



JUWELS BOOSTER ONBOARDING SC21 TUTORIAL *SESSION 1B*

14 November 2021 | Andreas Herten | Jülich Supercomputing Centre, Forschungszentrum Jülich

Accessing JUWELS Booster

- Everything listed on GitHub repo of tutorial:
[go.fzj.de/sc21-mg-gh¹](https://go.fzj.de/sc21-mg-gh)

¹Unshortened link: <https://github.com/FZJ-JSC/tutorial-multi-gpu/>

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- 1 Create JSC account at JuDoor
- 2 Join training2125 project
→ go.fzj.de/sc21-mg-jd
- 3 Accept usage agreement
- 4 Wait 15 minutes 
- 5 Access system via Jupyter
→ jupyter-jsc.fz-juelich.de
- 6 Source course environment in a Jupyter Shell
\$ `source $PROJECT_training2125/env.sh`

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- Everything listed on GitHub repo of tutorial:
go.fzj.de/sc21-mg-gh¹
- Please start process now
- We'll repeat the following steps in the first hands-on session

- 1 Create JSC account at JuDoor
- 2 Join training2125 project
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- 3 Accept usage agreement
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JuDoor Login

<https://judoor.fz-juelich.de/login?show=/projects/training2125/>

JuDoor Login

You need to login in order to visit that page.

Portal for managing accounts, projects and resources at JSC.

Login using JSC account

Username

Password

[Login](#) [Register](#) [Reset password](#)

Login with e-mail callback

Login mail address

A confirmation email to confirm your identity will be sent to this address.

[Send identification mail](#)

JU Send join request to project X +

← → ⌂ 🔒 https://judoor.fz-juelich.de/projects/join/training2125

Your account xyzhert1

Send join request to project

Do you want to send a project join request to the [training2125](#) project?

The following information will be given to the PI and PA of the project: Dr. Andreas Herten, [xyzhert1](#), [an@email.address.com](#)

Optional additional information for the PI and PA

Attending SC21 Mult-GPU tutorial and excited about today!

[Send join request to project.](#)

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[Privacy Policy](#) [JuDoor Requests](#)

The screenshot shows a web browser window for 'Jupyter-JSC' at the URL <https://jupyter-jsc.fz-juelich.de/hub/login?next=%2Fhub%2Fhome>. The page features a large banner image of a supercomputer rack with a globe. Text on the left says: 'We are pleased to bring "Supercomputing in your browser". Jupyter-JSC is designed to provide the rich high performance computing (HPC) ecosystem to the world's most popular software: web browsers. JupyterLab is a web-based interactive development environment for Jupyter notebooks, code, and data. JupyterLab is flexible to support a wide range of workflows in data science, scientific computing, and machine learning.' A 'Read more.' link is present. On the right, it says: 'login or compute nodes or even the HDF cloud - depending on the computing resources available to you.' Below this is a section for 'Helmholtz AAI' with 'Login' and 'Register' buttons, the 'Login' button being circled in pink. At the bottom, logos for various projects are listed: Jupyter-JSC, JUWELS, JURECA, JUSUF, DEEP, HDFML, and HDF-Cloud. The footer contains links for Imprint, Privacy Policy, Support, Terms of Service, and the Helmholtz logo.

We are pleased to bring "Supercomputing in your browser". Jupyter-JSC is designed to provide the rich high performance computing (HPC) ecosystem to the world's most popular software: web browsers. JupyterLab is a web-based interactive development environment for Jupyter notebooks, code, and data. JupyterLab is flexible to support a wide range of workflows in data science, scientific computing, and machine learning. [Read more.](#)

login or compute nodes or even the HDF cloud - depending on the computing resources available to you.

Please use your JSC account to log in or register if you have not already done so. It's also possible to log in via Helmholtz AAI.

