

# IT Survival Guide

Lorentz Institute For Theoretical Physics  
(version 8/2020)

## Account

- A Credentials are obtained by visiting HL40[7-9].
- B Extensions must be requested by your supervisor.
- C All accounts have a grace period of six months.

## 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.

## Notable URLs

Website: <https://www.lorentz.leidenuniv.nl>  
Helpdesk: <https://helpdesk.lorentz.leidenuniv.nl>  
Webmail: <https://webmail.lorentz.leidenuniv.nl>  
Videoconf: <https://videoconf.lorentz.leidenuniv.nl>  
Gitlab: <https://gitlab.lorentz.leidenuniv.nl>  
Mailman: <https://mail.lorentz.leidenuniv.nl/mailman>  
EduArXiv: <https://education.physics.leidenuniv.nl>\*  
XmarisOnDemand: <https://marishead.lorentz.leidenuniv.nl:4433>\*  
SAP SelfService <https://remote.campus.leidenuniv.nl>

## Email

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

## 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

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

### xmaris OnDemand

<https://marishead.lorentz.leidenuniv.nl:4433> \*

### xmaris disks\*\*

*/scratch local,temporary,no-quota* (all nodes)  
*/home NFS,permanent,10GB/user* (all nodes)  
*/marisdata NFS,permanent,2TB/user* (all nodes)  
*/IBSSD iSER,temporary,no-quota* (maris0[78,79,80,81])

### xmaris live status

cmd line: `sinfo`

web: <https://marishub.lorentz.leidenuniv.nl:4433>

### xmaris software

*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

## 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

## VNC sessions: two steps

- 1: Start a VNC server on your workstation
- 2: Connect to this server remotely

### 1: Start a VNC server

Set a VNC password: `vncpasswd`

Edit `~/vnc/xstartup`

Start the server: `vncserver -localhost`

First server listens on display :1  
n-th server listens on display :n

### 2: Connect to a VNC server :n display

GNU/Linux:

```
vncviewer workstation.lorentz.leidenuniv.nl :n  
or  
vinaigre workstation.lorentz.leidenuniv.nl :n  
windows:  
Suggested software  
TightVNC
```

mac:

Suggested software  
Chicken of the VNC

### Tunnel to a VNC server :n display

```
vncviewer -via styx.lorentz.leidenuniv.nl  
workstation.lorentz.leidenuniv.nl :n
```

## SSH Gateway

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

### SSH Tunnels/Proxies Examples

A johnny connects to dummy via styx

In Terminal 1 type:

```
ssh -NL 2222:dummy.lorentz.leidenuniv.nl:22  
johnny@styx.lorentz.leidenuniv.nl
```

In Terminal 2 type:

```
ssh -p 2222 johnny@localhost
```

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
```

In a Browser do:

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](mailto:bestellingen@lorentz.leidenuniv.nl)

Email SAP number and details purchase

\* Only available via VPN/internal

\*\* Quotas do not apply to cluster owners

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