BinAC 2 Training

Linux basics and working on the cluster

Instructors: Felix Bartusch, Stefan Behnle, Christian Krüger

Date: Monday, 16 November 2026 or Wednesday, 18 November 2026

Place: Room N13, University of Tübingen, and online

EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



BinAC 2

Organizational details

- **Material:** slides, examples and solutions on BinAC 2

  `/pfs/10/project/training_material`

- **Commands from the session:** [shared notes link]

Schedule

Time	What	Break
09:00 to 12:00	**Part 1:** Linux basics	around 10:30
12:00 to 13:00	Lunch	
13:00 to 17:00	**Part 2:** Working on BinAC 2	around 15:30

How we work today

- Try everything yourself on BinAC 2 while we go along
- Ask questions at any time: there are no stupid questions
- Mistakes are expected, error messages are part of learning

On site

🟩 Green sticky note: done

🟥 Red sticky note: I need help

A helper will come to you

Online (BigBlueButton)

Mute your microphone

👍 Done: reaction

✋ Need help or a question: raise your hand

Or write in the chat: a helper always watches it

Before we start

0. Make sure you are in a university network
1. Log in to BinAC 2 (login guide):
   ```
   ssh USERNAME@login.binac2.uni-tuebingen.de
   ```
2. Run `hostname`
3. Done? 🟩 Green sticky note, or 👍 in BigBlueButton
   Problems? 🟥 Red sticky note, or ✋ raise your hand

Problems with login or 2FA? Tell us now, so we can fix it in the first break.

bwHPC: computing in Baden-Württemberg

bwHPC

- Joint state concept for HPC
- Services provided according to demand
- Targeted support for researchers and students

More: www.bwhpc.de



BinAC 2: Bioinformatics, Astrophysics, Geosciences, Pharmacy, and Medical Informatics.

Please acknowledge BinAC 2

State and DFG funding pay for hardware and support. Please add to your publications:

> The authors acknowledge support by the High Performance and Cloud Computing Group at the Zentrum für Datenverarbeitung of the University of Tübingen, the state of Baden-Württemberg through bwHPC and the German Research Foundation (DFG) for funding under "Project number 455787709" (bwForCluster BinAC 2)

Copy the text from the BinAC 2 wiki: wiki.bwhpc.de

Success stories: show what you did on BinAC 2

Did you get a good publication or an interesting result with BinAC 2?

- Tell us, and write a short report for the bwHPC website
- Guidelines and submission: bwhpc.de/project_report.php
  Send the report to `publications@bwhpc.de`
- Examples: bwhpc.de/success_stories.php

Why this matters to you: success stories and publications are key figures for our funding. High numbers help to finance future hardware and support.

Tiger Teams: intensive support for your project

When a problem needs more than a quick answer:

- Getting complex code to run on the cluster
- Optimizing or parallelizing software
- Building a workflow for your analysis

One of us works on it **together with your group**, often for several days.

How to ask: Create a ticket, describe your goal and what you have tried.

Tiger Team projects are also key figures for our funding: asking for one helps you **and** BinAC 2.