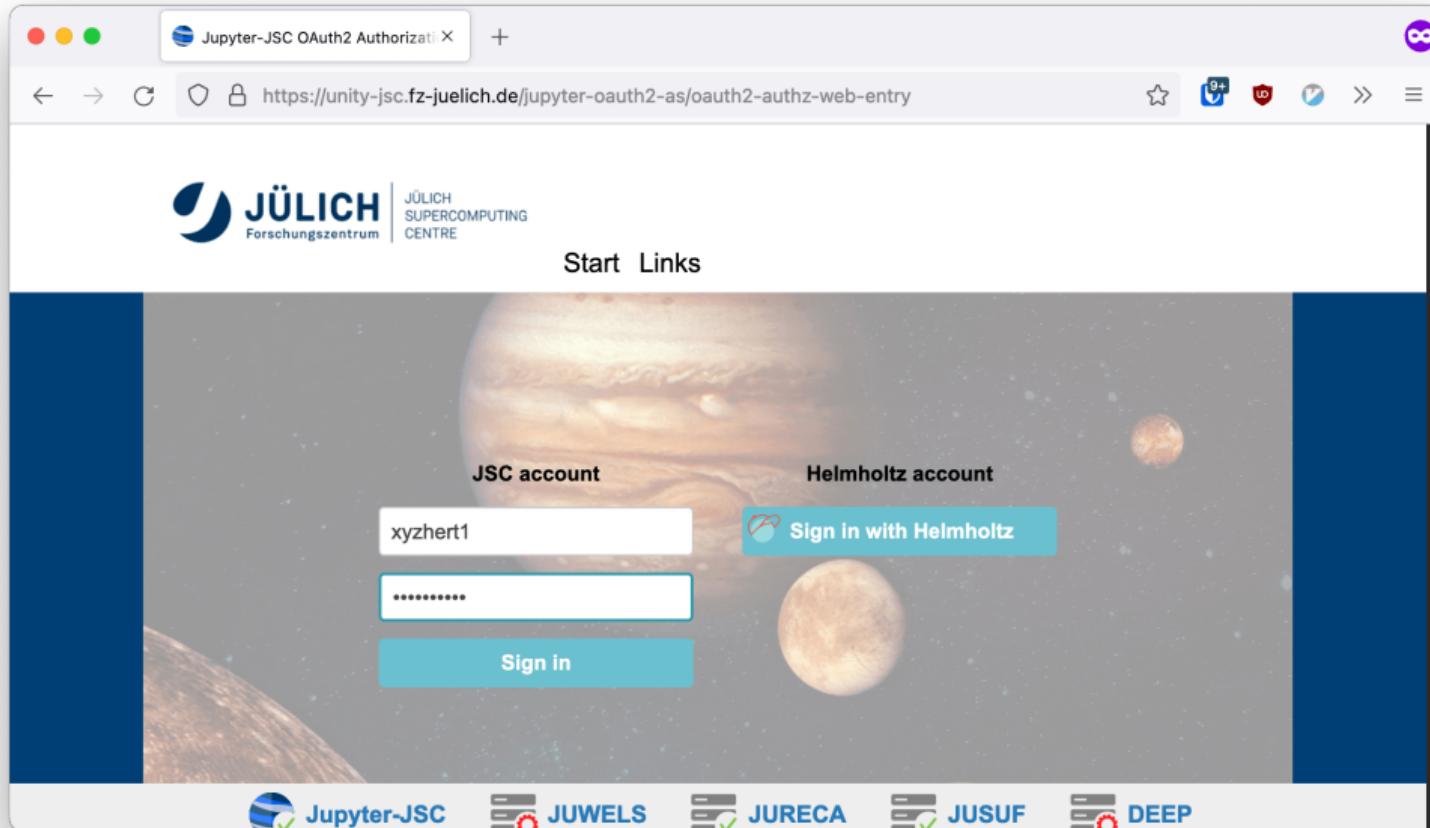
[Login](#)  [Register](#)

 **Jupyter-JSC**  **JUWELS**  **JURECA**  **JUSUF**  **DEEP**

 **HDFML**  **HDF-Cloud**

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Jülich SUPERCOMPUTING CENTRE

Last login: 13:23:11 2021-10-27
an@email.address.com [Logout](#)

Configurations

Please give each of your configurations a name.
This way you can run multiple instances at the same time.
Supported characters are a-z, 0-9 and '_'.
[Add new JupyterLab](#)

Name	Version	System	Account	Project	Partition	Details	Actions
sc21multigpu	1.0.0						

[Jupyter-JSC](#) [JUWELS](#) [JURECA](#) [JUSUF](#) [DEEP](#)

[HDFML](#) [HDF-Cloud](#)

