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PMN IT Instructions

Dresden, 13.04.2023, Biannual Chair Information Event

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General Information

- **ZIH** is IT administration unit of TU Dresden
- Therefore, you can write to ZIH if you have any problems with IT services

servicedesk@tu-dresden.de

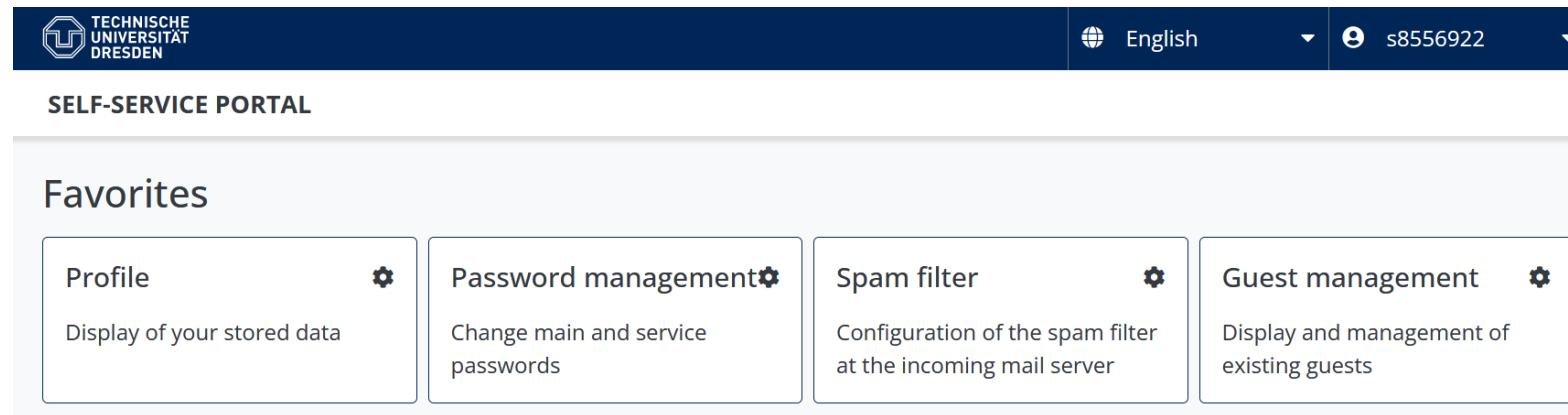
- I am only contact person for
 - Your work computer
 - Hardware for your work computer
 - Software like Microsoft Office, Origin etc.
 - Network printer
 - Presentation support → Laptop, Microphones, Webcams, Presenter etc.

Which information do we have and need?

- **Starting point** for access to IT infrastructure at TU Dresden:

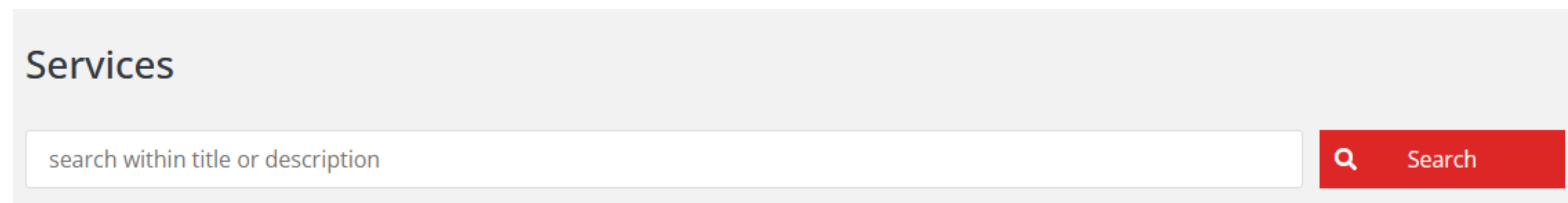
Your **ZIH-Login**

- To manage your **passwords** and **personal information** go to <https://selfservice.tu-dresden.de/>



The screenshot shows the 'SELF-SERVICE PORTAL' of TU Dresden. At the top, there is a dark blue header with the university logo, the text 'TECHNISCHE UNIVERSITÄT DRESDEN', a language dropdown set to 'English', and a user ID 's8556922'. Below the header, the page title 'SELF-SERVICE PORTAL' is displayed. The main content area is titled 'Favorites' and contains four service tiles, each with a gear icon: 'Profile' (Display of your stored data), 'Password management' (Change main and service passwords), 'Spam filter' (Configuration of the spam filter at the incoming mail server), and 'Guest management' (Display and management of existing guests).

