# 1. VS code

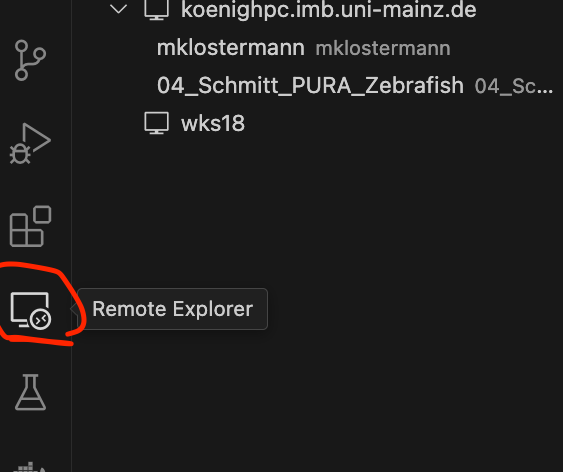
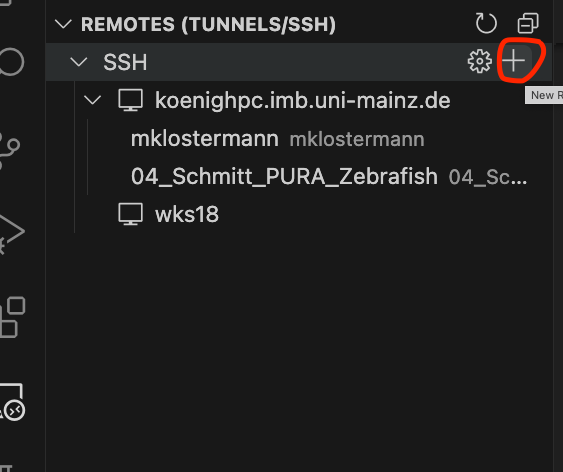
* Install VS code
* Click extension and install remote ssh
* (install openSSH or something similar, this might not be necessary)
* Close and open VS code once

# 2.A Connect to eberberger cluster

## VPN connection

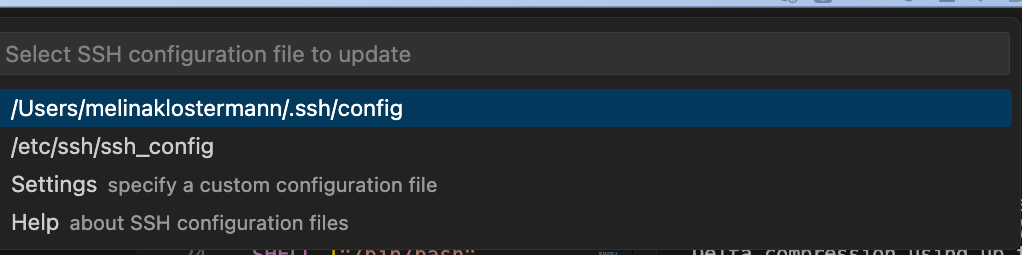
* You need to get a VPN certificate from Stephan/Kathi
* Install a VPN tool
  + Windows: OpenVPN Client Community Edition https://openvpn.net/community-downloads/
  + MacOS: Tunnelblick <https://tunnelblick.net/downloads.html>
  + Linux: OpenVPN Client Linux, per Command Line
* Open the tool and use the certificate to open the vpn connection

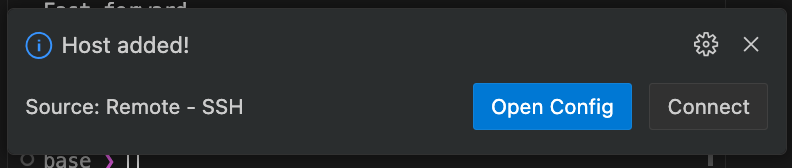
## Connect in VS code

* Go back in VS code
* Then click the external connection button on the left side of VS code
* Click the plus next to ssh
* enter in the top line in the middle

ssh **<your\_user\_name>**@wks**04**.izn-ffm.intern

* **<your\_user\_name>** is the username you got from Stephan
* **wks04** You can put any of the workstations (wks01, wks02, wks03 …)
* next you will be asked to specify a config file



* choose a location for the config file (usually the first option is good)
* then click “open config” in the bottom right corner

then enter in the config file:

Host AK-Ebersberger wks04

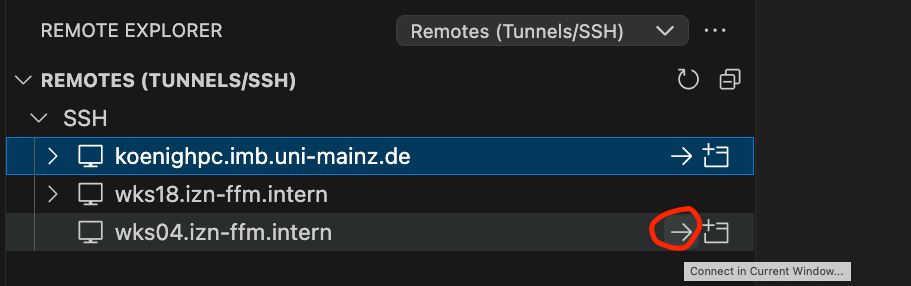
HostName wks04

User <your\_user\_name>

ServerAliveInterval 60

ServerAliveCountMax 20

* close and reopen VS code
* click again on the external connection symbol on the right
* now you should see wks04 as a connection
* you can click on the arrow next to wks04 to connect



* you need to enter your password in the top middle
* now you should be connected to the cluster
* you can open your home folder oder the share/projects/zarnack folder by clicking “open folder”

Possible problems:

In case you get an error message stating “bad owner” follow the steps given in this blog post: https://petertran.com.au/2018/06/06/bad-owner-permissions-ssh-config/