

JUWELS BOOSTER ONBOARDING SC TUTORIAL SESSION 1B

14 November 2022 | Andreas Herten | Jülich Supercomputing Centre, Forschungszentrum Jülich



 Everything listed on GitHub repo of tutorial:

go.fzj.de/sc22-mg-gh¹

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

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- Create JSC account at JuDoor
- Join training2232 project
- \rightarrow go.fzj.de/sc22-mg-jd
- 3 Accept usage agreement
- Wait 15 minutes <</p>
- 5 Access system via Jupyter 3.4
- \rightarrow jupyter-jsc.fz-juelich.de
- Source course environment in a Jupyter Shell \$ source \$PROJECT_training2232/env.sh
- 7 Gather course material \$ jsc-material-sync

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- We'll repeat the following steps in the first hands-on session

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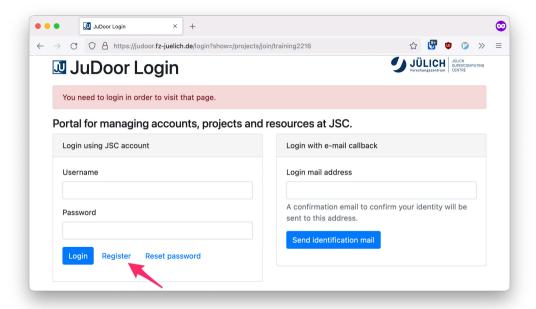
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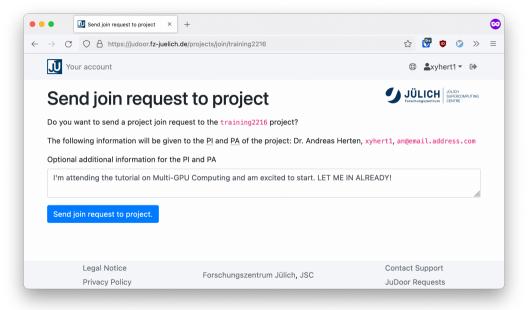
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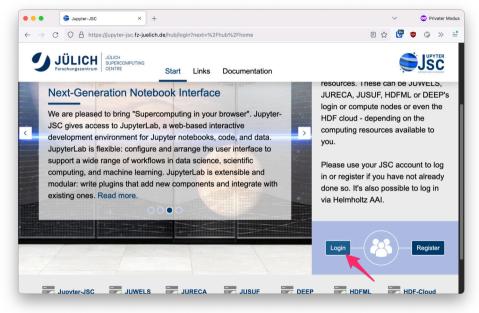
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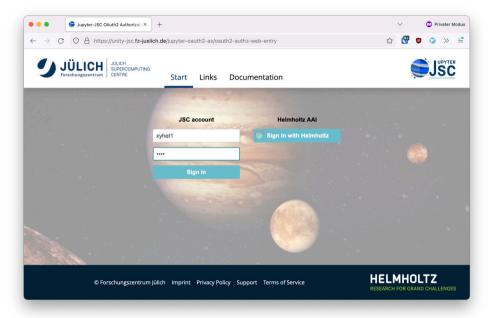
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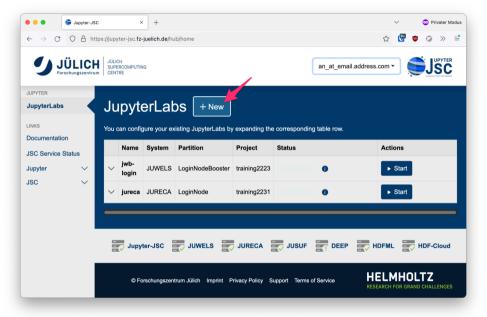


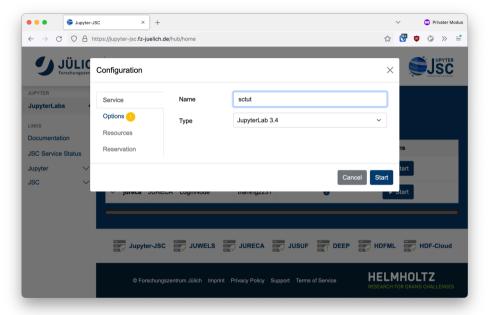


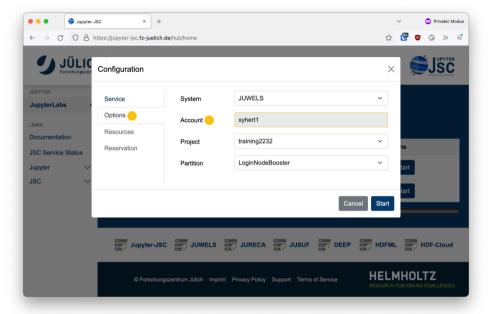


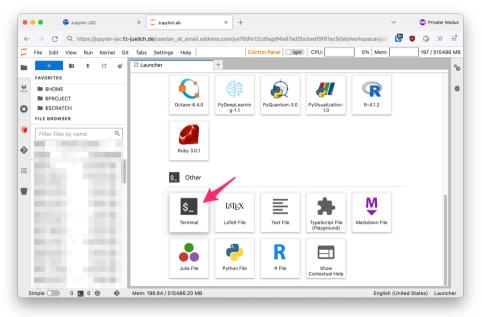


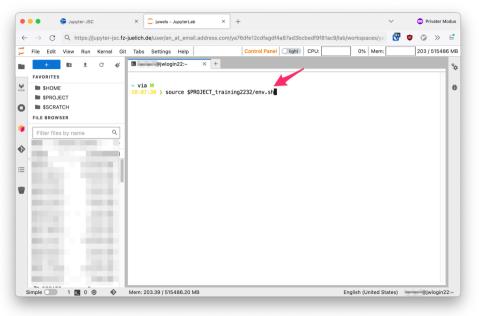


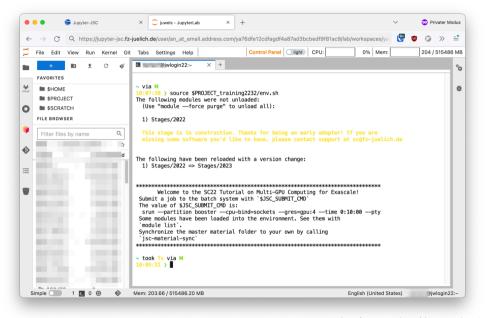












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Profiling Tools

- Extra Credits: Prepare for Profiling Session
- Download Nsight Systems now; install!
- → developer.nvidia.com/gameworksdownload#?dn=nsight-systems-2022-4
 - Also: Via package manager developer.download.nvidia.com/devtools/repos





SSH Login

- Login with SSH available
- We recommend Jupyter JSC: easier, more features
- Add SSH key via JuDoor to JUWELS Booster
- Important: from clause (limits connections to be from defined sources)
- Example
 from="140.221.247.0/24" ssh-ed25519 AddddACadsfzaC1lZDI1NTE5AAAAsa
- → SSH:ssh user1@juwelsbooster.fz-juelich.de
 - Help at apps.fz-juelich.de/jsc/hps/juwels/access.html



