



INTERACTIVE HCP WITH JUPYTER

PRACE Training Course

2021-04-20..22 | JENS. H. GÖBBERT
ALICE GROSCH

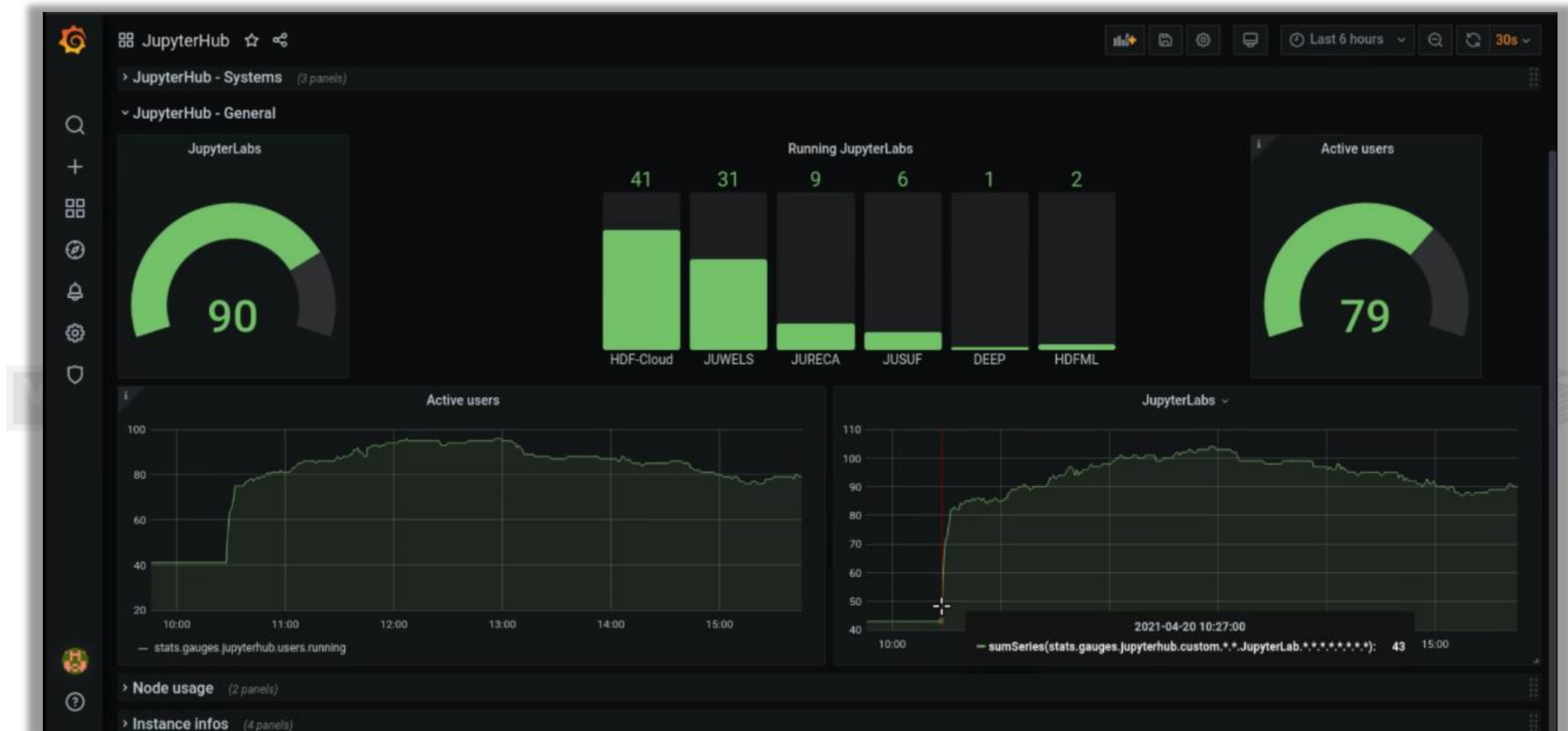
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WELCOME

- Hello !
- Workshop information (live document)
 - https://gitlab.version.fz-juelich.de/hedgedoc/2xL_vGsLQvyEwUg49sNAIA#
 - Added: Recording of day 1
 - https://zoom.us/rec/share/h4xvPo8LmzgFP3l5sT9_kyaQkHXmJOlivwSAE12B3VAyoFihRWBBMjcsTA4RYKva.C5vZNPk_VwpjUa12
 - Password: @9+wJt3L
- Workshop interaction
 - Zoom chat
- Workshop repository
 - <https://gitlab.version.fz-juelich.de/jupyter4jsc/prace-2021.04-jupyter4hpc>

