Accounts

at TU Darmstadt

Online Participants

d120.de/questions

HRZ & ISP

- **H**ochschul**r**echen**z**entrum
  - HRZ for short
  - University-wide services (Wi-Fi, VPN, …)
- **I**nfrastruktur und **s**tudentischer **P**oolservice
  - ISP for short
  - Formerly known as Rechnerbetriebsgruppe (RBG)
  - Department-specific services (Pools, SSH, …)

Accounts

- Two Accounts for every computer science student
  - HRZ and ISP
- Same username
  - TU-ID (Schema `xy42juhu`)
- But different passwords
- For a more-or-less complete guide, visit [d120.de/acc-en](d120.de/acc-en)

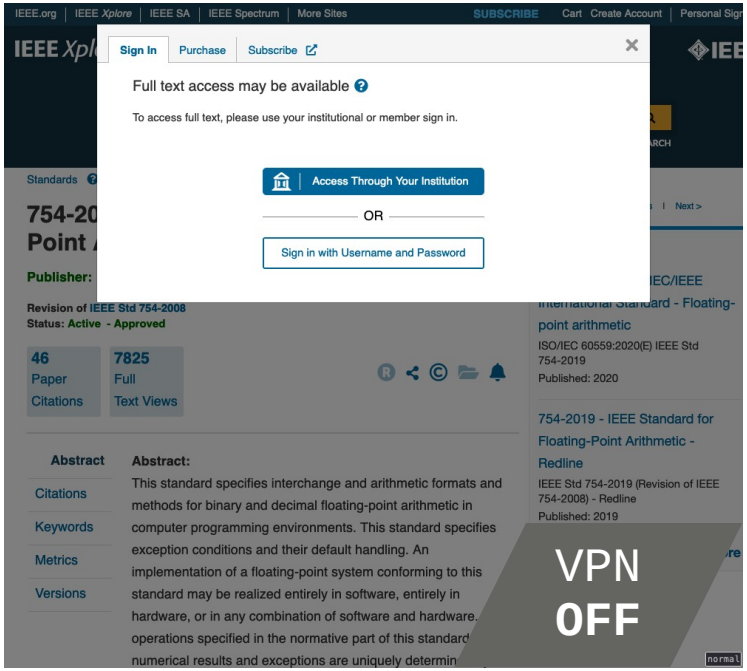
Email

- Two Email addresses per student
- HRZ Email:
  - vorname.nachname@stud.tu-darmstadt.de
- ISP Email: (still uses RBG Domain)
  - TU-ID@rbg.informatik.tu-darmstadt.de
- Retrieval: see guide at d120.de/acc-en

Wi-Fi

- **eduroam**
- WPA2-Enterprise Authentication
- HRZ login credentials
- Works internationally at cooperating institutions
- See also: d120.de/ophase

