HPC workshop online

- session 1: connect to the HPC@DCCN from home -





helpdesk@fcdonders.ru.nl



- small presentation + demo
 - Windows: Mariam Zabihi
 - Mac: Saige Rutherford
 - Linux: Hong Lee
- Q&A
 - post your questions in the Zoom chat



- obtain a DCCN account
- SSH to an access node
- start a VNC server
- connect VNC client to the VNC server
- using eduVPN
- using SSH tunnel

obtain a DCCN account

- DCCN/CNS users receive it after the check-in at the TG.
- For DCC, there is a separate process to follow.

eduVPN

- "virtually" connect your computer at home to the DCCN network
- only for users with RU u/e-numbers
- request "EduVPN Trigon Access" via https://account.ru.nl
- install eduVPN client and connect

SSH tunnel

- a.k.a. SSH local port forwarding
- "represent" a remote server as a local server running on your computer at home
 - server: protocol, hostname (or IP address), network port
 - VNC server, remote desktop server, jupyter notebook server, etc.
- connect client to the local server and data is forwarded through the tunnel to the remote server
 - client: software that talks to the server with the same protocol







ssh –L 5901:mentat004:5910 ssh.dccn.nl

N=10

Mac/Linux (terminal)







