.196 ruamel.yaml (0.18.8) - MIT License

ruamel.yaml is a YAML parser/emitter that supports roundtrip preservation of comments, seq/map flow style, and map key order

- URL: https://sourceforge.net/p/ruamel-yaml/code/ci/default/tree/
- Author(s): Anthon van der Neut

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An extremely fast Python linter and code formatter, written in Rust.

- URL: https://docs.astral.sh/ruff
- Author(s): Charlie Marsh charlie.r.marsh@gmail.com

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Scalene: A high-resolution, low-overhead CPU, GPU, and memory profiler for Python with AI-powered optimization suggestions

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- Author(s): Emery Berger emery@cs.umass.edu, Sam Stern jstern@umass.edu, Juan Altmayer Pizzorno juan@altmayer.com

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- URL: https://github.com/pypa/setuptools
- Author(s): Python Packaging Authority distutils-sig@python.org

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12.201 shellingham (1.5.4) - ISC License (ISCL)

Tool to Detect Surrounding Shell

- URL: https://github.com/sarugaku/shellingham
- Author(s): Tzu-ping Chung

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Python 2 and 3 compatibility utilities

- URL: https://github.com/benjaminp/six
- Author(s): Benjamin Peterson

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12.203 smmap (5.0.1) - BSD License

A pure Python implementation of a sliding window memory map manager

- URL: https://github.com/gitpython-developers/smmap
- Author(s): Sebastian Thiel

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Sniff out which async library your code is running under

- URL: https://github.com/python-trio/sniffio
- Author(s): "Nathaniel J. Smith" njs@pobox.com

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This package provides 29 stemmers for 28 languages generated from Snowball algorithms.

- URL: https://github.com/snowballstem/snowball
- Author(s): Snowball Developers

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- Author(s): Grant Jenks

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12.207 soupsieve (2.6) - MIT License

A modern CSS selector implementation for Beautiful Soup.

- URL: https://github.com/facelessuser/soupsieve
- Author(s): Isaac Muse Isaac.Muse@gmail.com

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- URL: https://github.com/sphinx-doc/sphinx-autobuild
- Author(s): Adam Turner

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Type hints (PEP 484) support for the Sphinx autodoc extension

- URL: https://github.com/tox-dev/sphinx-autodoc-typehints
- Author(s): Bernát Gábor gaborjbernat@gmail.com
- Maintainer(s): Bernát Gábor gaborjbernat@gmail.com

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A modern skeleton for Sphinx themes.

- URL: https://github.com/pradyunsg/sphinx-basic-ng
- Author(s): Pradyun Gedam

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12.212 sphinx-jinja2-compat (0.3.0) - MIT License

Patches Jinja2 v3 to restore compatibility with earlier Sphinx versions.

- URL: https://github.com/sphinx-toolbox/sphinx-jinja2-compat
- Author(s): Dominic Davis-Foster dominic@davis-foster.co.uk

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12.213 sphinx-prompt (1.9.0) - BSD License

Sphinx directive to add unselectable prompt

- URL: https://github.com/sbrunner/sphinx-prompt
- Author(s): Stéphane Brunner

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- URL: https://github.com/readthedocs/sphinx_rtd_theme
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Tabbed views for Sphinx

- URL: https://github.com/executablebooks/sphinx-tabs
- Author(s): djungelorm

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Box of handy tools for Sphinx 🧰

- URL: https://github.com/sphinx-toolbox/sphinx-toolbox
- Author(s): Dominic Davis-Foster dominic@davis-foster.co.uk

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12.218 sphinx_mdinclude (0.6.2) - MIT License

Markdown extension for Sphinx

- URL: UNKNOWN
- Author(s): Hiroyuki Takagi miyako.dev@gmail.com, CrossNox ijmermet+m2r2@gmail.com, Amethyst Reese amy@noswap.com
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12.219 sphinx_selective_exclude (1.0.3) - MIT license

Sphinx eager ".. only::" directive and other selective rendition extensions

- URL: https://github.com/pfalcon/sphinx_selective_exclude
- Author(s): Paul Sokolovsky

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sphinxcontrib-applehelp is a Sphinx extension which outputs Apple help books

- URL: https://www.sphinx-doc.org/
- Author(s): Georg Brandl georg@python.org

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- URL: https://www.sphinx-doc.org/
- Author(s): Georg Brandl georg@python.org

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- URL: https://www.sphinx-doc.org/
- Author(s): Georg Brandl georg@python.org

12.223 sphinxcontrib-jquery (4.1) - BSD License

Extension to include jQuery on newer Sphinx releases

- URL: https://github.com/sphinx-contrib/jquery/
- Author(s): Adam Turner

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A sphinx extension which renders display math in HTML via JavaScript

- URL: http://sphinx-doc.org/
- Author(s): Georg Brandl

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12.226 sphinxcontrib-serializinghtml (2.0.0) - BSD License

sphinxcontrib-serializinghtml is a sphinx extension which outputs “serialized” HTML files (json and pickle)

- URL: https://www.sphinx-doc.org/
- Author(s): Georg Brandl georg@python.org

12.227 sphinxext-opengraph (0.9.1) - BSD License

Sphinx Extension to enable OGP support

- URL: https://github.com/wpilibsuite/sphinxext-opengraph
- Author(s): Itay Ziv

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12.228 stack-data (0.6.3) - MIT License

Extract data from python stack frames and tracebacks for informative displays

- URL: http://github.com/alexmojaki/stack_data
- Author(s): Alex Hall

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12.229 standard-imghdr (3.10.14) - Python Software Foundation License

Standard library imghdr redistribution. “dead battery”.

