

Introductory Course 2023/03/29: HPC and Data Management @KIT

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All KIT, SCC



Before Starting:

- List of attendance:
 - Write your name, university and sign it
 - Entitlement of bwUniCluster → no **or** Access to HoreKa → no
 - Write under „Notes“: „no access“

Before Leaving:

- Please fill the evaluation form:

The image shows a screenshot of an online evaluation form titled "EvaluSys" for the "HPC in Baden-Württemberg" course. The form is for "Dr. Robert Barthel" and is an "Introductory Course 2023/24". It includes a header with logos for "einibuch Centre for Computing", "KIT", and "Fraunhofer Institut für Technologie". The form contains two main sections for rating "lectures for beginners" and "tutorials for beginners" on a scale from "very good" to "very bad". Below these are sections for "General Commentaries" with text input fields, "Organisation" with checkboxes for registration, service, coffee break, and information sources, and "For our statistics, we need some more information" with checkboxes for affiliation type (student or employee).

Access Pool Computers (1)

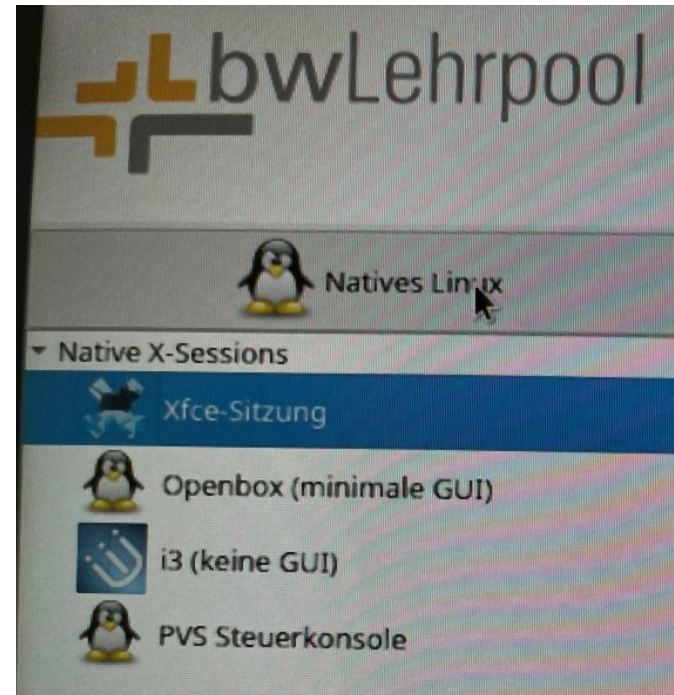
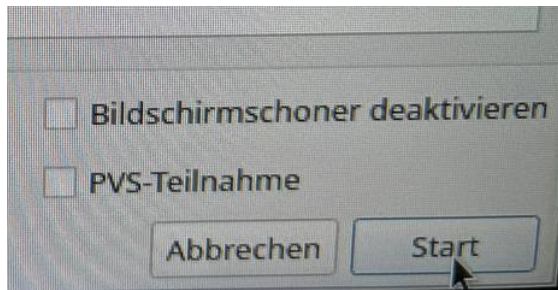
1. Reboot pool computer
2. Log in with your „User ID“ and home organization „password“
 - User ID = <university_accountname@<email-domain>
 - e.g.: KIT: `xy1234@kit.edu`
 - e.g.: Uni Stuttgart `ac123456@uni-stuttgart.de`



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_2023-03-29

bwUniCluster: /opt/bwhpc/common/workshops/2023-03-29

HoreKa: /software/all/workshops/2023-03-29

- exercises
- slides

The screenshot shows the Indico course page. On the left is a navigation menu with 'Overview', 'Agenda', 'Registration', 'Contact', and 'courses@bwhpc.de'. The main content area contains German and English text about the Steinbuch Centre for High-Performance Computing. At the bottom right, there is a clock icon with 'Starts 21 Oct 2023' and 'Ends 21 Oct 2023', and a list of folders: 'exercises' and 'slides'. A black arrow points from the URL to the top of the page. Two red arrows point from the 'exercises' and 'slides' items in the list to the corresponding folders in the screenshot.

Course Agenda - March 29th 2023

09:30	→ 10:00	bwHPC & NHR: Concept, Infrastructure and Support
10:00	→ 10:45	Access procedure: bwUniCluster 2.0, HoreKa, bwForClusters (JUSTUS 2, Helix, NEMO, BinAC) incl. exercises
10:45	→ 11:00	Break
11:00	→ 12:00	Linux Introduction (CLI, Editors, etc): Linux introduction + Permissions
12:00	→ 13:15	Lunch Break
13:15	→ 13:50	Software Modules: UC2+HK
13:50	→ 13:55	Break
13:55	→ 15:10	Batch system introduction + Architecture incl. Exercise
15:10	→ 15:20	Break
15:20	→ 16:00	File systems