

# Intermediate Course 2023/10/17: Advanced HPC and Data Management Topics@KIT

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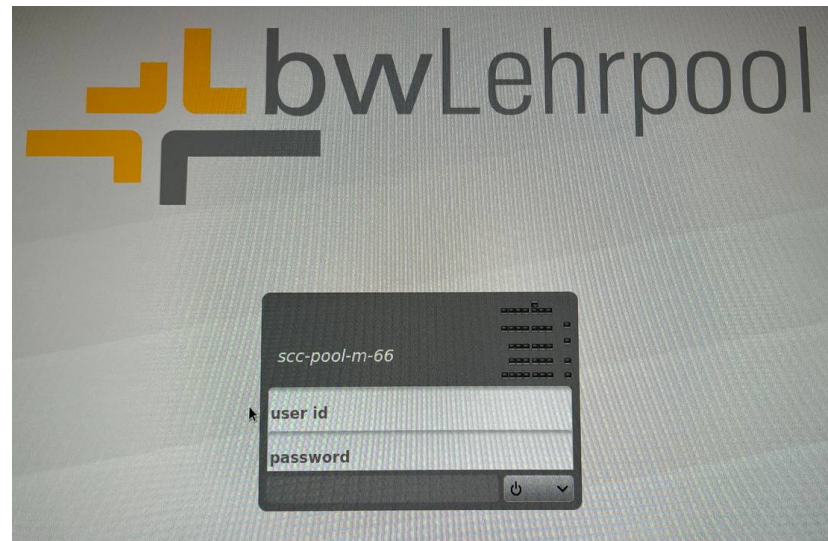
All KIT, SCC





# Access Pool Computers (1)

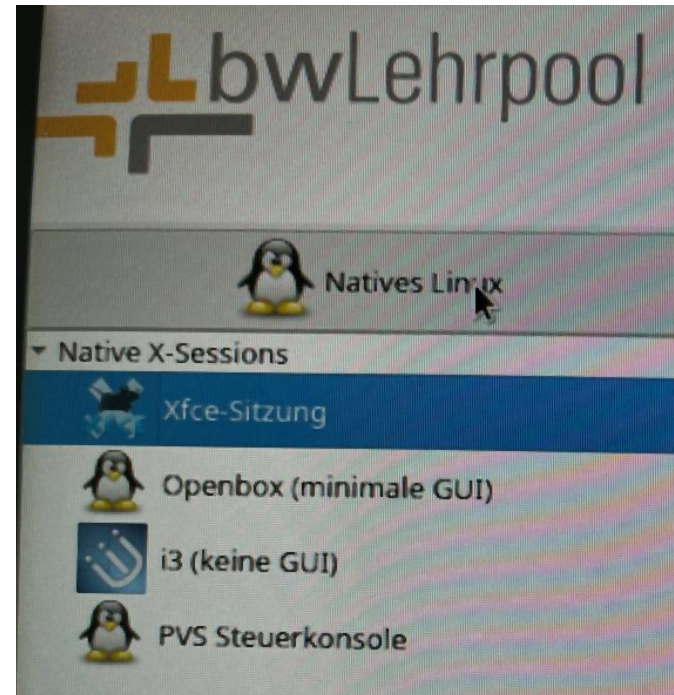
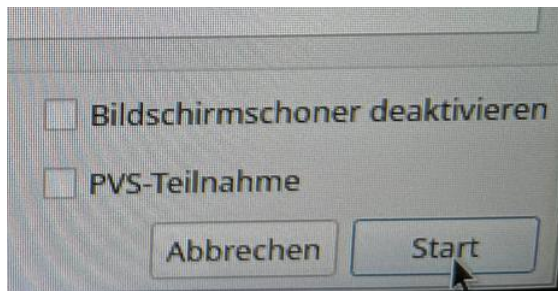
1. Reboot pool computer
2. Log in with your „User ID“ and home organization „password“
  - User ID = <university\_accountname@<email-domain>
    - e.g.: KIT: `xy1234@kit.edu`
    - e.g.: Uni Stuttgart `ac123456@uni-stuttgart.de`



# Access Pool Computers (2)

3. Choose „Natives Linux“
4. Choose from „Native X-Sessions“:
  - „Xfce-Sitzung“

## 5. Start Session



# Where to get the slides and exercises?

■ [https://indico.scc.kit.edu/indico/e/hpc\\_course\\_2023-10-17](https://indico.scc.kit.edu/indico/e/hpc_course_2023-10-17)

bwUniCluster: /opt/bwhpc/common/workshops/2023-10-17

HoreKa: /software/all/workshops/2023-10-17

- exercises
- slides

Overview

Agenda

Registration

Contact

✉ [courses@bwhpc.de](mailto:courses@bwhpc.de)

Das Steinbuch Centre for High-Performance Computing (HPC) is a joint venture of the Steinbuch Institute for High-Performance Computing (SIHPC) and the Steinbuch Institute for Data Analysis in Physics (SIDAP). The course is part of the bwForCluster project and is aimed at providing information about advanced HPC systems and their use in scientific computing. The course will cover topics such as HPC architectures, programming models, and data management. No prior experience is required.

The Steinbuch Centre for High-Performance Computing (HPC) Performance Computing course is aimed at providing information about advanced HPC systems and their use in scientific computing. The course will cover topics such as HPC architectures, programming models, and data management. No prior experience is required.

Starts 21 Oct 2023  
Ends 21 Oct 2023  
Europe/Berlin

exercises

slides

# Course Agenda – October 17<sup>th</sup> 2023

09:30	→ 10:50	<b>Advanced Bash Scripting + Exercises</b>
10:50	→ 11:00	Break
11:00	→ 12:30	<b>Advanced Job Scripting + Exercises</b>
12:30	→ 13:30	Lunch Break
13:30	→ 14:30	<b>Adv. topics - Usage of bwHPC &amp; HoreKa clusters</b>
14:30	→ 14:45	Break
14:45	→ 16:00	<b>Batch system: Best Practices (incl. parallel jobs)</b>