- See all services at glance in Self-Service Portal



The screenshot shows the 'Services' section of the portal. It features a search bar with the placeholder text 'search within title or description' and a red 'Search' button with a magnifying glass icon.

What does the IT infrastructure look like?

Communi-
cation &
Collabo-
ration

Communicate efficient

- Email
- Zoom
- SharePoint
- Others

1

Data
storages

Organize your data

- Cloudstore
- Home network drive
- Group drive
- Others

2

Software

Use helpful tools

- Microsoft Office
- MATLAB
- Origin
- Others

3

Server

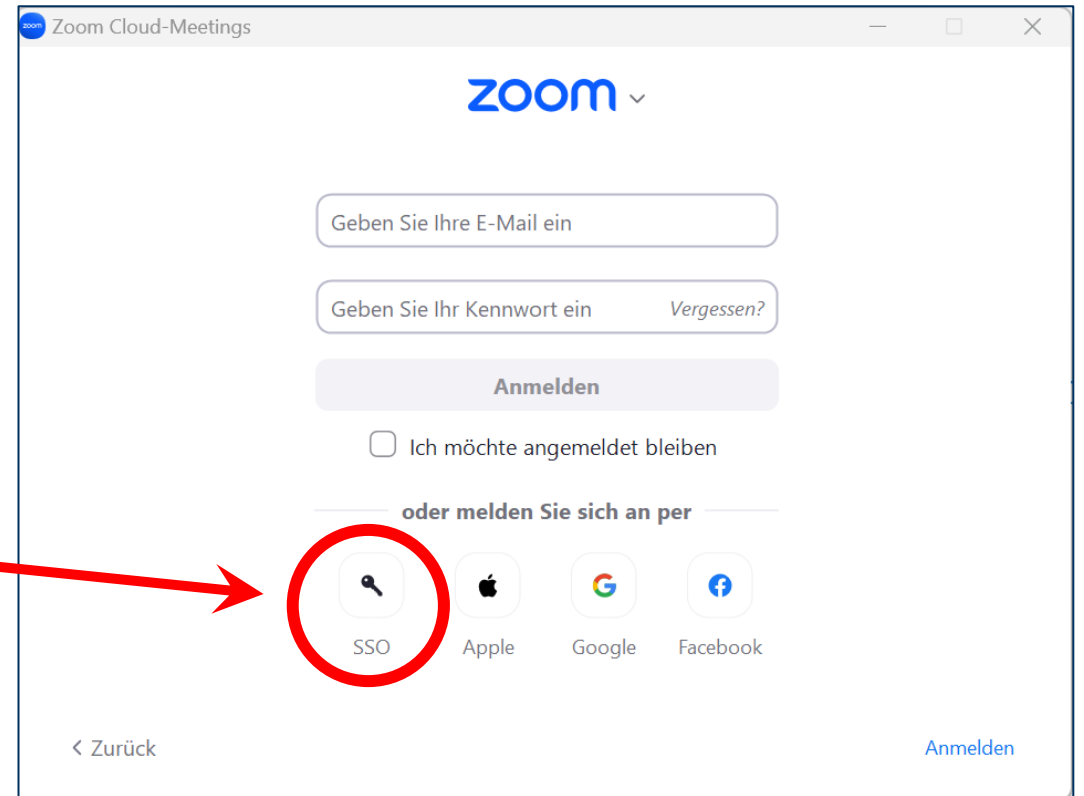
Use powerful hardware

- **H**igh **P**erformance
Computing (HPC)
- Remote workstations
- Others

4

1. Communication and Collaboration – First Steps

- **Email**
 - Setup your signature according to your affiliation
- **Zoom**
 - Click „Sign in“ at <https://tu-dresden.zoom.us/>
 - Create your personal link for your own Zoom room https://tu-dresden.zoom.us/my/Your_Name (Left menu on „Meetings“ → „Private room“)
 - You can sign in with your ZIH-Login if you click on SSO and type *tu-dresden* in the appeared text field