<https://jupyter.org>

WELCOME



<https://jupyter.org>

Member of the Helmholtz Association

WELCOME

Agenda

• day 1: JupyterLab Introduction

- 9:00 - 11:00
 - Welcome and Login
 - Introducing JupyterLab
- 11:00 - 11:30
 - Break
- 11:30 - 13:00
 - JupyterLab extensions tour

• day 2: Jupyterlab Customization for HPC

- 9:00 - 11:00
 - Welcome and Login
 - JupyterLab on HPC resources
 - Customizing your environment
- 11:00 - 11:30
 - Break
- 11:30 - 13:00
 - Using JupyterLab as Proxy
 - Remote visualization

• day 3: JupyterLab Optimization for HPC

- 9:00 - 11:00
 - Welcome and Login
 - Utilizing supercomputers with JupyterLab
- 11:00 - 11:30
 - Break
- 11:30 - 13:00
 - Extend/build/install your own JupyterLab
 - Jupyter-JSC under the hood
 - Workshop summary and feedback

Resources:

HDF Cloud

JUSUF

F# JUWELS

<https://jupyter.org>

PRE-WORKSHOP TODOS

Register & Login

<https://judoor.fz-juelich.de>

Join the training project

Wait to get joined

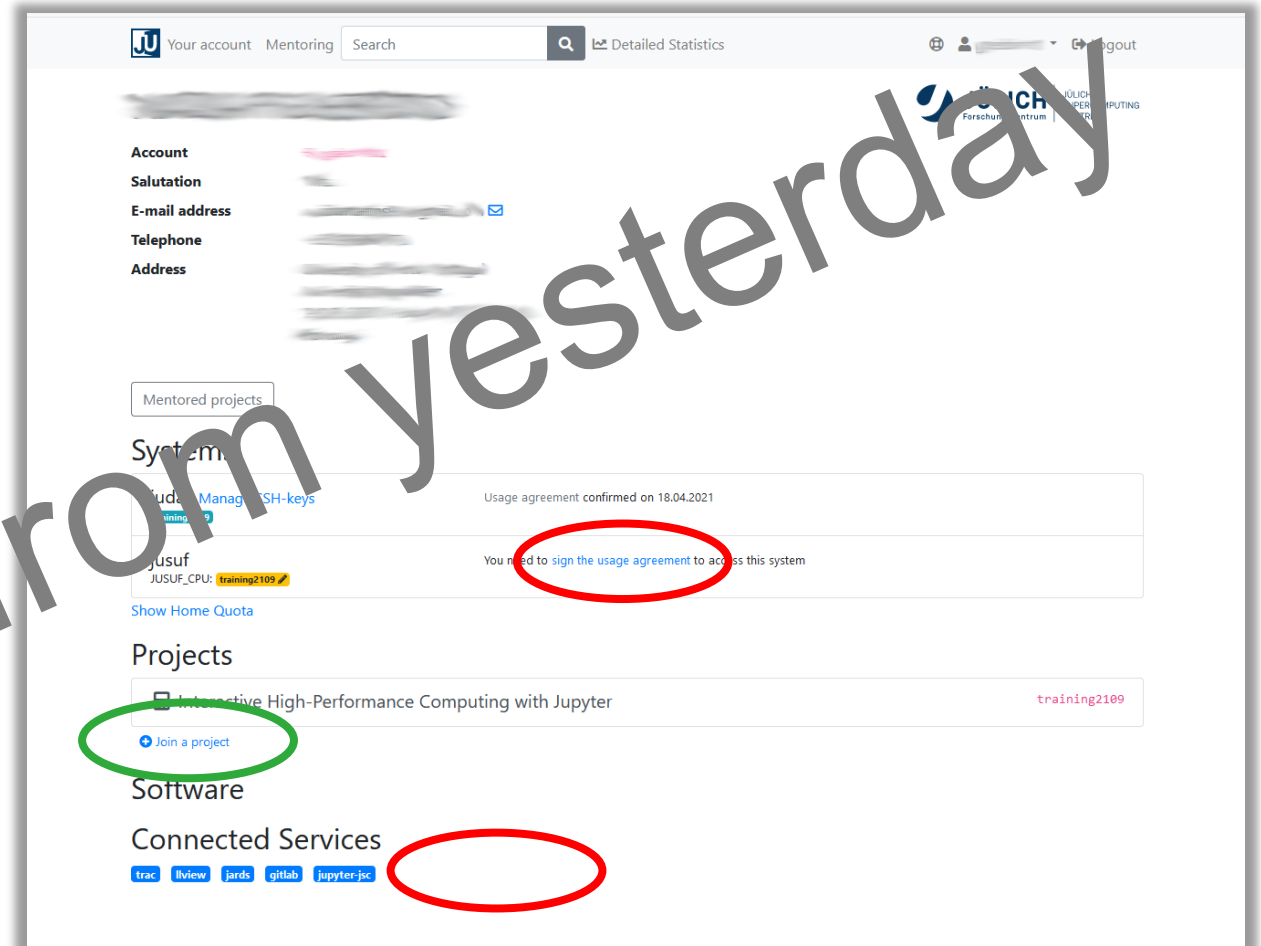
Sign usage agreement

