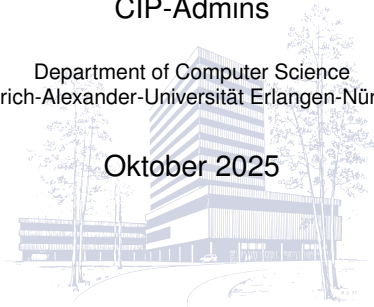


Computer Science CIP-Pool

CIP-Admins

Department of Computer Science
Friedrich-Alexander-Universität Erlangen-Nürnberg

Oktober 2025



Overview

- 1 Introduction
- 2 Working at the CIP-Pool
- 3 Behavior in the CIP-Pools
- 4 Door lock system
- 5 Problems, Questions, ...

„CIP-Pool“

Where does the name come from?

- originally: initiative with the name „**C**omputer-**I**nterestment-**P**rogramm“ started by Federal Government and Länder (states) in order to finance computer systems for educational purposes
- nowadays: general name for computer rooms at universities

CIP-Admins

Who are we?

- Students
- Assistants at the Department of Computer Science

CIP-Admins

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- Students
- Assistants at the Department of Computer Science

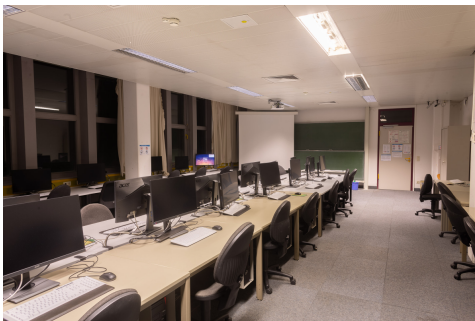
Responsible for...

- Hard- and software at the CIP-Pools
- Door lock system
- GitLab
- End user support
- Usage guidelines

CIP-Pools at the Department of Computer Science

tl;dr

- 8 rooms
- over 250 computer workstations
- Debian GNU/Linux
- 3 printers/scanners (one color printer)



Overview

1 Introduction

2 Working at the CIP-Pool

- Login-Name und Passwort
- Working directories
- Email
- Printing
- Remote login
- Software
- AI
- Gitlab

3 Behavior in the CIP-Pools

4 Door lock system

Login-Name und Passwort

Login-Name



FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

FAUcard

**Manuela
Mustermann**

Matrikel-Nr. 123456789ABC

Gültig: 01.10.2011-31.03.2012
Valid: 11/10/01-12/03/11
Benutzerkennung: xy12abcd

STUDIERENDENAUSWEIS / STUDENT IDENTITY CARD

Login and password

You get a user account at the Department CS CIP-Pools independent from your RRZE-Account (IdM, campo, ...).

Getting access (local)

- Clicking on **Account Registration** at any CIP computer
- Enter your personal information
- Wait

Getting access (online)

- People might not be able to be on site
- Online registration is possible
⇒ `at account.cip.cs.fau.de`

Home directory

There's no place like \$HOME

- Primary working directory: (/home/cip/<year>/<login>)
- Limited storage space: 8 GB
- Backed up every night

Temporary storage space

/proj/ciptmp

- Create personal directory (/proj/ciptmp/<login>)
- Quota: 16 GB soft- and 25 GB hard-quota (up to one week)
- Read the README: /proj/ciptmp/README
- **No backup!**

Email

Email address

- <login>@cip.informatik.uni-erlangen.de
- <login>@cip.cs.fau.de
- Mails are forwarded to your @fau.de address by default

Printing

Printer account

- **Top up credit: Any RRZE Helpdesk**
(www.rrze.fau.de/infocenter/kontakt-hilfe/service-theken/)
- **Check credit and print job status:** `fauprint.rrze.fau.de`

Remote login

Login via SSH

- Possible on all CIP-Clients
- Naming scheme: `cip???.cip.cs.fau.de`
- E.g. `cip4a0.cip.cs.fau.de` or `cipterm0.cip.cs.fau.de`
- „always-online“ on our website^a
- `ssh`-command at the command line
(if not available under Windows: PuTTY, WSL, Cygwin)

^awww.cip.cs.fau.de/documentation/services.en.html

Graphical login via Xpra

- Tutorial on our website^a

^awww.cip.informatik.uni-erlangen.de/documentation/xpra.en.html

AI specifics

IMPORTANT!

- don't train your models in \$HOME!
- don't train your models in /proj/ciptmp!

AI specifics

IMPORTANT!

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Where then?

- /tmp or /var/tmp

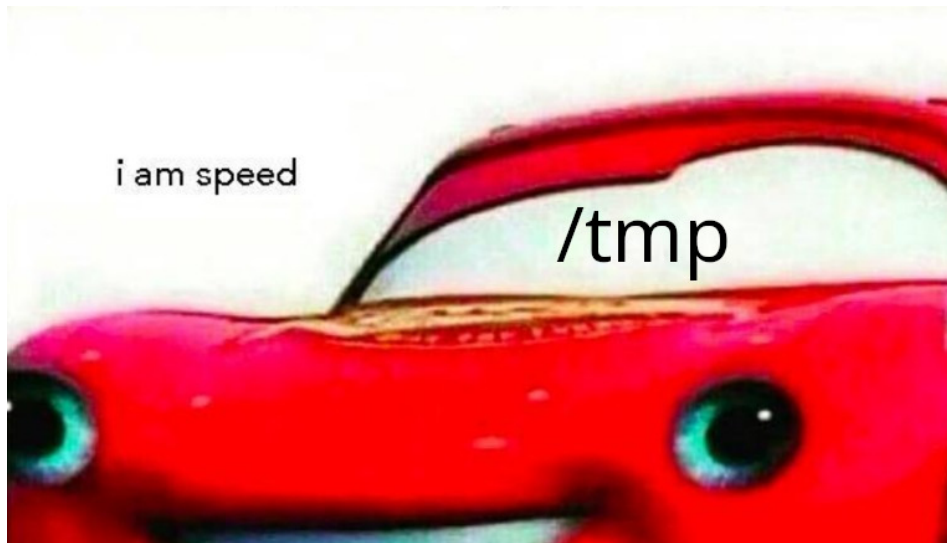
Why?

- Storage space and above all SPEED!

Warning!

- /tmp and /var/tmp are emptied regularly!

So remember the following!



Gitlab

`https://gitlab.cs.fau.de`

Dos

- use for university projects
- collaborate with fellow students

Don'ts

- upload non-code data (BLOBs)

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 - Usage guidelines
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Usage guidelines

Most important points

- Do not install any software
- No abusive activity (Filesharing, etc.)

The complete guidelines can be found at
www.cip.cs.fau.de/cipPools/rules

You agree to our usage guidelines by logging into one of our systems

Behavior in the CIP-Pools

- No food or drinks (except water)
- Keep the workplace clean
- Be quiet
- **Have consideration for others**

No manipulation of the hardware

Exceptions

- Turn on computers that are powered off
- Plug in USB sticks

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Opening hours of the CIP-Pools

Access with your student card

- Gain access via IDM. activate (*Door Access - Computer Science Tower*)
- Card will be active after about one hour
- Don't keep doors open manually
- Do not open doors for other people

Opening hours

At least from Monday to Friday 8:00 - 20:00

More details www.cip.cs.fau.de/cipPools/roomIndex.de.html

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Consultation hours and contact

Consultation hour

week 1 Monday at 2 pm & Friday at 11 am in CIP1 (01.155-113, first floor in the blue tower)

rest of semester according to notice & website

Information, Contact

web `wwwcip.cs.fau.de`

mail `problems@cip.cs.fau.de`