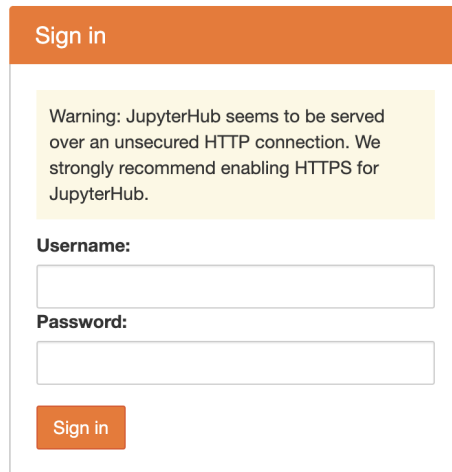


## Connecting to the EC2 Instance

Simply type that IP address into your browser to connect to the instance.  
You should see the following screen:



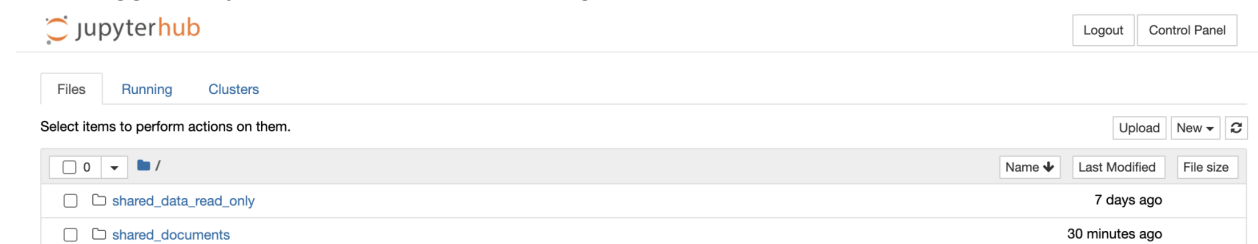
The image shows a 'Sign in' form for JupyterHub. It has an orange header with the text 'Sign in'. Below the header is a yellow warning box that says: 'Warning: JupyterHub seems to be served over an unsecured HTTP connection. We strongly recommend enabling HTTPS for JupyterHub.' Under the warning box are two input fields: 'Username:' and 'Password:'. At the bottom of the form is an orange 'Sign in' button.

Each server has premade users you will login as:

- user-1
- user-2
- user-3
- user-4
- user-5
- user-6
- user-7
- user-8

To set a password, simply put in one of the above usernames and your desired password in the field. This will both set the password and log you in, **so be sure to remember the password you set.**

Once logged in, you should see the following:



The image shows the JupyterHub interface after logging in. At the top left is the JupyterHub logo. At the top right are 'Logout' and 'Control Panel' buttons. Below the header is a navigation bar with 'Files', 'Running', and 'Clusters' tabs. Under the navigation bar is a message: 'Select items to perform actions on them.' To the right of this message are 'Upload', 'New', and a refresh icon. Below this is a file browser interface. It has a breadcrumb path '0 /' and a table with columns 'Name', 'Last Modified', and 'File size'. The table contains two entries: 'shared\_data\_read\_only' with a last modified time of '7 days ago', and 'shared\_documents' with a last modified time of '30 minutes ago'.

This directory is your user's local files. You should be able to create, upload, delete and edit files into this directory, with the following provided directories:

- Shared\_data\_read\_only - this directory has the sample data you will need. Everyone on the team can download these folders, but not make any changes to them. You can download anything within and edit how you please, but the contents of this directory cannot be changed directly.
- Shared\_documents - this folder is shared across all users on your team, and the contents can be edited however you please. This should be the collaborative folder your team will be using to share documents.

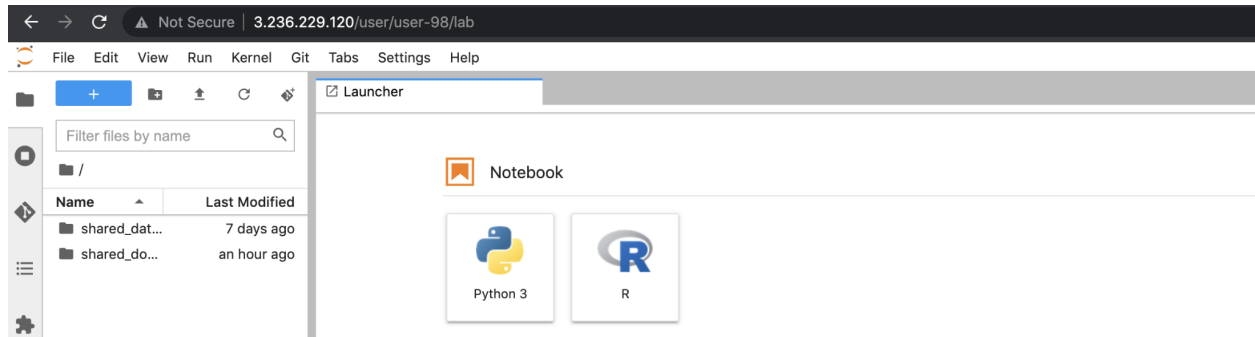
From this directory, you should be able to add a notebook with either R or Python 3, as follows:



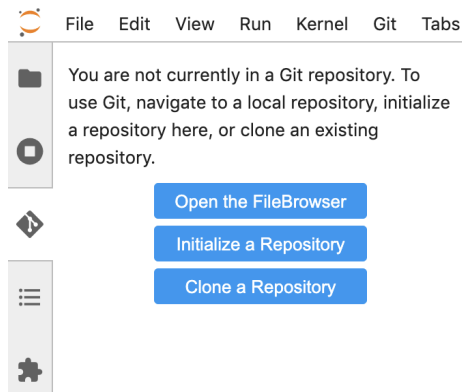
# Changing the interface to JupyterLab or nteract