Zoom Cloud-Meetings

zoom

Geben Sie Ihre E-Mail ein

Geben Sie Ihr Kennwort ein [Vergessen?](#)

Anmelden

☐ Ich möchte angemeldet bleiben

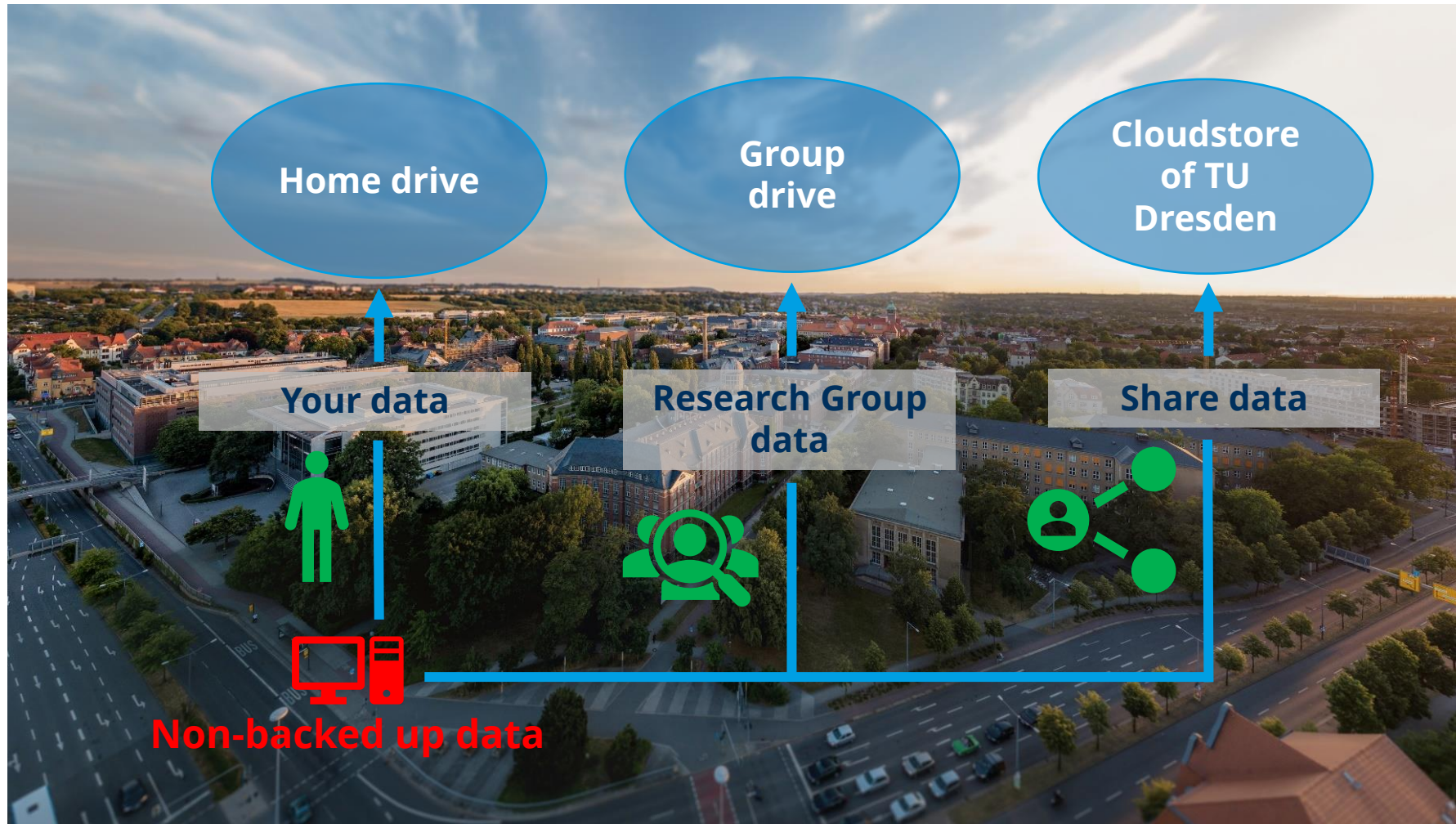
oder melden Sie sich an per

SSO Apple Google Facebook

< Zurück

Anmelden

2. Data storages – First Steps



https://media-exp1.licdn.com/dms/image/C4D1BAQGhuHkHrK9Otw/company-background_10000/0?e=2159024400&v=beta&t=1cL7tUnH5XYVw6DOfbIjkskihQI2pmXPHu1d7SLXnzs