- URL: https://github.com/youknowone/python-deadlib
- Author(s): Python Devleopers python-deadlib@youknowone.org

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12.230 starlette (0.46.2) - BSD License

The little ASGI library that shines.

- URL: https://github.com/encode/starlette
- Author(s): Tom Christie tom@tomchristie.com

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12.231 streamlit (1.44.1) - Apache Software License

A faster way to build and share data apps

- URL: https://streamlit.io
- Author(s): Snowflake Inc

12.232 swagger-plugin-for-sphinx (5.1.0) - Apache Software License

Sphinx plugin which renders a OpenAPI specification with Swagger

- URL: https://github.com/SAP/swagger-plugin-for-sphinx/blob/main/CHANGELOG.md
- Author(s): Kai Harder kai.harder@sap.com

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12.233 tabledata (1.3.4) - MIT License

tabledata is a Python library to represent tabular data. Used for pytablewriter/pytablereader/SimpleSQLite/etc.

- URL: https://github.com/thombashi/tabledata

- Author(s): Tsuyoshi Hombashi

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12.234 tabulate (0.9.0) - MIT License

Pretty-print tabular data

- URL: https://github.com/astanin/python-tabulate
- Author(s): Sergey Astanin s.astanin@gmail.com

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12.235 tcolorpy (0.1.7) - MIT License

tcolopy is a Python library to apply true color for terminal text.

- URL: https://github.com/thombashi/tcolorpy
- Author(s): Tsuyoshi Hombashi

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Retry code until it succeeds

- URL: https://github.com/jd/tenacity
- Author(s): Julien Danjou

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12.237 terminado (0.18.1) - BSD License

Tornado websocket backend for the Xterm.js Javascript terminal emulator library.

- URL: https://github.com/jupyter/terminado
- Author(s): Jupyter Development Team jupyter@googlegroups.com

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12.238 tinycss2 (1.4.0) - BSD License

A tiny CSS parser

- URL: https://www.courtbouillon.org/tinycss2
- Author(s): Simon Sapin simon.sapin@exyr.org
- Maintainer(s): CourtBouillon contact@courtbouillon.org

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12.239 toml (0.10.2) - MIT License

Python Library for Tom's Obvious, Minimal Language

- URL: https://github.com/uiri/toml
- Author(s): William Pearson

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12.240 tomli (2.2.1) - MIT License

A lil' TOML parser

- URL: https://github.com/hukkin/tomli
- Author(s): Taneli Hukkinen hukkin@users.noreply.github.com

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12.241 tomlkit (0.13.2) - MIT License

Style preserving TOML library

- URL: https://github.com/sdispater/tomlkit
- Author(s): Sébastien Eustace

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12.242 tornado (6.4.2) - Apache Software License

Tornado is a Python web framework and asynchronous networking library, originally developed at FriendFeed.

- URL: http://www.tornadoweb.org/
- Author(s): Facebook

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12.243 traitlets (5.14.3) - BSD License

Traitlets Python configuration system

- URL: https://github.com/ipython/traitlets
- Author(s): IPython Development Team ipython-dev@python.org

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12.244 trio (0.30.0) - UNKNOWN

A friendly Python library for async concurrency and I/O

- URL: https://github.com/python-trio/trio
- Author(s): "Nathaniel J. Smith" njs@pobox.com

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12.245 trio-websocket (0.12.2) - MIT License

WebSocket library for Trio

- URL: https://github.com/python-trio/trio-websocket
- Author(s): Mark E. Haase

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typepy is a Python library for variable type checker/validator/converter at a run time.

- URL: https://github.com/thombashi/typepy

- Author(s): Tsuyoshi Hombashi

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12.247 typer (0.15.2) - MIT License

Typer, build great CLIs. Easy to code. Based on Python type hints.

