

## Connect to archlab5.eng computer in the university from a computer outside the firewall using VNC and putty

Install on your computer the **VNC program**. Choose **viewer only**.

Install on your computer the **putty** program.

You can download both from Udi Motelo site at University

<http://www.eng.tau.ac.il/~uuddii/>

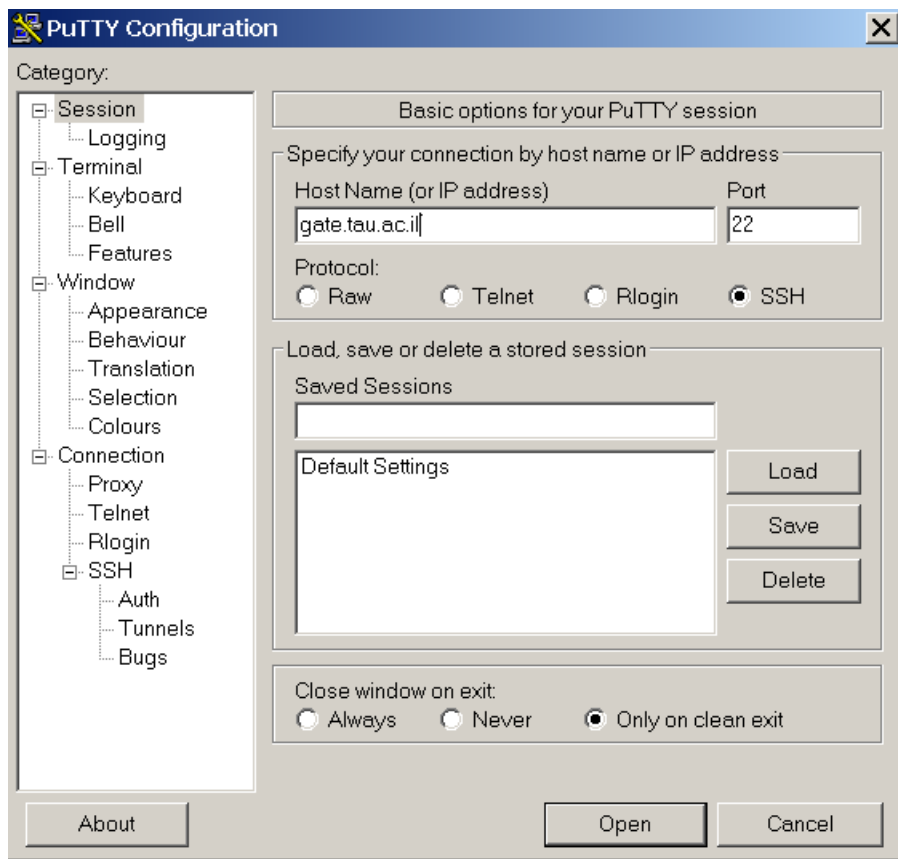
### Start the FIRST putty connection

Double click the **putty.exe** icon.

You first need to establish the putty/SSH connection to Tel Aviv University gates AND start the vncserver on **archlab5.eng**.

In putty Press the **open** button. (Thanks to Ran Attias for supplying few of the screenshots below).

Select **Session** and type in the **Host Name (or IP address)** window **gate.tau.ac.il**



The putty window opens on gate.tau.ac.il

1. In this window type your user name on post and press enter. Type your password on post and press enter.
2. Do ssh to archlab5, e.g. **ssh archlab5.eng -l your\_username\_on\_archlab5** and type the password when asked. (In this example the username is ranattia)
3. When opening VNC for first time you may be asked also for VNC password. USE SAME PASSWORD AS ON POST, it is easier to remember.
4. Remember the vncserver number that appears on screen

```

gate.tau.ac.il - PuTTY
login as: ranattia
ranattia@gate.tau.ac.il's password:
Last login: Sun Mar 22 08:14:52 2009 from 212.143.174.133

Welcome to gate.

The following commands can be used: telnet, ssh, ssh1, ssh2, rlogin.

(gate)>ssh archlab5.eng -l ranattia
ranattia@archlab5.eng's password:
Last login: Sun Mar 22 08:15:16 2009 from gate.tau.ac.il
launching vncserver...

New 'archlab5.eng.tau.ac.il:3 (ranattia)' desktop is archlab5.eng.tau.ac.il:3

Starting applications specified in /a/home/cc/students/engineer/ranattia/.vnc/xst
artup
Log file is /a/home/cc/students/engineer/ranattia/.vnc/archlab5.eng.tau.ac.il:3.lo

when you're done here, please remember to log out properly by typing 'exit' in th
is shell.
[ranattia@archlab5~]$

