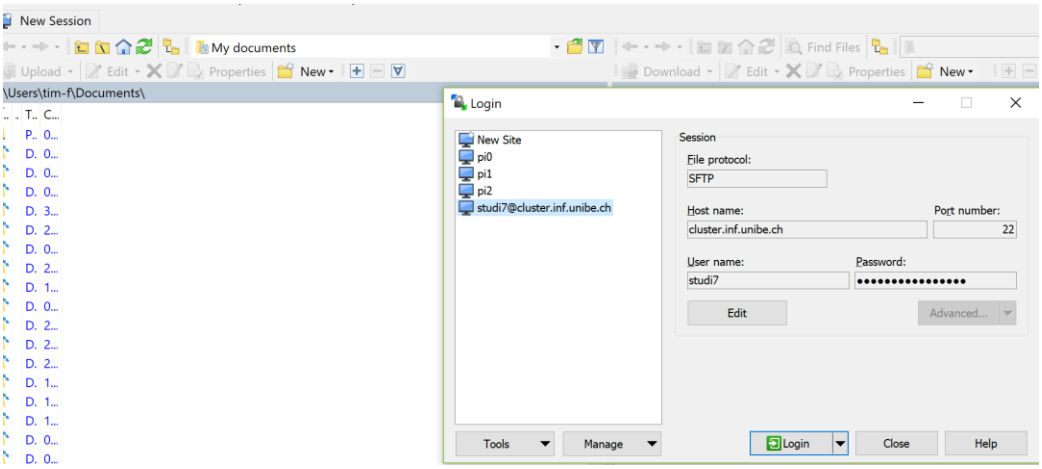
This **Step-by-Step Guide** shows how to organize and run the project data on the cluster. (Win 10 tested)

➔ Make sure to be inside the unibe.ch Network either physically or via VPN (see https://tutorials.id.unibe.ch/vpn)

Moving Files with GUI (Code/Data) to the Cluster

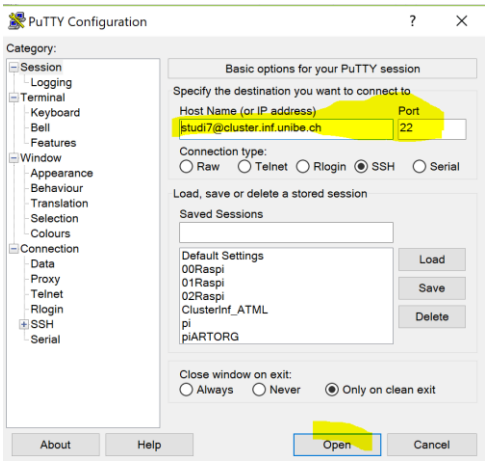
1. Download and install WinSCP
   https://www.heise.de/download/product/winscp-5962/download/extern?id=3e4145f5-b7b7-43b2-afe9-f702786627ed
2. Connect to the cluster
   Host name: cluster.inf.unibe.ch
   User Name: studi7
   Port: 22
   Password: Was provided via Mail from Simon Jenni

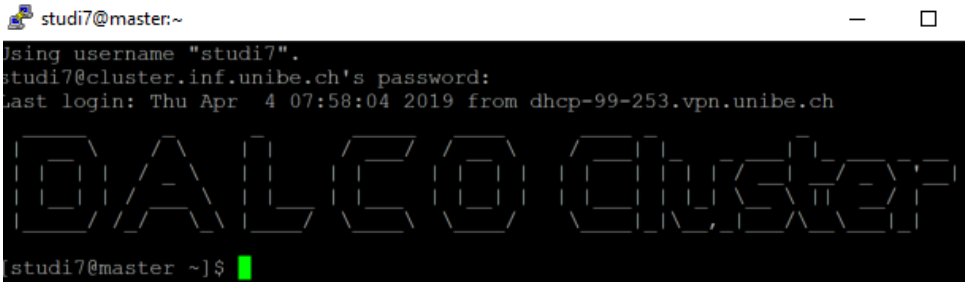


3. Moving/Storing Data/Log Files:
   a. Data and logs should be stored under /var/tmp **(limited space in home dir)**
4. Moving/Storing Code Files
   a. Code files should be stored under /home

Executing Python Files on the Cluster

1. Download and install PuTTy
   https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html
2. Login with the credentials provided above





3. Switch to node 7 via the command `ssh node07`
4. Enter the command `module load anaconda/3`
5. Switch to home (=code) directory via `cd home`
6. Execute the python file by entering the path within the home directory for example with `python3 helloworld.py`

Remark: Make sure that the code runs on 'Cuda' not 'CPU' by checking via

```
device = torch.device('cuda' if torch.cuda.is_available() else 'cpu')
print("Processes are running on:", device, ". We have", torch.cuda.device_count(), "GPU available")
```