EBRAINS

EBRAINS Drive - Python Client

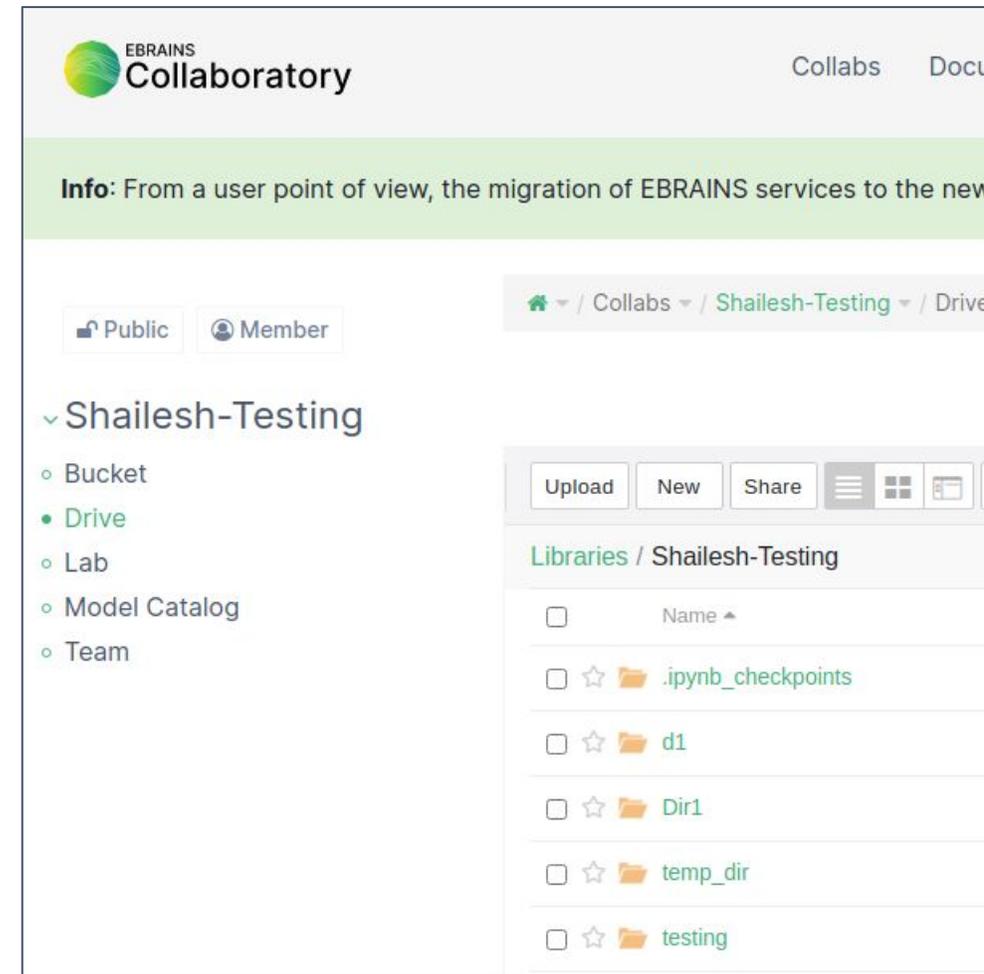**Shailesh Appukuttan**

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CodeJam #12 (Online) 23rd November 2021

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EBRAINS Drive - Basic Usage

- The Collaboratory offers two storage solutions for collabs: the **Drive** and the **Bucket**.

- The **Drive** is well suited for **smaller** files that need to be worked on

  in a **more agile** manner, possibly also **collaboratively**.

- For **larger files**, datasets, and videos the **Bucket** offers a better solution.

- **Basic Drive functionality** is available directly from Jupyter Notebooks.