→ Connected Services:

jupyter-jsc, uncore, HDFCloud

<https://jupyter.org>

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PRE-WORKSHOP TODOS

Login to

<https://jupyter-jsc.fz-juelich.de>

Ensure you are in the Group

workshop-210420

Name your JupyterLab

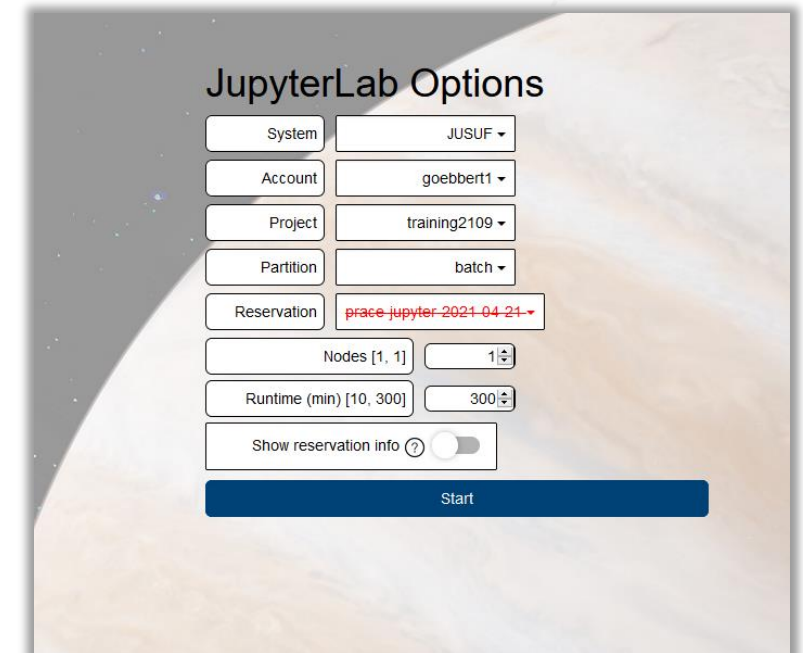
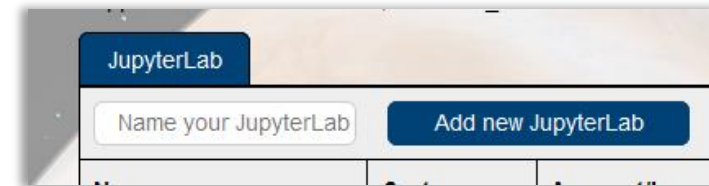
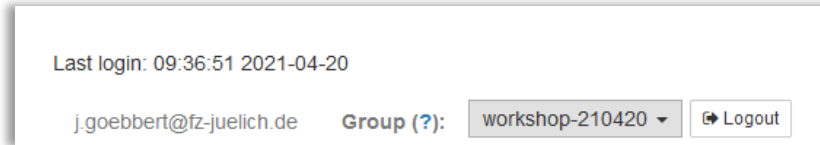
e.g. „JUSUF_batch“

Add new JupyterLab

Configure the new JupyterLab

Click „Start“

<https://jupyter.org>



Your server is starting up.

You will be redirected automatically when it's ready for you.

Request submitted to JUSUF for goebbert1:cjsc

Preparing environment on jsf101 ...

... port-forwarding established

... request-specific configuration generated

... disk quota in \$HOME checked

... modules loaded for JupyterCollection/2020.2.6

Starting JupyterLab. Waiting for an answer. This may take a few seconds.

Server ready at /user/j.goebbert@fz-juelich.de/jusuf_login/



Jupyter-JSC



JUWELS



JURECA



JUSUF



DEEP



HDFML



HDF-Cloud

