

# IT Survival Guide

Lorentz Institute For Theoretical Physics  
(version 5/2023)

## Account

- A Credentials are sent to your private email address.
  - B Change your credentials regularly.
  - C Extensions must be requested by your supervisor.
  - D All accounts have a grace period of six months.
- <https://www.lorentz.leidenuniv.nl/www/people/user/services>

## Security

- A Never disclose your credentials.
- B We never ask for your credentials.
- C Change your password regularly.
- D Choose difficult-to-guess passwords.
- E Use a password manager.
- F Beware of phishing emails.
- G Use a VPN connection on insecure WiFi.
- H Lock your office door upon leaving.
- I Use encryption, also for emails.

## Notable URLs

Website: <https://www.lorentz.leidenuniv.nl>  
ITC Docs: <https://helpdesk.lorentz.leidenuniv.nl/wiki>  
Helpdesk: <https://helpdesk.lorentz.leidenuniv.nl>  
Webmail: <https://webmail.lorentz.leidenuniv.nl>  
Remote Workspace: <https://remote.lorentz.leidenuniv.nl>  
Gitlab: <https://gitlab.lorentz.leidenuniv.nl>  
iRODS Archive: <https://icat.lorentz.leidenuniv.nl>  
XmarisOnDemand: <https://xmaris.lorentz.leidenuniv.nl:4433>  
SAP SelfService <https://remote.campus.leidenuniv.nl>

## Email

<https://emailselfdefense.fsf.org>

## Webmail

<https://webmail.lorentz.leidenuniv.nl>

## Email Clients

IMAP: [mail.lorentz.leidenuniv.nl:993](mailto:mail.lorentz.leidenuniv.nl:993) SSL/TLS  
SMTP: [mail.lorentz.leidenuniv.nl:465](mailto:mail.lorentz.leidenuniv.nl:465) SSL/TLS

## Email large files

<https://filesender.surf.nl>  
Login using your ULCN credentials

## GNU/Linux workstations

OS: Fedora

## Disks

*/home NFS, long-term, ~4GB/user*  
*/disks/misc NFS, long-term, no-quota*  
*/data[1,n] local, temporary, no-quota*  
*/data[1,n] access schema*  
`ls /net/workstation-name/data[1,n]`

## Remote working

*Only Web browser needed!*  
URL: <https://remote.lorentz.leidenuniv.nl>  
OS: Red Hat

Credentials: IL

## Virtual workstations

IL Workstation: *16GB RAM and 4CPUs* (max 3 days)  
IL Workstation+: *16GB RAM and 4CPUs* (max 7 days)

## Extra applications

Jupyter: *16GB RAM and 4CPUs* (max 3 days)  
Matlab: *16GB RAM and 4CPUs* (max 3 days)  
Mathematica: *16GB RAM and 4CPUs* (max 3 days)

## Printers

*lorentz\_medium\** (HP Color LaserJet M553)  
`ipp://printers.lorentz.leidenuniv.nl/printers/lorentz_medium`  
*lorentz\_small\** (HP Color Laserjet 3000dn)  
`ipp://printers.lorentz.leidenuniv.nl/printers/lorentz_small`

## Wireless Networks

1 UL-STRW-LION  
Domain: Lorentz  
Credentials: IL  
2 Eduroam  
Credentials: ULCN  
3 Leiden University  
Credentials: ULCN

## Request guest WiFi account: three steps

- 1 - Visit <https://eva.eduroam.nl>
- 2 - Login using your ULCN account
- 3 - Create a guest/visitor

## xmaris cluster

OS: CentOS  
Access is **not** automatically granted  
Discuss & request access with Xavier Bonet  
Help: [support@lorentz.leidenuniv.nl](mailto:support@lorentz.leidenuniv.nl)

## Headnode

`xmaris.lorentz.leidenuniv.nl` \* (listening on port 22)

## xmaris OnDemand

`https://xmaris.lorentz.leidenuniv.nl:4433` \*

## xmaris disks\*\*

*/scratch local, temporary, no-quota* (all nodes)  
*/home NFS, long-term, 10GB/user* (all nodes)  
*/marisdata NFS, long-term, 2TB/user* (all nodes)  
*/PIBSSD BeeGFS, temporary, no-quota* (maris0[78-85])

## xmaris live status

`cmd line: sinfo -Nel`  
`web: https://xmaris.lorentz.leidenuniv.nl/ganglia`

## xmaris software: module command

`list software: module available`  
`info software: module spider foss/2018a`  
`load module: module load foss/2018a`  
`unload module: module unload foss/2018a`  
`unload all modules: module reset`  
`unload all but system default modules: module restore`

## iRODS FAIR Storage

See dokuwiki:  
`id=institute_lorentz:irods_fair_storage`

## VPN

Requests of VPN profiles and  
Reports of compromised/stolen VPN profiles to  
[support@lorentz.leidenuniv.nl](mailto:support@lorentz.leidenuniv.nl)

## Tested VPN clients (OpenVPN v2.3+)

GNU/Linux: OpenVPN  
Windows: OpenVPN  
MacOS: Tunnelblick  
Android: OpenVPN  
iOS: OpenVPN

## SSH Gateway

`styx.lorentz.leidenuniv.nl` (listening on port 22)

## SSH Tunnels/Proxies Examples

A: *johnny* connects to *xmaris* via *styx*  
`ssh -o ProxyCommand="ssh -W %h:%p johnny@styx.lorentz.leidenuniv.nl" johnny@xmaris`  
B: *johnny* connects to *dummy's* VNC :1 via *styx*  
In Terminal 1 type:  
`ssh -NL 5901:dummy.lorentz.leidenuniv.nl:5901 johnny@styx.lorentz.leidenuniv.nl`  
In VNC viewer open:  
`vnc://localhost:5901`

C: *johnny* proxies http/https via *styx*

In Terminal 1 type:  
`ssh -ND 8888 johnny@styx.lorentz.leidenuniv.nl`  
Set your Web Browser such that:  
Network Settings → Proxy connection →  
SOCKS5 Proxy → URL localhost:8888

## SAP self service

<https://remote.campus.leidenuniv.nl>  
Use your ULCN credentials

## Purchases

`bestellingen@lorentz.leidenuniv.nl`  
Email SAP number and details purchase

## Credentials 101

Your email addresses:  
IL: [johnny@lorentz.leidenuniv.nl](mailto:johnny@lorentz.leidenuniv.nl)  
ULCN: [johnny@leidenuniv.nl](mailto:johnny@leidenuniv.nl)  
Your usernames:  
Lorentz Institute Web Apps: johnny  
Leiden University Webmail: johnny  
SAP SelfService: johnny  
Microsoft Office 365: VUW\johnny@vuw.leidenuniv.nl  
EduRoam: johnny@leidenuniv.nl

\* Only available via VPN/internal

\*\* Quotas do not apply to cluster owners

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