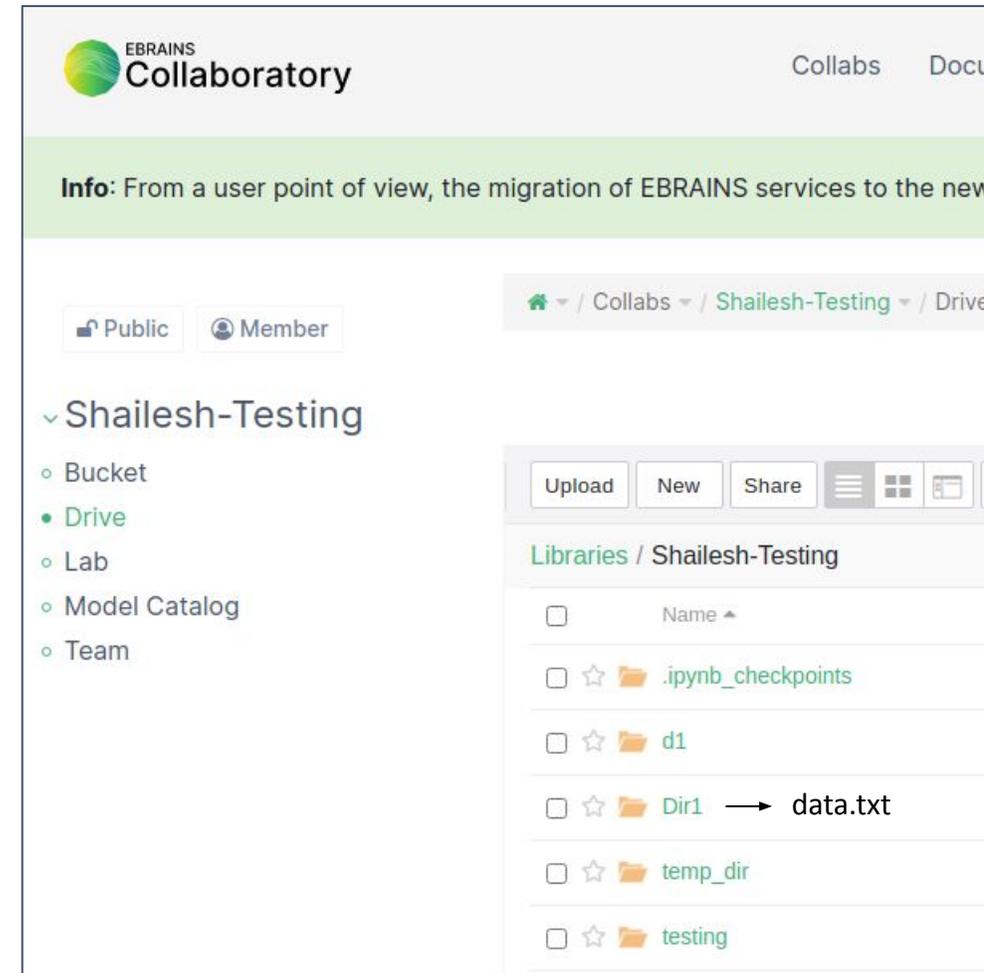- The Notebook can access files and folders in the Drive partition.

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```
with open('Dir1/data.txt', 'r') as datafile:
    contents = datafile.read()
print(contents)
```
```
Just a sample file!
```

EBRAINS Drive - Advanced Usage

- **Seafile official REST API**

    `https://download.seafile.com/published/web-api/home.md`

    The Seafile official REST API provides all the existing endpoints and functions usable in Seafile.

- **ebrains-drive** Python Client

    `https://github.com/HumanBrainProject/ebrains-drive`

    This library simplifies the usage of the Seafile REST APIs by creating specific helper functions.

Useful Info / Links

Pip Install   `pip install ebrains-drive`

PyPI Page   https://pypi.org/project/ebrains-drive

Documentation   https://github.com/HumanBrainProject/ebrains-drive/blob/master/doc.md

GitHub Repo   https://github.com/HumanBrainProject/ebrains-drive

Thank You!

Any Questions?