VNC Tunneling On Windows

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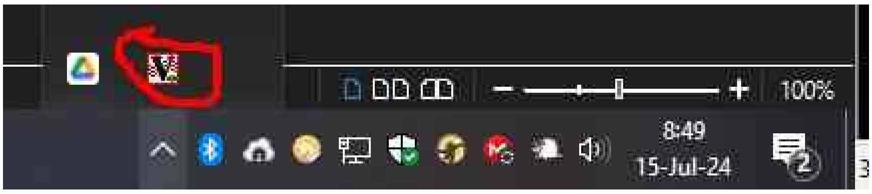
This document contains instructions on how you can setup a VNC-connection using an SSH tunnel from your (home) Windows computer to your lab computer for remote desktop access. For a Linux lab computer install a VNC server available from your distribution's repository (ie. "vnc4server" on Debian/Ubuntu/Mint distributions). Note that the rest of the instructions in this document are for Windows computers.

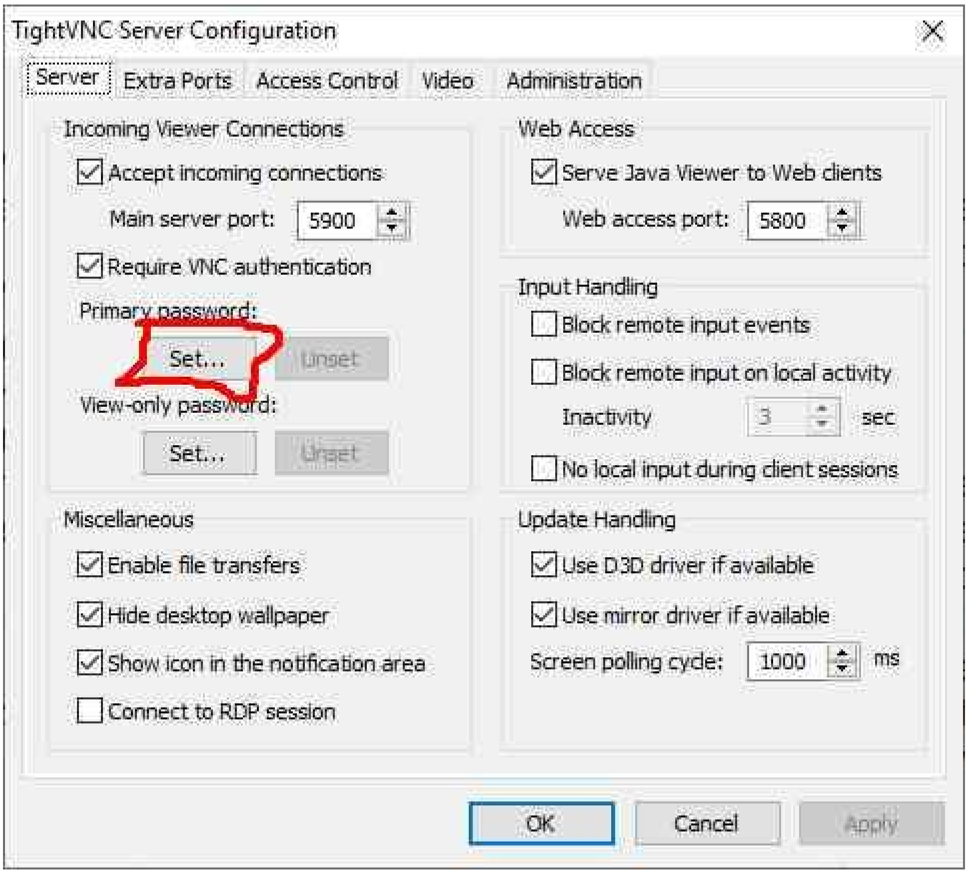
Used software is available here:
- https://www.bitvise.com/download-area ("Bitvise SSH Client")
- https://www.tightvnc.com/download.php ("TightVNC for Windows")

Lab computer instructions

- On your lab computer you need to install a VNC server. For Windows install the TightVNC server.
- Run the "TightVNC"-installer and select "Typical" or "Server" during installation.
- Start the VNC server by selecting "Run TightVNC server" from the Windows "Start Menu".
- Configure the VNC server on your lab computer by clicking on the tray icon (right bottom, may be hidden) like this:

