

INTERACTIVE HPC WITH JUPYTERLAB

Training Course – Welcome Day 2

2024-04-22..23 I JENS HENRIK GÖBBERT HERWIG ZILKEN

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WELCOME

- Hello!
- Live document for this class
 - https://gitlab.jsc.fz-juelich.de/hedgedoc/3y3ppo_2Rq2ieO59LrBotg#
- Class repository
 - https://gitlab.jsc.fz-juelich.de/jupyter4jsc/training-2024.04-jupyter4hpc

















Project training2412



Project title Interactive High-Performance Computing with JupyterLab

Start date 01.04.2024
End date 31.05.2024
Resource class Training

Address Forschungszentrum Jülich GmbH

Wilhelm-Johnen-Straße

52428 Jülich Germany

Group name training2412

As Pl or PA of the project you are obliged to follow data protection regulations, in particular to maintain confidentiality. That means not to communicate or make data accessible to other persons without authorization by the data provider (even after the end of the project).

Active Budgets

Budget training2412 ②



The jutil tool on the systems can provide extended information about a budget.

Storage Quota

Storage on just



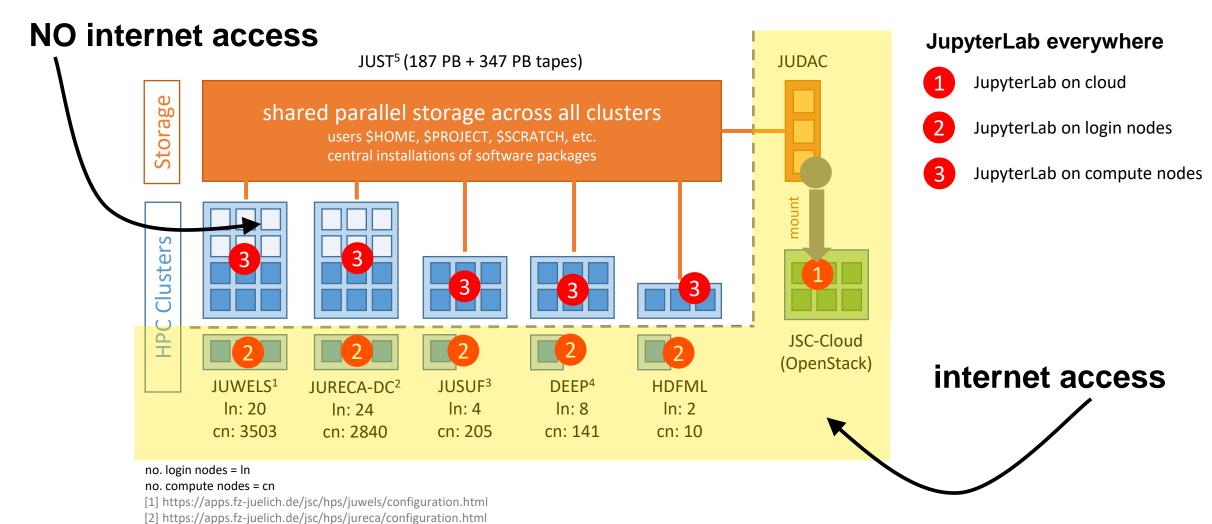


JUPYTERLAB EVERYWHERE

[3] https://apps.fz-juelich.de/jsc/hps/jusuf/configuration.html

[5] https://apps.fz-juelich.de/jsc/hps/just/configuration.html

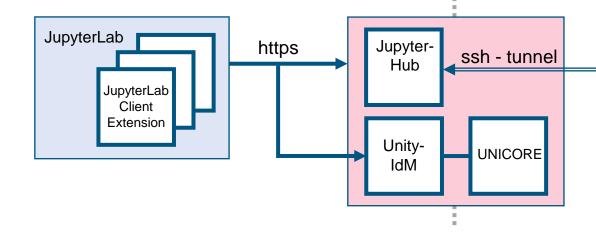
[4] https://www.fz-juelich.de/en/ias/jsc/systems/prototype-systems/deep_system









