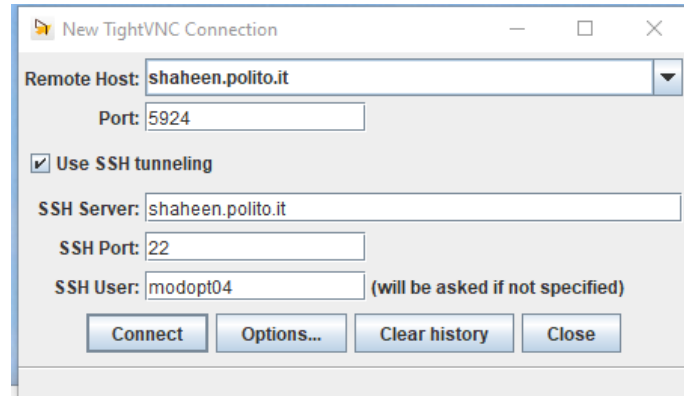


Virtual machine access instructions using VNC

Throughout these instructions I assume that your group number (on 2 digits) is n , i.e. $n=02$ if you are group **modopt02**. Angle brackets around an expression denote the value of the expression. E.g. $\langle n+20 \rangle$ denotes **25** if $n=05$ (i.e. you are group **modopt05**) and should not be entered into any command.

1. Open the **TightVNC viewer** from the program menu on your local PC (see below if you are using your own PC rather than one of those in the lab, where the viewer is preinstalled).
2. Type **shaheen.polito.it** in "Remote host"
3. Type **59 $\langle n+20 \rangle$** in "Port" (e.g. **5925** if you are group **modopt05**)
4. Select **Use SSH tunneling**
5. Type **shaheen.polito.it** in "SSH Server", **22** (or **110**, which may work in case of trouble) in "SSH Port" and your group name (e.g. **modopt05**) in "SSH User".
6. Click on the "**Connect**" button at the bottom.
7. If you are asked if you want to accept a security certificate (the first time), reply **Ok**.
8. Type the password **MOD0pt20!8** (note the three zeros, and the exclamation mark; this password is for Linux login).
9. Type the password again (this one is for the VNC server). Note that the VNC password (used for the VNC server) initially is the same as the Linux login password (used for the putty ssh client), but while the Linux password is changed via the **passwd** command, the VNC password is changed via the **vncpasswd** command (i.e. the two may be different if you change only one).
10. You should now see the usual gnome Linux session. Open Terminal from the **Applications -> System Tools** menu.
11. Use your linux password to unlock the screen saver.
12. If you do not see the Applications menu of the gnome session, kill and restart the server from an ssh shell started e.g. from the **putty** application:

```
vncserver -kill : $\langle n+20 \rangle$   
vncserver -geometry 1600x900 : $\langle n+20 \rangle$ 
```



Note that **you can open at most one vnc session at a time** (even if you have multiple monitors).

If you connect using your own PC or laptop, you have to install the TightVNC Java client (not the native application, which does not have ssh support) from

<https://www.tightvnc.com/download/2.8.3/tvnjviewer-2.8.3-bin-gnugpl.zip>