You can access different interfaces by just changing the URL

JupyterLab: simply remove the trailing “/tree” and replace it with “/lab”, as seen below

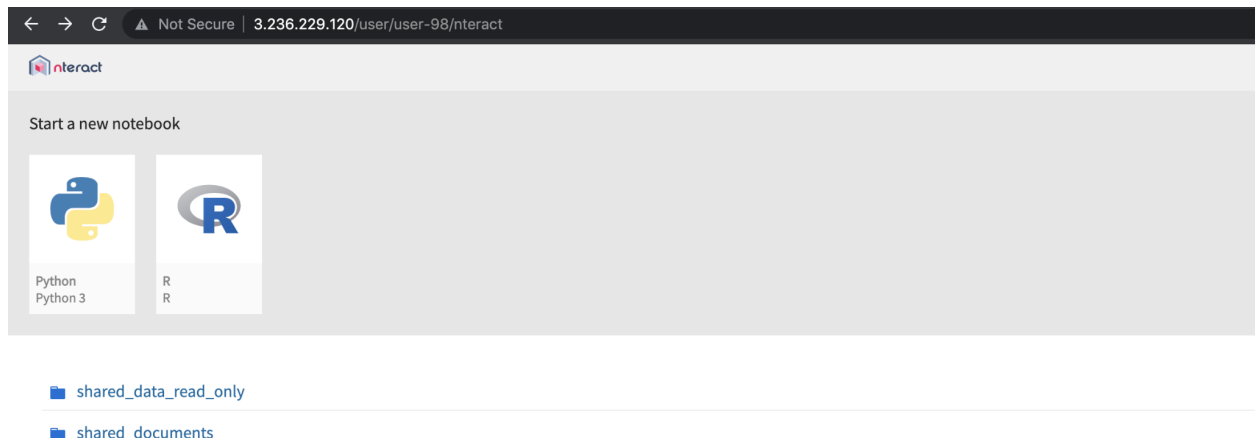


Within JupyterLab, you can integrate directly with the github repo with the plugin on the left by selecting “clone a repository”:



NOTE: Your “password” here is your github personal access token, find more information here: <https://docs.github.com/en/enterprise-server@3.4/authentication/keeping-your-account-and-data-secure/creating-a-personal-access-token>

nteract: replace the trailing “/tree” with “/nteract”



# Using R Studio

R Studio is also installed on the server. Simply add :8787 to the end of the IP address to access this page. You should be greeted with the following :

### Sign in to RStudio

Username:

Password:

☐ Stay signed in when browser closes

You will automatically be signed out after 60 minutes of inactivity.

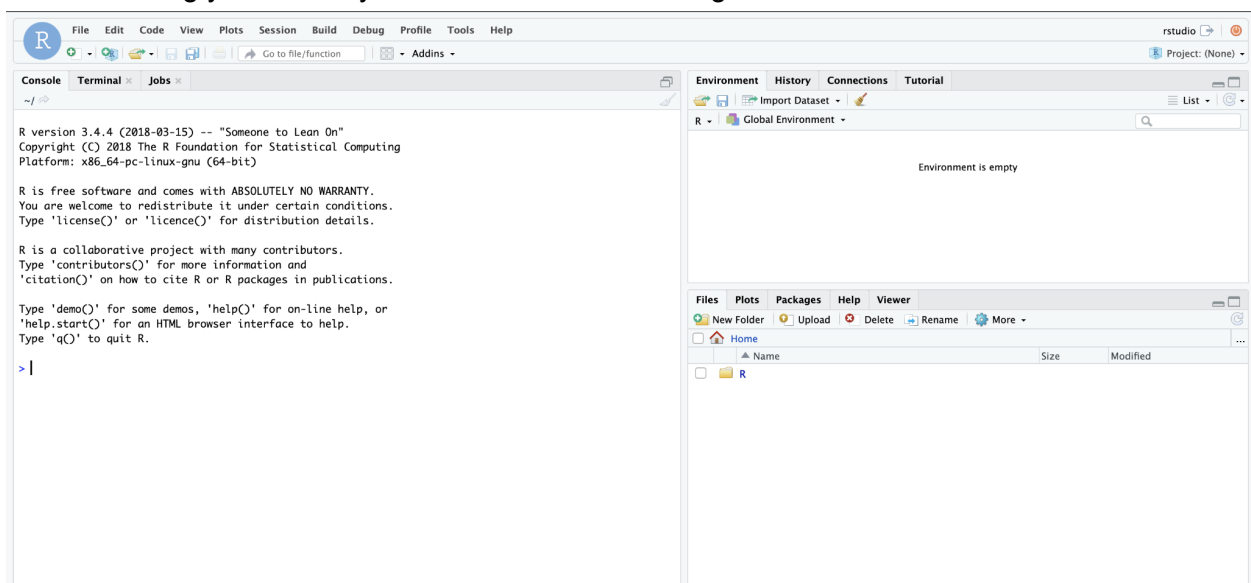
**Sign In**

Use the following credentials to get in:

Username: rstudio

Password: rstudio

This should log you in, and you should see the following:



# Installing addition libraries

You should be using pip to install any libraries you need. This can be done by opening the terminal and typing commands in the form of:

- `pip install <package-name>`