2. Data storages – First Steps

- **Cloudstore**

- <https://cloudstore.zih.tu-dresden.de/>
- You can upload, download and share Data with internal and external people
- **App** for Windows, Mac, iOS and Android
- **No Backups**

- **Home network drive**

- For **your data**
- Automatically Backups and Snapshots

- **Group network drives**

- For **many** and **large raw research data**
- For **project** and **group** data
- Automatically Backups and Snapshots



[1]

Short and simple manual at
<https://nano.tu-dresden.de/shared/14>

[1] <https://de.wikipedia.org/>

3. Software – First Steps

- **Mandatory**
 - **Install Sophos anti virus**
https://tu-dresden.de/zih/dienste/service-katalog/arbeitsumgebung/dir_software/softwareliste/virenschutz/sophos/index/?set_language=en
(as Windows user you can also download *Endpoint Security and Control*)
- **Microsoft Office**
 - is already installed on your PC/Laptop
 - Microsoft Office 365 is also available for your own PC/Laptop
 - For employees: <https://selfservice.tu-dresden.de/services/software-licenses/microsoft-365/>
 - For students: <https://campussachsen.tu-dresden.de/>
- **Origin**
 - License of chair available → please contact me (steffen.kampmann@tu-dresden.de)
 - For students at own PC:
https://tu-dresden.de/zih/dienste/service-katalog/arbeitsumgebung/dir_software/softwareliste/origin/index
- **Software list**
 - https://tu-dresden.de/zih/dienste/service-katalog/arbeitsumgebung/dir_software/softwareliste

3. Software – First Steps

Prohibited software

- TeamViewer
 - **External cloud services** like Dropbox, Google Drive, OneDrive etc.
 - Cracked software
 - Software with illegal license
-
- **Please only install software from trustworthy sources**
 - E. g. <https://www.heise.de/download/>

4. Server – First Steps

- **Remote Desktop Client (ISL)**

- You can control your Lab or Office PC from everywhere
- <https://rsupport.zih.tu-dresden.de:7615/users/main/downloads.html>
- You can find a simple manual in following document
<https://nano.tu-dresden.de/shared/16>



- **Remote workstations for computing**

- <https://selfservice.tu-dresden.de/services/research-cloud/>
- Access via ssh connection

- **High Performance Computing (HPC)**

- <https://doc.zih.tu-dresden.de/>
- To get access please contact **Dr. Rafael Gutierrez** (rafael.gutierrez@tu-dresden.de)
- Access via ssh connection



Stay connected with TU Dresden

- To have full access to all **services** stay in the TU network with VPN
 - Secured connection in public Wi-Fi networks e. g. on conferences
- <https://selfservice.tu-dresden.de/services/vpn/>
- **Install** OpenVPN software
 - <https://openvpn.net/vpn-client/>
- **Download** the TU Dresden profile file
 - <https://selfservice.tu-dresden.de/services/vpn/openvpn>
 - Execute this file
- Detailed documentation:
 - https://tu-dresden.de/zih/dienste/service-katalog/arbeitsumgebung/zugang_datennetz/vpn/openvpn



[1] <https://de.wikipedia.org/>

Publishing and Sharing of Documents

Clean your meta data

- Use the following tool ***docleaner*** before you **publishing** or **share** documents:

<https://docleaner.cert.tu-dresden.de/>

 TECHNISCHE
UNIVERSITÄT
DRESDEN

docleaner

This webservice cleans documents from potentially privacy-invasive metadata.

Choose a document to upload.

Durchsuchen...

Keine Datei ausgewählt.

Supported document format(s): PDF

 Upload

Website of our Chair

- **Public website**
 - <https://nano.tu-dresden.de/> or <https://nano-tud.de/>
- **Internal area on website**
 - <https://nano.tu-dresden.de/shared/> or <https://nano-tud.de/shared/>
 - **User:** nano
Password: nano
 - Here we share important documents
- **Please check if your profile information is up to date**
 - <https://nano.tu-dresden.de/team/>

Thank you for your attention!