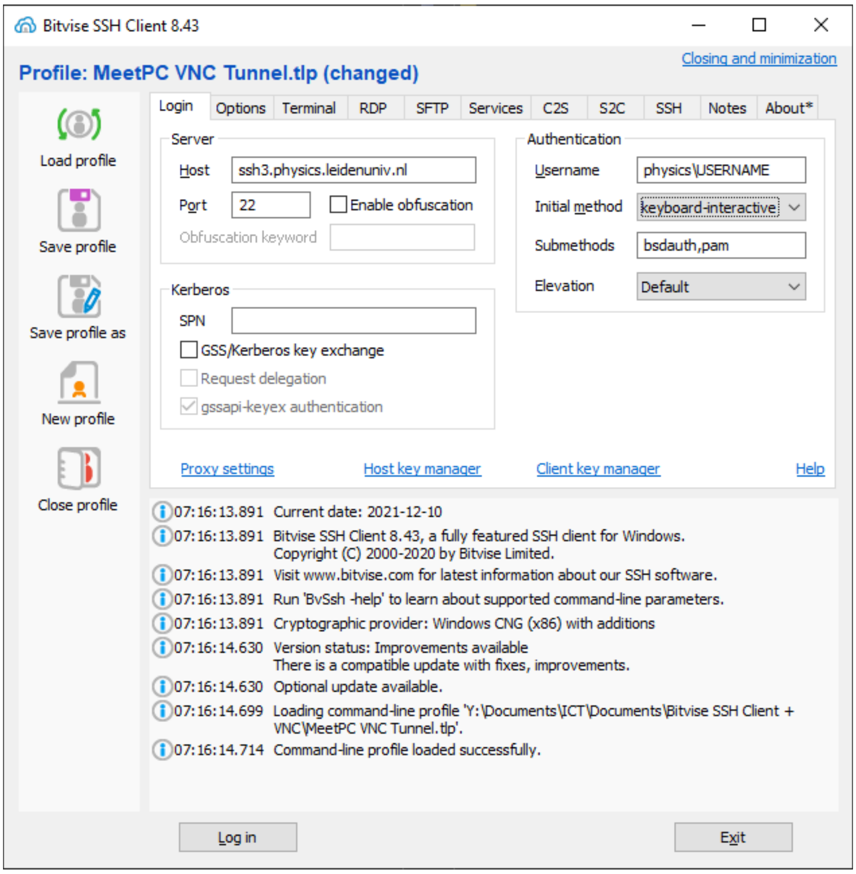


- In the "TightVNC Server Configuration"-dialog on the "Server"-tab select "Set" under "Primary Password" and enter a password:

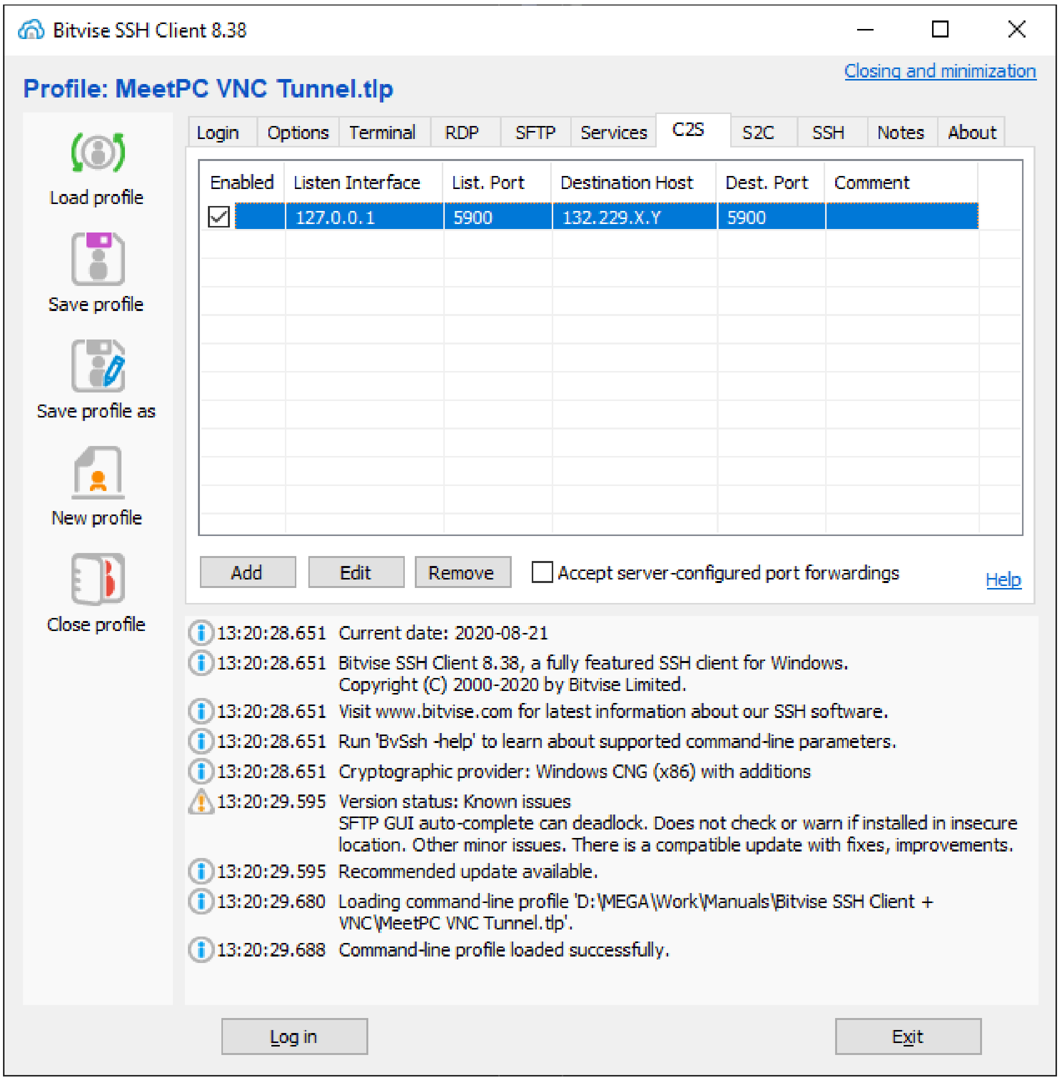


Home computer instructions

- Install "Bitvise SSH Client (Tunnelier)" and TightVNC (Select "Typical" or "Viewer" setup type during install). Start the "Bitvise SSH Client". On the "Login" tab configure "Host" as "ssh3.physics.leidenuniv.nl". For "Username" you must specify your Physics accountname prefixed with "PHYSICS\". "Initial method" must be set to "keyboard-interactive", as shown below:

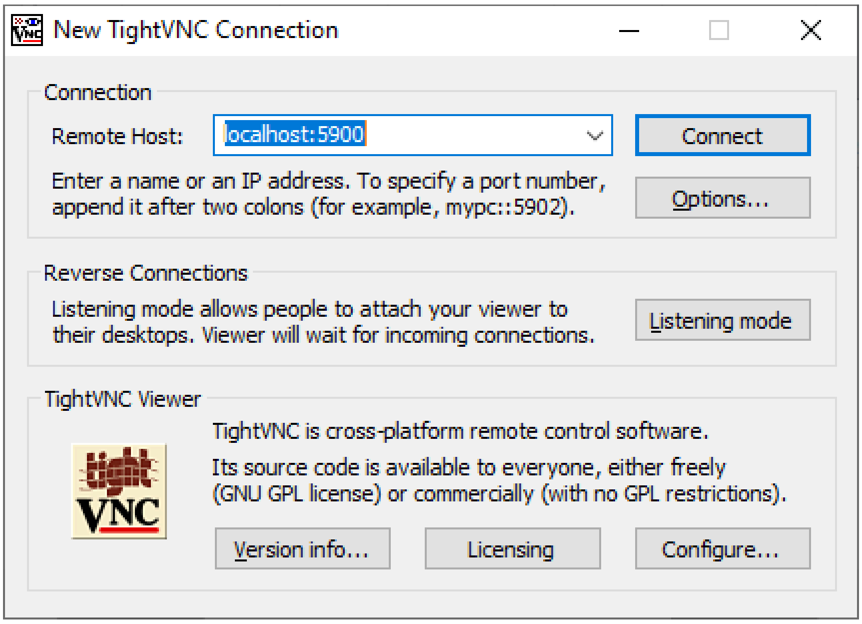


- Open the "C2S" tab and add an entry for your lab computer. You must substitute "132.229.X.Y" with the IP address of your lab computer as shown below:



- Next click "Save profile" in the left vertical bar.
- And finally click on "Login In" on the bottom of the window.
- You will be asked to enter your account's password followed by a request for your 2-factor authentication code.

- When the connection is successfully established, start the "TightVNC Viewer" client. For "Remote Host" enter "localhost:5900" as shown below:



- Finally click on "Connect", enter your previously set VNC-password. Your lab computer's desktop should appear now.