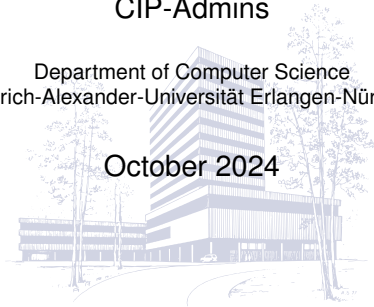


Computer Science CIP-Pool

CIP-Admins

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

October 2024



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**vestment-**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

Who are we?

- Students
- Assistants at the Department of Computer Science

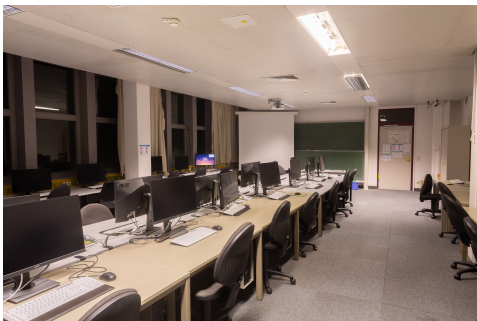
Responsible for...

- 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)

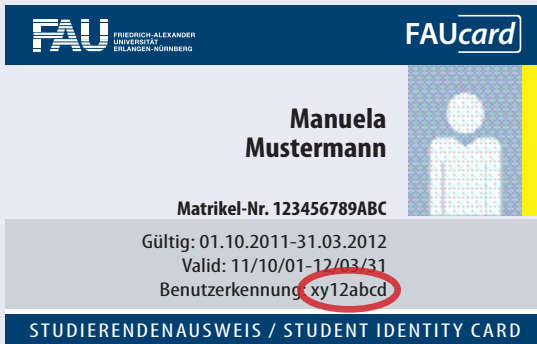


Overview

- 1 Introduction
- 2 Working at the CIP-Pool
 - Login-Name und Passwort
 - Working directories
 - Email
 - Printing
 - Remote login
 - Software
 - AI
- 3 Behavior in the CIP-Pools
- 4 Door lock system

Login-Name und Passwort

Login-Name



The image shows a FAUcard student identity card. At the top left is the FAU logo (FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG). At the top right is the FAUcard logo. The cardholder's name, **Manuela Mustermann**, is printed in the center. To the right of the name is a placeholder for a photo, represented by a grid of dots and a yellow vertical bar. Below the name is the **Matrikel-Nr. 123456789ABC**. A grey box contains the validity dates: **Gültig: 01.10.2011-31.03.2012** and **Valid: 11/10/01-12/03/31**. Below this, the **Benutzerkennung** (username) is listed as **xy12abcd**, which is circled in red. At the bottom, a dark blue bar contains the text **STUDIERENDENAUSWEIS / STUDENT IDENTITY CARD**.

FAU FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

FAUcard

**Manuela
Mustermann**

Matrikel-Nr. 123456789ABC

Gültig: 01.10.2011-31.03.2012
Valid: 11/10/01-12/03/31

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: 4 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)

