

Getting started

Nearly everything this week will be interactive using Jupyter notebooks

The image displays the JupyterLab interface, which is a web-based development environment. It features a multi-pane layout:

- File Browser (Left):** Shows a directory structure with folders like `binder`, `cpp_intro`, `docker_info`, and `tests`, and a file `README.md`. The `cpp_intro` folder is highlighted with a timestamp of `May 19, 2024 1:18 PM` and `13 minutes ago`.
- Notebook (Top Center):** A notebook titled "Notebook" is open, showing a Python 3 (ipykernel) kernel. The notebook interface includes a menu bar (File, Edit, View, Run, Kernel, Tabs, Settings, Help) and a toolbar with icons for file operations and execution.
- Console (Bottom Left):** A console window titled "Console" is open, showing a Python 3 (ipykernel) kernel. It has a similar menu bar and toolbar.
- Code Editor (Right):** A code editor window titled "Untitled.ipynb" is open, showing a single code cell with the following code:

```
[1]: print("hello world")
```

The output of the cell is `hello world`. Below the code cell, there is an input field for a new cell:

```
[ ]: |
```

Our notebooks will be using a remote system so you just need your laptop, browser and network connection)

Find the link to get to the Jupyter notebook for today on the indico agenda

The image shows a snippet of an Indico agenda. It features a green rectangular block representing a session. On the left side, the time '14:00' is aligned with the top of the block, and '15:00' is aligned with the bottom. The text 'Modern C++' is displayed in the top-left corner of the green block. In the top-right corner, the name 'David Lange' is shown next to a small blue link icon. A thick grey circle is drawn around this name and icon. At the bottom-left of the green block, the text 'University of Delhi' is visible. At the bottom-right, the time range '14:00 - 15:30' is displayed. Below the green block is an orange block labeled 'Break'.

Log in as you did previously (hopefully..) and now you should see...

The screenshot displays the JupyterLab Launcher interface. On the left is a file browser with a search bar and a table of files. The main area shows a grid of options for creating a new notebook or console. A notification dialog is visible in the bottom right corner.

File Browser:

Name	Last Modified
binder	7 hours ago
cpp_intro	3 minutes ago
docker_info	7 hours ago
README.md	7 hours ago

Launcher Grid:

- Notebook:**
 - Python 3 (ipykernel)
 - ROOT C++
- Console:**
 - Python 3 (ipykernel)
 - ROOT C++

Notification Dialog:

Would you like to receive official Jupyter news?
Please read the privacy policy.

[Open privacy policy](#) Yes No

Simple 0 s 0 Mem: 142.07 MB Launcher 1

Today's notebooks are in cpp_intro

File Edit View Run Kernel Tabs Settings Help

Filter files by name

/ cpp_intro /

Name	Last Modified
code	5 minutes ago
images	5 minutes ago
Y: environmen...	5 minutes ago
exercise1.ip...	5 minutes ago
exercise2.i...	5 minutes ago
part1.ipynb	5 minutes ago
part2.ipynb	May 19, 2024 7:29 PM
part3.ipynb	5 minutes ago

Launcher

cpp_intro

Notebook

Python 3 (ipykernel) ROOT C++

Console

Python 3 (ipykernel) ROOT C++

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When things go wrong go to <https://jupyterhub.ssl-hep.org>

Start My Server

Named Servers

In addition to your default server, you may have additional 5 server(s) with names. This allows you to have more than one server running at the same time.

Site	Server name	URL	Last activity	Actions
	<input type="text" value="Name your server"/>	Add New Server		
local	research-softwa-f-india-may2024-635h5f8t	/user/david.lange@cern.ch/research-softwa-f-india-may2024-635h5f8t	a few seconds ago	stop
local	research-softwa-f-india-may2024-yqw9x28h	/user/david.lange@cern.ch/research-softwa-f-india-may2024-yqw9x28h	a few seconds ago	stop

You can only have 5 servers. If you see five, stop some of them so that you can start a new one (servers stay running for some time even if you have lost connection to them - tomorrow this will be more important...)