VPN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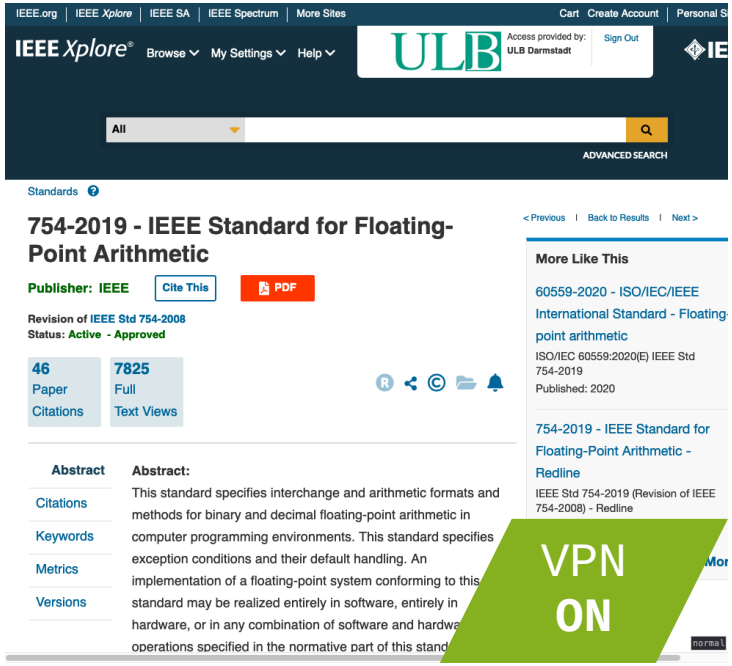
Standards
754-2019 - IEEE Standard for Floating-Point Arithmetic
Publisher: IEEE
Revision of IEEE Std 754-2008
Status: Active - Approved
46 Paper Citations
7825 Full Text Views
Abstract
Citations
Keywords
Metrics
Versions
Abstract:
This standard specifies interchange and arithmetic formats and methods for binary and decimal floating-point arithmetic in computer programming environments. This standard specifies exception conditions and their default handling. An implementation of a floating-point system conforming to this standard may be realized entirely in software, entirely in hardware, or in any combination of software and hardware. operations specified in the normative part of this standard numerical results and exceptions are uniquely determin
754-2019 - IEEE Standard for Floating-Point Arithmetic - Redline
IEEE Std 754-2019 (Revision of IEEE 754-2008) - Redline
Published: 2019
VPN
OFF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operations specified in the normative part of this stand
More Like This
60559-2020 - ISO/IEC/IEEE International Standard - Floating-point arithmetic
ISO/IEC 60559:2020(E) IEEE Std 754-2019
Published: 2020
754-2019 - IEEE Standard for Floating-Point Arithmetic - Redline
IEEE Std 754-2019 (Revision of IEEE 754-2008) - Redline
VPN
ON

VPN

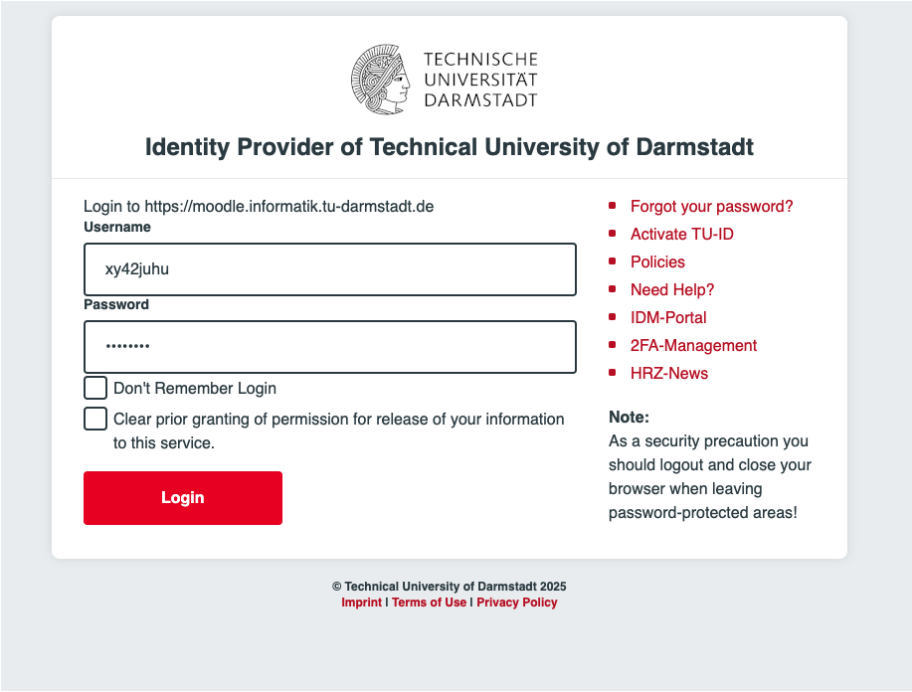
- **V**irtual **P**rivate **N**etwork
  - Enables routing traffic via the university
  - Useful as some sites are only available from inside the university (ULB, ...)
- Two profiles:
  - **campus**: route all traffic through the VPN
  - **extern**: route only university-internal traffic through the VPN
- Setup guide at https://www.hrz.tu-darmstadt.de/vpn

Athena Card

- Used for
  - Cashless payment in the canteens and bistros
  - ID for ULB
- Top up
  - With cash or bank card at the machines in the canteen
  - With bank card at the ULB
- Application guide: https://www.hrz.tu-darmstadt.de/id/athenekarte

SSO (Single Sign-on)