^awwwcip.cs.fau.de/documentation/services.en.html

Graphical login via Xpra

- Tutorial on our website^a

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

Advanced search for software

Possibilities

- apt search
- module available

loadable modules

```

amccardo -> python/amccardo-2019.07  main -> newick0.10.1  Global Aliases
dev -> intelli1j-1d4d/2024.1.2  python -> python-community/2024.1.1  01 -> quack01.05
[intelli] -> intelli1j-1d4d/2024.1.2  python -> python/amccardo-2019.07  vlookup -> xilinx/vlookup/2023.2

-----
#local/load
amccardo/0.11.0  @jplim-newick120231108 (D)  netbeans/7.0  python/amccardo-2019.07 (D)  xilinx/latest
amccardo/0.11.0test  @new/3.1  newerr/4.0  python/amccardo-2023.10  xilinx/2023.10
amccardo-studio/3.0.1  @eclipse/4.2-adt  newerr/1.1.1  python/amccardo-2023.05  virtualgl/0.2
amccardo-studio/3.5.2  @eclipse/4.2-coderwin  newerr/typo-compiler/24.3  python/amccardo-2023.05  virtualgl/1.1 (D)
amccardo-studio/2023.1.3.1R (D)  @eclipse/4.2.1-jee  newerr/typo-compiler/24.3  python/amccardo-2023.05  vls/2.12.2
mkaj/1.60  @eclipse/2023.04  newerr/typo-cdb/2/24.3  python/amccardo-2024.07  vscode/1.31.1
pylogic/pl080/5.1  @eclipse/2023.04 (D)  newerr/typo/24.3  python/CAC  vscode/1.81.2
pylogic/pl080/3.7 (D)  @new/3/0.4  newerr/typo/24.3  python/CAC  vscode/1.81.1
pylogic/R.0.1  @newerr/3.0.1  newerr/typo/24.3  python/RSU_V1  vscode/1.74.1 (D)
pylogic/R.0.4  @newerr/3.0.1  newerr/24  python/CAC  vls/0.20.0  vscode/1.74.0
pylogic/R.0.5 (D)  @newerr/24.1.2  newerr/4.1R.0  quack01.05  newerr-pack/0.12.1
space-novena/3  @newerr/20.4.100  newerr/4.1R.0  xilinx/latest  newerr/22080-1rev1
xilinx/30 (D)  @newerr/22.0.100 (D)  newerr/v0.0.5 (D)  zandros/0.2 (D)  mylib/08
xilinx/30  @newerr/22.0.100  newerr/v2.4.11  xilinx/0.1.406  xilinx-use/23.41
xilinx/rf/1.2 (D)  @newerr/2.1.0-cdb  @xilinx/2022.02.2-485  xilinx/2022.02.2-485  xilinx/hscc/0efault
xilinx/rf/2.1  @gcc/6.5.0  @xilinx/2023.12.1-440 (D)  xilinx/hscc/2019.1  xilinx/hscc/0efault
xilinx/rf/3.0.2  @gcc/7.4.0  @openfpga/4.1  just/1.59.0  xilinx/hscc/2023.2  xilinx/hscc/2023.2
xilinx/rf/3.0.5  @gcc/7.4.0  @openfpga/8  just/1.72.0  xilinx/mem2-composer/2023.1  xilinx/mem2-composer/2023.1
xilinx/rf/4.0.1  @ghidra/9.1.1  @openfpga/16  just/1.91.0 (D)  xilinx/mem2-composer/2023.2  xilinx/mem2-composer/2023.2
xilinx/rf/4.2.0  @ghidra/9.1.4  @oprecc/1/0  @sagegit/20230814  xilinx/utlis-hls/2022.1  xilinx/utlis-hls/2022.1
xilinx/rf/4.2  (D)  @ghidra/9.1.4  @oprecc/1/0073104 (D)  xilinx/utlis-hls/2023.2  xilinx/utlis/2022.1
xilinx/3  @intelli1j-1d4d/2023.2.5  @oprecc/1/0.4.2  @salome-meca/2018.8.1  xilinx/vscode/2022.1  xilinx/vscode/2022.1
xilinx/0  @intelli1j-1d4d/2024.1.2 (D)  @oprecc/1/0.4.5  @abi/abi/1.0.2  xilinx/vscode/2022.1  xilinx/vscode/2022.1
xilinx/rf/30.0  @hald/1/2023-03  @oprecc/1/0.4.0 (D)  @scal2/13.1  @xilinx/rf/4.0.X  xilinx/vscode/2022.1
xilinx/rf/2.47.4  @large/14.0.0  @papyrus/6.4.0.4  @scal2/3.1  @xilinx/rf/4.0.X  xilinx/vscode/2022.1
xilinx/15.0.0  @newlib/2024  @papyrus/6.6.0 (D)  @scal2/3.1  @xilinx/rf/4.0.X  xilinx/vscode/2022.1
xilinx/2021  @newlib/2024  @papyrus/6.6.0  @simonvolter/2023-03-31  @xilinx/rf/4.0.X  xilinx/vscode/2022.1
xilinx/2023.2.2  @python-community/2023.02  @newerr/3/2.0  @xilinx/rf/4.0  @xilinx/rf/4.0.1  @xilinx/rf/4.0.X
xilinx/2024.1.2  @newerr/0.7.2  @python-launcher/0.0  @famez/1.0.3  @yosys-01/2021.02.22  @yosys-01/2021.02.22
xilinx/0  @newerr/0.3  @python-launcher/0.0  @famez/1.0.3  @yosys-01/2021.02.22  @yosys-01/2021.02.22
xilinx/5.0  @newerr/0.9.0  @python-launcher/0.0  @famez/1.0.3  @yosys-01/2021.02.22  @yosys-01/2021.02.22
xilinx/12.0  @newerr/0.9.1  @python-launcher/latest  @typo/11.1  @yosys-01/2021.02.22  @yosys-01/2021.02.22
xilinx/2.001.1  @newerr/0.9.4  @python-community/2024.1.3 (D)  @unifont/complf  @unifont/2.00  @yosys-01/2021.02.22  @yosys-01/2021.02.22
xilinx/0.30.0  @newerr/0.30.0  @python/2.7.18  @unifont/2.00  @yosys-01/2021.02.22  @yosys-01/2021.02.22
xilinx/0.30.3  @newerr/0.30.3 (D)  @python/amccardo-2019.03  @unifont/2.01  @yosys-01/2021.02.22  @yosys-01/2021.02.22
-----
/usr/share/lsad/lsad/modulefiles
use/lsad Com/lsadtag (D)

