

10.5. IMPORTING AN EXISTING NOTEBOOK FILE FROM A GIT REPOSITORY USING A NOTEBOOK CELL

You can use a cell in your notebook to clone a Git repository into your workspace to continue your work or integrate files from an external project.

Prerequisites

- A launched and running JupyterHub server.

Procedure

1. Copy the HTTPS URL for the Git repository.
 - On GitHub, click **Code** → **HTTPS** and click the Clipboard button.
 - On GitLab, click **Clone** and click the Clipboard button under **Clone with HTTPS**.
2. Open your notebook in JupyterHub.
3. Add a cell to the notebook.
4. Enter `!` followed by the **git clone** command.

```
!git clone git-clone-url
```

Replace *git-clone-url* with the HTTPS URL, for example:

```
!git clone https://github.com/example/myrepo.git
executed in 20ms, finished 12:44:12 2021-04-07
Cloning into myrepo...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 2821 (delta 1), reused 5 (delta 1), pack-reused 2810
Receiving objects: 100% (2821/2821), 39.17 MiB | 23.89 MiB/s, done.
Resolving deltas: 100% (1416/1416), done.
```

Verification

- Check that the contents of the repository are visible in the **Files** tab on the JupyterHub home page, or run the `ls` command in the Terminal to verify that the repository is shown as a directory.

10.6. IMPORTING AN EXISTING NOTEBOOK FILE FROM A GIT REPOSITORY USING THE COMMAND LINE INTERFACE

You can use the command line interface to clone a Git repository into your workspace to continue your work or integrate files from an external project.

Prerequisites

- A launched and running JupyterHub server.

Procedure

1. Copy the HTTPS URL for the Git repository.
 - On GitHub, click ↓ **Code** → **HTTPS** and click the Clipboard button.
 - On GitLab, click **Clone** and click the Clipboard button under **Clone with HTTPS**.
2. Open a terminal in JupyterHub.
 - a. From the JupyterHub home page, click the **Files** tab.
 - b. Click **New** → **Terminal**.
3. Enter the **git clone** command.

```
git clone git-clone-url
```

Replace *git-clone-url* with the HTTPS URL, for example:

```
[1234567890@jupyterhub-nb-jdoe ~]$ git clone
https://github.com/example/myrepo.git
Cloning into myrepo...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 2821 (delta 1), reused 5 (delta 1), pack-reused 2810
Receiving objects: 100% (2821/2821), 39.17 MiB | 23.89 MiB/s, done.
Resolving deltas: 100% (1416/1416), done.
```

Verification

- Check that the contents of the repository are visible in the **Files** tab on the JupyterHub home page, or run the **ls** command in the terminal to verify that the repository is shown as a directory.