



EBRAINS Drive - Python Client

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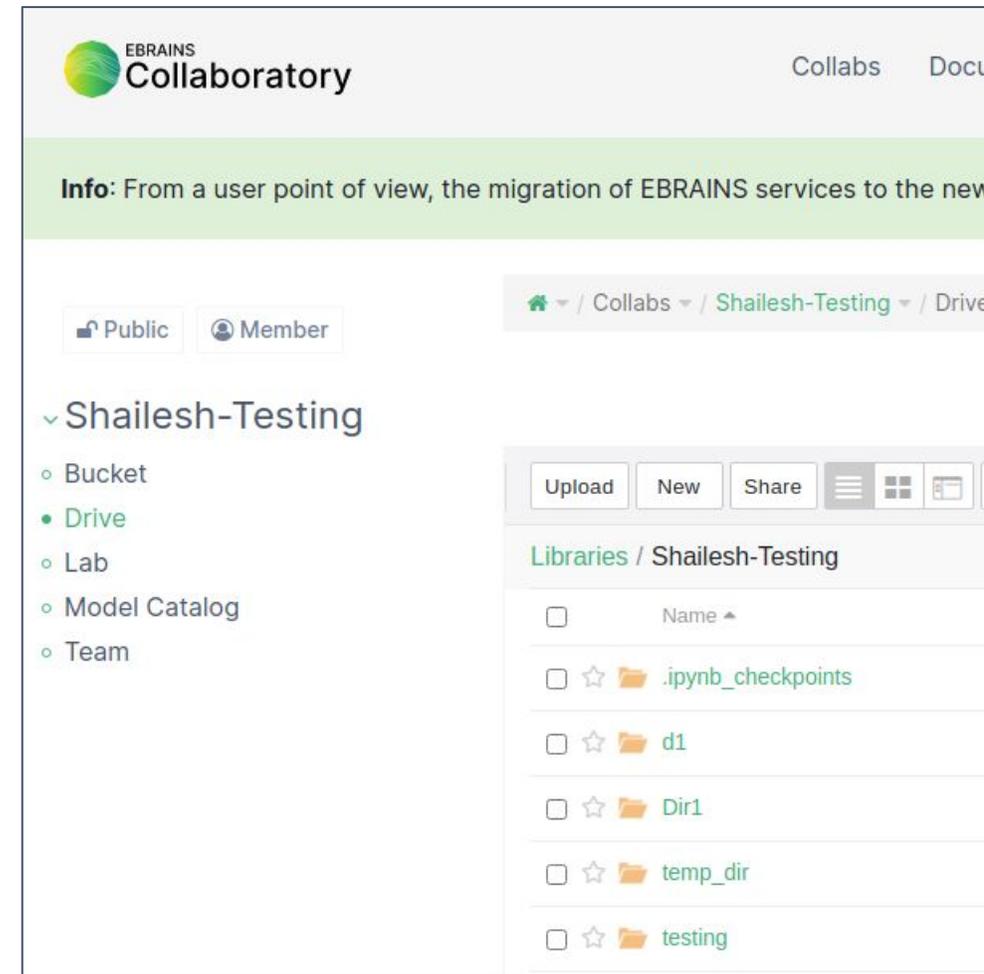
ICN, Neuro-PSI, CNRS, France

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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.

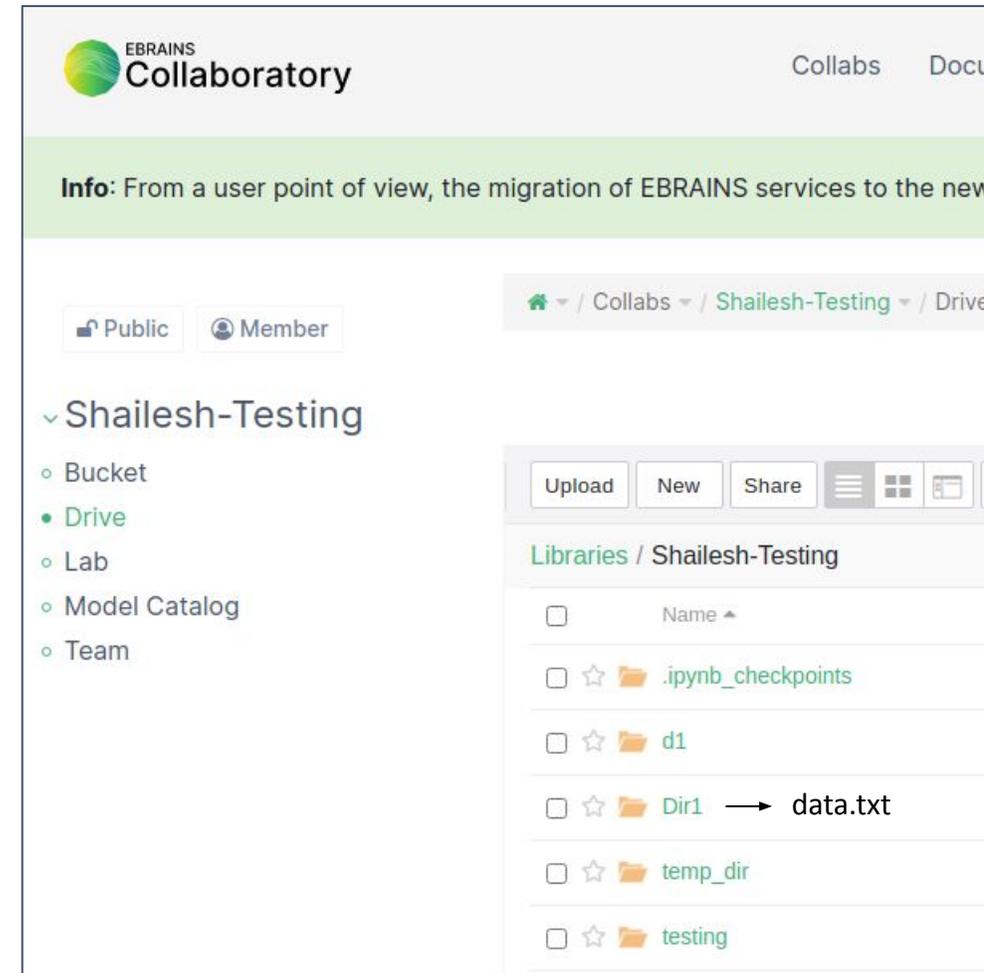


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```
with open('Dir1/data.txt', 'r') as datafile:  
    contents = datafile.read()  
print(contents)
```

Just a sample file!



The screenshot displays the EBRAINS Collaboratory web interface. At the top left is the EBRAINS Collaboratory logo. To the right are navigation links for 'Collabs' and 'Docu'. Below the logo is a green banner with an 'Info' message: 'From a user point of view, the migration of EBRAINS services to the new...'. Underneath, there are two buttons: 'Public' and 'Member'. The main content area shows a navigation tree for 'Shailesh-Testing' with options: Bucket, Drive (selected), Lab, Model Catalog, and Team. On the right side, there are buttons for 'Upload', 'New', and 'Share', along with icons for list, grid, and refresh views. Below these is a section titled 'Libraries / Shailesh-Testing' containing a table of files and folders:

<input type="checkbox"/>	Name ▲
<input type="checkbox"/>	☆ .ipynb_checkpoints
<input type="checkbox"/>	☆ d1
<input type="checkbox"/>	☆ Dir1 → data.txt
<input type="checkbox"/>	☆ temp_dir
<input type="checkbox"/>	☆ testing

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	<code>pip install ebrains-drive</code>
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?