```

Behaviors for AI students

IMPORTANT!

- NO TRAINING OF MODELS IN \$HOME!
- NO TRAINING OF MODELS IN /proj/ciptmp!

Where then?

- /tmp or /var/tmp

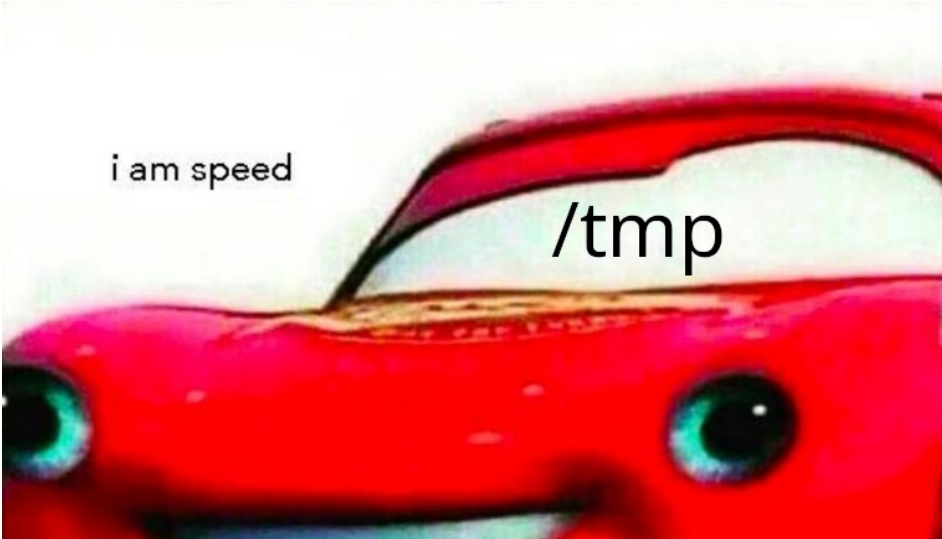
Why?

- Storage space and above all SPEED!

Warning!

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

So remember the following!



i am speed

/tmp

Overview

- 1 Introduction
- 2 Working at the CIP-Pool
- 3 Behavior in the CIP-Pools**
 - Usage guidelines
 - Behavior in the CIP-Pools
- 4 Door lock system
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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
wwwcip.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 wwwcip.cs.fau.de/cipPools/roomIndex.de.html

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Consultation hours and contact

Consultation hour

week 1 Tuesday at 13:00 & Thursday at 13:30 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 Look at our Homepage