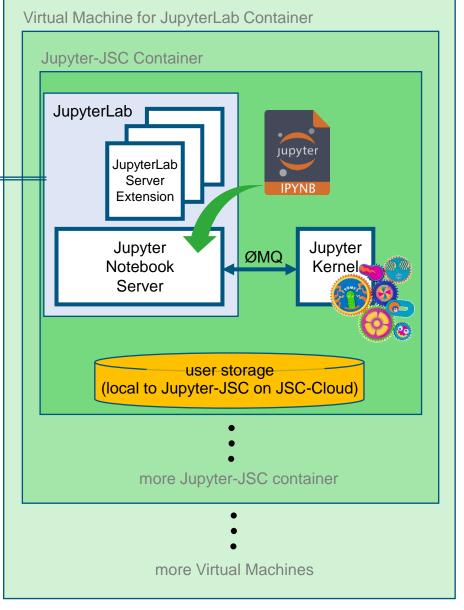


JSC-Cloud

Any user having

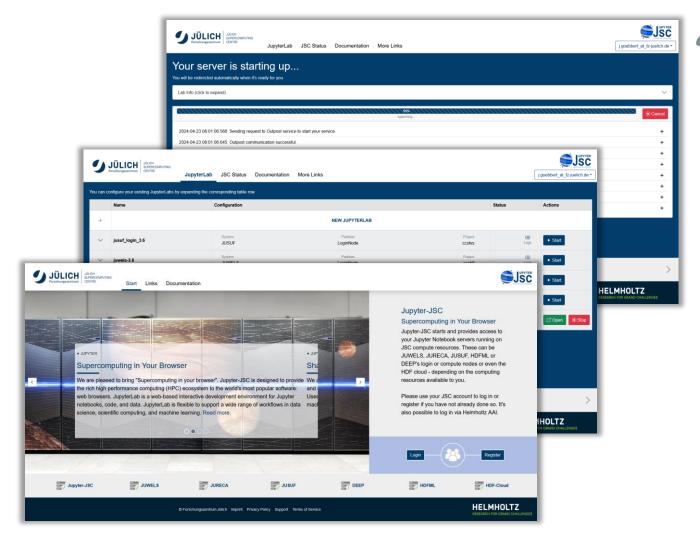
- a JSC account (judoor.fz-juelich.de)
- the Connected Service "jupyter-jsc" enabled (default for HPC accounts)
 can start
- Jupyter-JSC container images (containing JupyterLab) on the HDF-Cloud

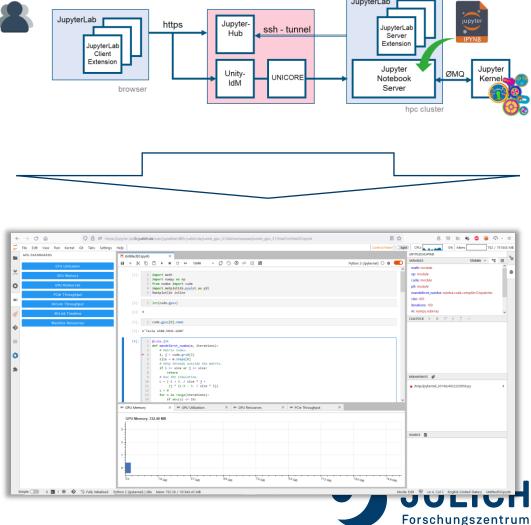
JSC-Cloud – OpenStack Cluster for running Virtual Machines



JUPYTER-JSC WEBSERVICE

Start your JupyterLab

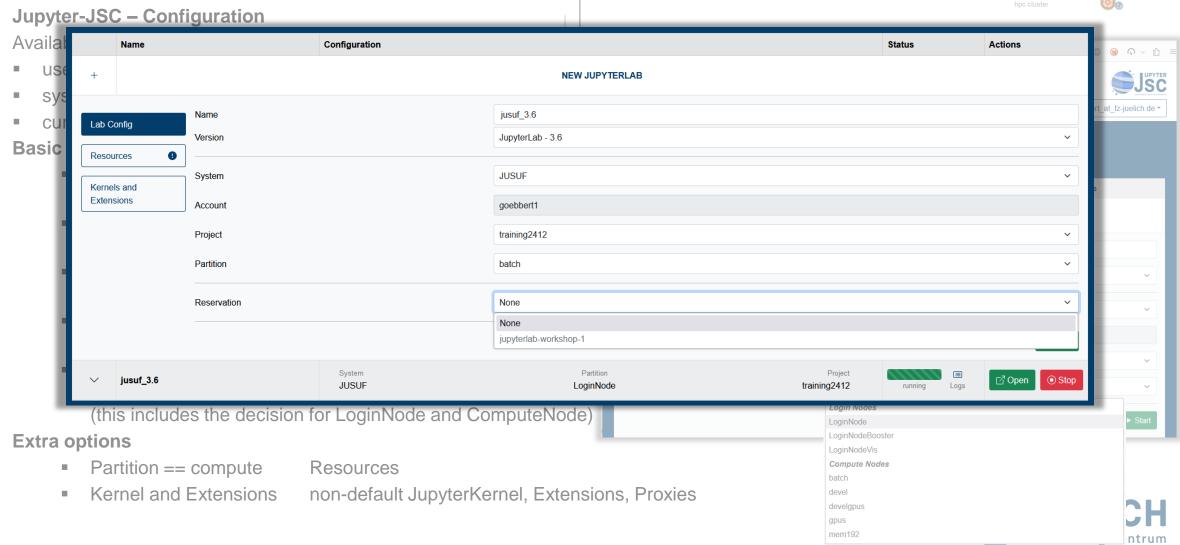




JUPYTER-JSC WEBSERVICE

JupyterLab JupyterLab JupyterLab Client Extension UnityIdM UNICORE Jupyter Jupyter Extension Jupyter MO Jupyter Notebook Server MO Jupyter Kernel Server

JupyterLab Configuration



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