

SSH Access Setup Guide for TU Clausthal GPU Cluster

1. Generate SSH Key (on your local machine)

Open a terminal and run:

```
ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
```

Press Enter to accept the default location (~/.ssh/id_rsa).

2. Copy Your Public Key to the Server

Run the following command, replacing placeholders:

```
ssh-copy-id <your_username>@<node_adress>
```

Enter your password when prompted.

3. Manually Copying Public Key (if ssh-copy-id fails)

Step 1: Display your public key:

```
cat ~/.ssh/id_rsa.pub
```

Step 2: Log into the server using your password (if provided):

```
ssh <your_username>@<node_adress>
```

Step 3: Create or edit the authorized_keys file:

```
nano ~/.ssh/authorized_keys
```

Paste your key, save (Ctrl + O), and exit (Ctrl + X).

4. Testing Connection

To confirm that your setup is working, try:

```
ssh <your_username>@<node_adress>
```

You should be connected without needing to enter a password.

Notes:

- Make sure your account is activated on the cluster before trying SSH.
- If you're off-campus, you may need to connect via TU Clausthal VPN.
- Do not use sudo on the cluster.