- Central login facility for university services

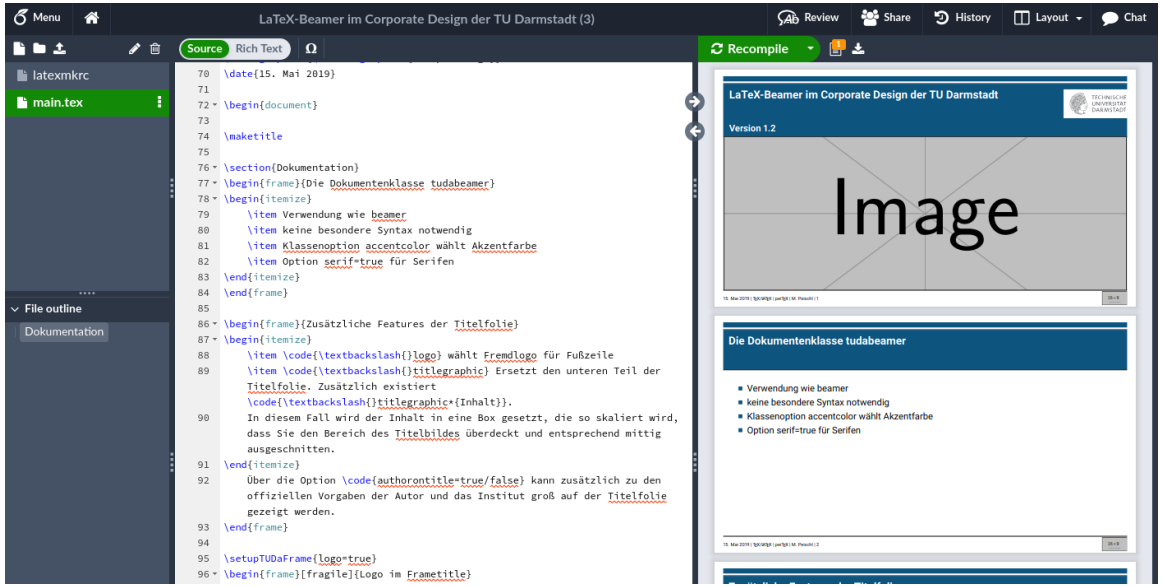


Further services

at TU Darmstadt

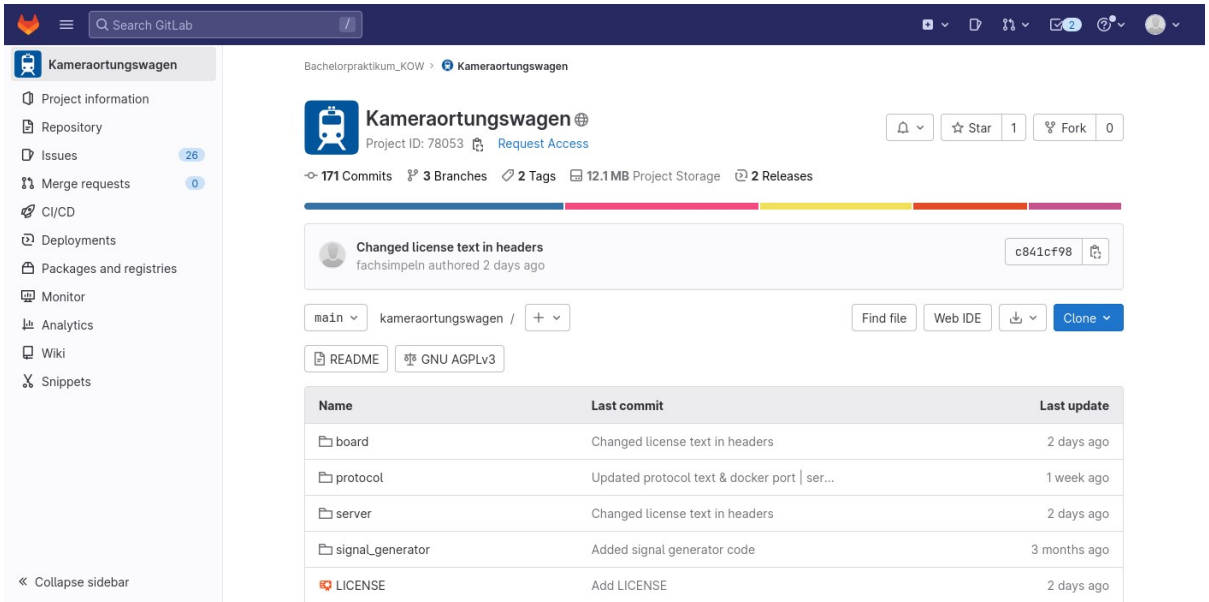
ShareLaTeX

- Online collaborative LaTeX editor
- https://sharelatex.tu-darmstadt.de/



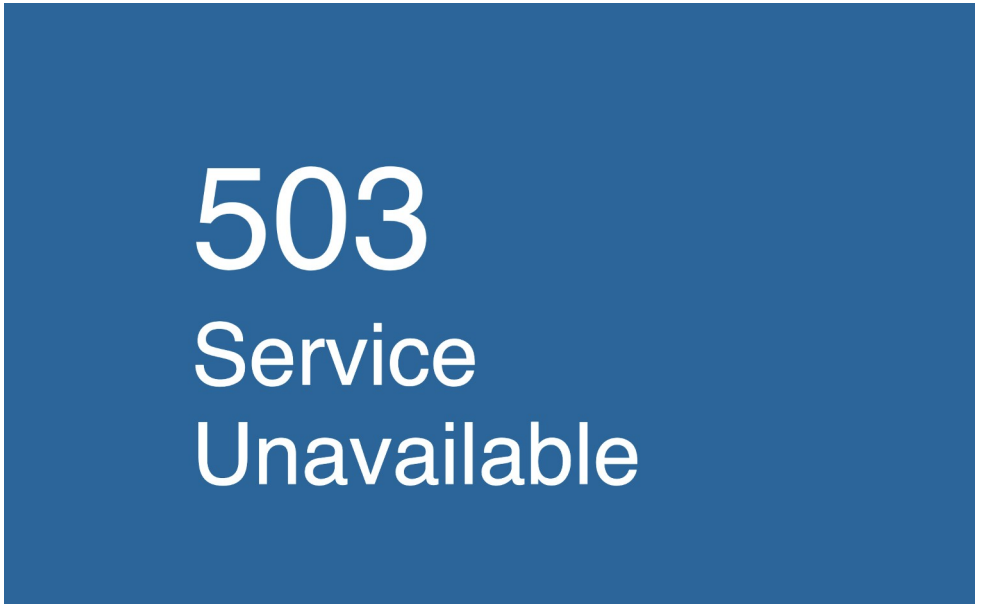
GitLab

- Version control system with support for issues and merge requests
- Hosted by RWTH AAchen



next.Hessenbox

- Nextcloud instance with 30 GB of free storage
- Built-in features for sharing with other TUDa members



Additional HRZ services

- TUCaN, TU-Moodle, Lichtenberg clusters, …
- Microsoft ~~Office~~ *365 CoPiLOt AI*
- zoom
- Computer pools running Windows
- Rental services

- see also https://www.hrz.tu-darmstadt.de/

Facilities

at the Computer Science department

C-Pool

- Computer pool in C0-area of Piloty building with 100 computers
  - S2|02 C005 and C003
- Operating System: Linux Mint
- Login using ISP credentials
- 1 GB storage space per student
  - Current usage can be queried using `$ quota –s`
- No food or drinks allowed (except water)

Printers

- Printer and scanner in C-Pool
- To use, enter Athena Card number into ISP account information
- Two main possibilities:
  a) Print on the machines in the C-Pool and authorize the print using your Athena Card
  b) Web interface: https://print.informatik.tu-darmstadt.de/
- Quota: 50 pages per month
- See also: ISP Wiki → Print via PaperCut

SSH

- Secure Shell (SSH)
- Remote access to machines in our department
- SSH server offered by ISP: `clientsshX.rbg.informatik.tu-darmstadt.de`
  - where X ϵ {1, 2, 3}
- No password authentication, only key authentication

More information

- ISP-Support: account management
  https://support.rbg.informatik.tu-darmstadt.de/
- ISP-Wiki
  https://support.rbg.informatik.tu-darmstadt.de/wiki/

Questions
d120.de/questions

Thanks!