Jupyter-JSC

https://jupyter-jsc.fz-juelich.de/hub/spawn/ /sc21multigpu

JÜLICH
Forschungszentrum

JÜLICH SUPERCOMPUTING CENTRE

Last login: 13:23:11 2021-10-27

an@email.address.com

Logout

Start Links

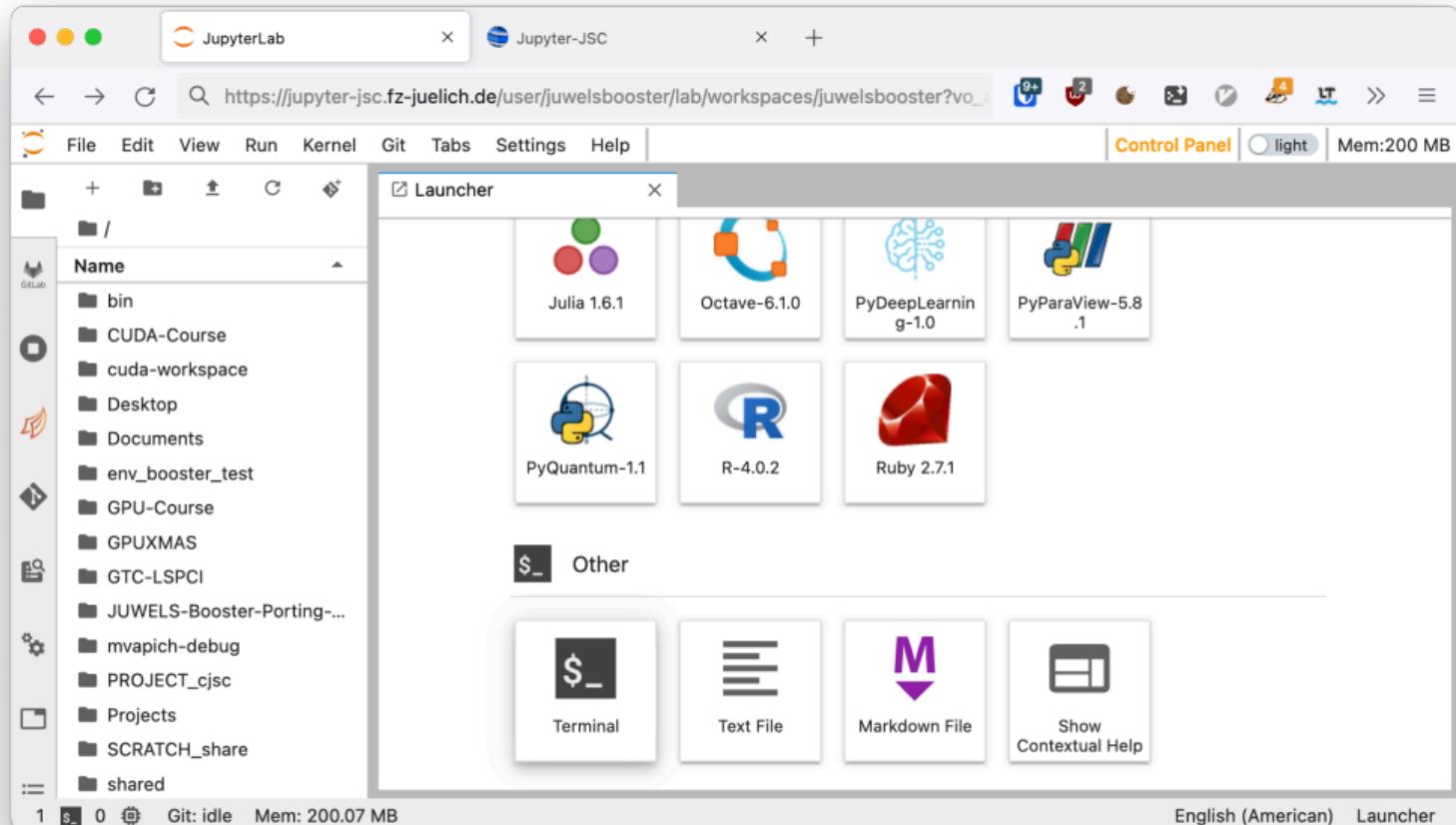
JupyterLab Options

Version	JupyterLab ▾
System	JUWELS ▾
Account	herten1 ▾
Project	training2125 ▾
Partition	LoginNodeBooster ▾

Start

Jupyter-JSC JUWELS JURECA JUSUF DEEP

HPC Cloud



The screenshot shows the JupyterLab interface running on a Mac OS X system. The title bar displays "JupyterLab" and "Jupyter-JSC". The left sidebar contains a file tree with the root directory "/". The main area is a terminal window titled "herten1@jwlogin23:~". The terminal output shows:

```
~ via M  
14:10:54 > source $PROJECT_training2125/env.sh
```

The bottom status bar indicates 2 tabs, 0 notebooks, Git: idle, and Mem: 207.80 MB. The top right corner shows the Control Panel with "light" selected and "Mem: 208 MB".