- URL: https://github.com/fastapi/typer
- Author(s): =?utf-8?q?Sebasti=C3=A1n_Ram=C3=ADrez?= tiangolo@gmail.com

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12.248 types-PyYAML (6.0.12.20250402) - UNKNOWN

Typing stubs for PyYAML

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Typing stubs for python-dateutil

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12.251 typing-inspection (0.4.0) - MIT License

Runtime typing introspection tools

- URL: https://github.com/pydantic/typing-inspection
- Author(s): Victorien Plot contact@vctrn.dev

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12.252 typing_extensions (4.12.2) - Python Software Foundation License

Backported and Experimental Type Hints for Python 3.8+

- URL: https://github.com/python/typing_extensions
- Author(s): "Guido van Rossum, Jukka Lehtosalo, Łukasz Langa, Michael Lee" levkivskyi@gmail.com

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team.  In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation.  In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for
the Open Source Definition).  Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

    Release         Derived     Year        Owner       GPL-
                    from                                compatible? (1)

    0.9.0 thru 1.2              1991-1995   CWI         yes
    1.3 thru 1.5.2  1.2         1995-1999   CNRI        yes
    1.6             1.5.2       2000        CNRI        no
    2.0             1.6         2000        BeOpen.com  no
    1.6.1           1.6         2001        CNRI        yes (2)
    2.1             2.0+1.6.1   2001        PSF         no
    2.0.1           2.0+1.6.1   2001        PSF         yes
    2.1.1           2.1+2.0.1   2001        PSF         yes
    2.1.2           2.1.1       2002        PSF         yes
    2.1.3           2.1.2       2002        PSF         yes
    2.2 and above   2.1.1       2001-now    PSF         yes

Footnotes:

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    other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
    because its license has a choice of law clause.  According to
    CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
    is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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Provider of IANA time zone data

- URL: https://github.com/python/tzdata
- Author(s): Python Software Foundation

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12.254 uri-template (1.3.0) - MIT License

RFC 6570 URI Template Processor

- URL: https://gitlab.linss.com/open-source/python/uri-template
- Author(s): Peter Linss pypi@linss.com

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12.255 urllib3 (2.3.0) - MIT License

HTTP library with thread-safe connection pooling, file post, and more.

- URL: https://github.com/urllib3/urllib3/blob/main/CHANGES.rst
- Author(s): Andrey Petrov andrey.petrov@shazow.net
- Maintainer(s): Seth Michael Larson sethmichaellarson@gmail.com, Quentin Pradet quentin@pradet.me, Illia Volochii illia.volochii@gmail.com

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An extremely fast Python package and project manager, written in Rust.

- URL: https://pypi.org/project/uv/
- Author(s): uv

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12.257 uvicorn (0.34.0) - BSD License

The lightning-fast ASGI server.

- URL: https://www.uvicorn.org/
- Author(s): Tom Christie tom@tomchristie.com, Marcelo Trylesinski marcelotryle@gmail.com

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12.258 virtualenv (20.28.0) - MIT License

Virtual Python Environment builder

- URL: https://github.com/pypa/virtualenv
- Maintainer(s): Bernat Gabor gaborjbernat@gmail.com

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12.259 watchdog (6.0.0) - Apache Software License

Filesystem events monitoring

- URL: https://github.com/gorakhargosh/watchdog
- Author(s): Mickaël Schoentgen

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12.260 watchfiles (1.0.3) - MIT License

Simple, modern and high performance file watching and code reload in python.

- URL: https://github.com/samuelcolvin/watchfiles
- Author(s): Samuel Colvin s@muelcolvin.com

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12.261 wcmatch (10.0) - MIT License

Wildcard/glob file name matcher.

- URL: https://github.com/facelessuser/wcmatch
- Author(s): Isaac Muse Isaac.Muse@gmail.com

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12.262 wcwidth (0.2.13) - MIT License

Measures the displayed width of unicode strings in a terminal

- URL: https://github.com/jquast/wcwidth
- Author(s): Jeff Quast

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Markus Kuhn -- 2007-05-26 (Unicode 5.0)
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12.263 webcolors (24.11.1) - BSD License

A library for working with the color formats defined by HTML and CSS.

- URL: UNKNOWN
- Author(s): James Bennett

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12.264 webencodings (0.5.1) - BSD License

Character encoding aliases for legacy web content

- URL: https://github.com/SimonSapin/python-webencodings
- Author(s): Geoffrey Sneddon

12.265 websocket-client (1.8.0) - Apache Software License

WebSocket client for Python with low level API options

- URL: https://github.com/websocket-client/websocket-client.git
- Author(s): liris
- Maintainer(s): engn33r

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12.266 websockets (14.1) - BSD License

An implementation of the WebSocket Protocol (RFC 6455 & 7692)

- URL: https://github.com/python-websockets/websockets
- Author(s): Aymeric Augustin aymeric.augustin@m4x.org

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12.267 wheel (0.45.1) - MIT License

A built-package format for Python

- URL: https://github.com/pypa/wheel
- Author(s): Daniel Holth dholth@fastmail.fm
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- URL: http://jupyter.org
- Author(s): Jupyter Development Team

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12.269 wsproto (1.2.0) - MIT License

WebSockets state-machine based protocol implementation

- URL: https://github.com/python-hyper/wsproto/
- Author(s): Benno Rice

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PYTHON MODULE INDEX

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