```

### **Start the SECOND putty connection**

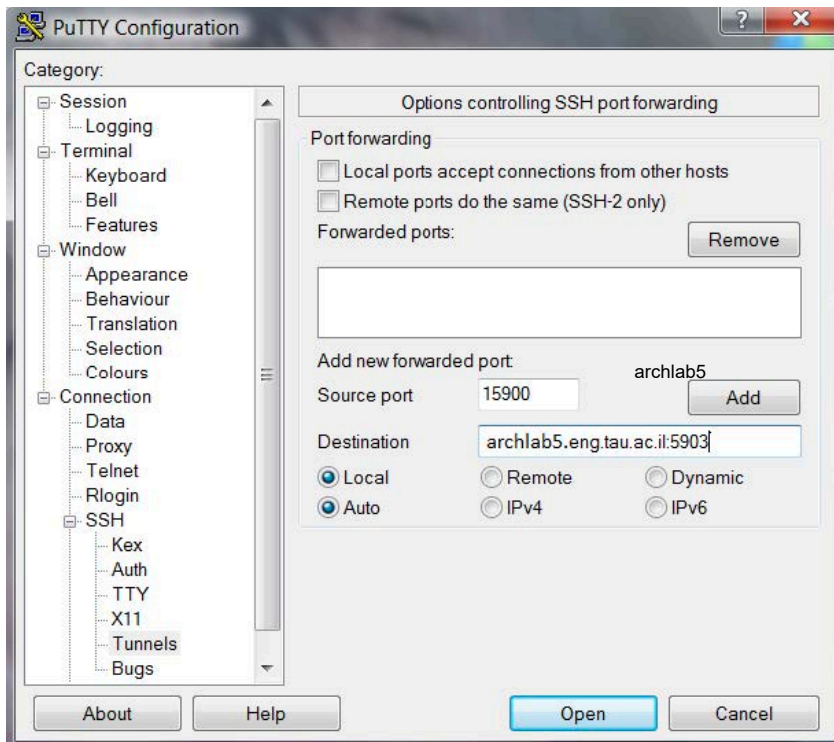
Open a SECOND putty connection, while the first putty connection opened above remains open.

Within this SECOND putty do the following:

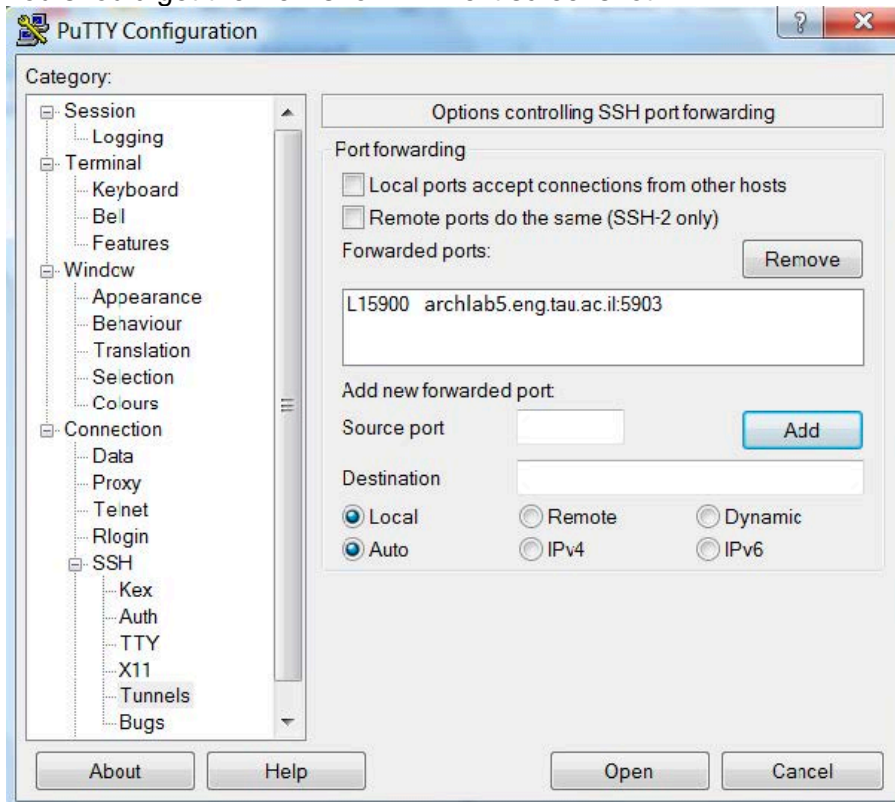
1. Select **SSH→Tunnels**
2. In the **Source port** window type **15900**
3. In the **Destination** window type the **ip address** or **name** of the computer from the university : **port number**
4. The port number has the form **59xx**, where xx is base on the vnc number you got, for example if you got 3, the port is **5903**.
5. Press the **Add**

The result will be

**L15900 archlab5.eng.tau.ac.il:5903**



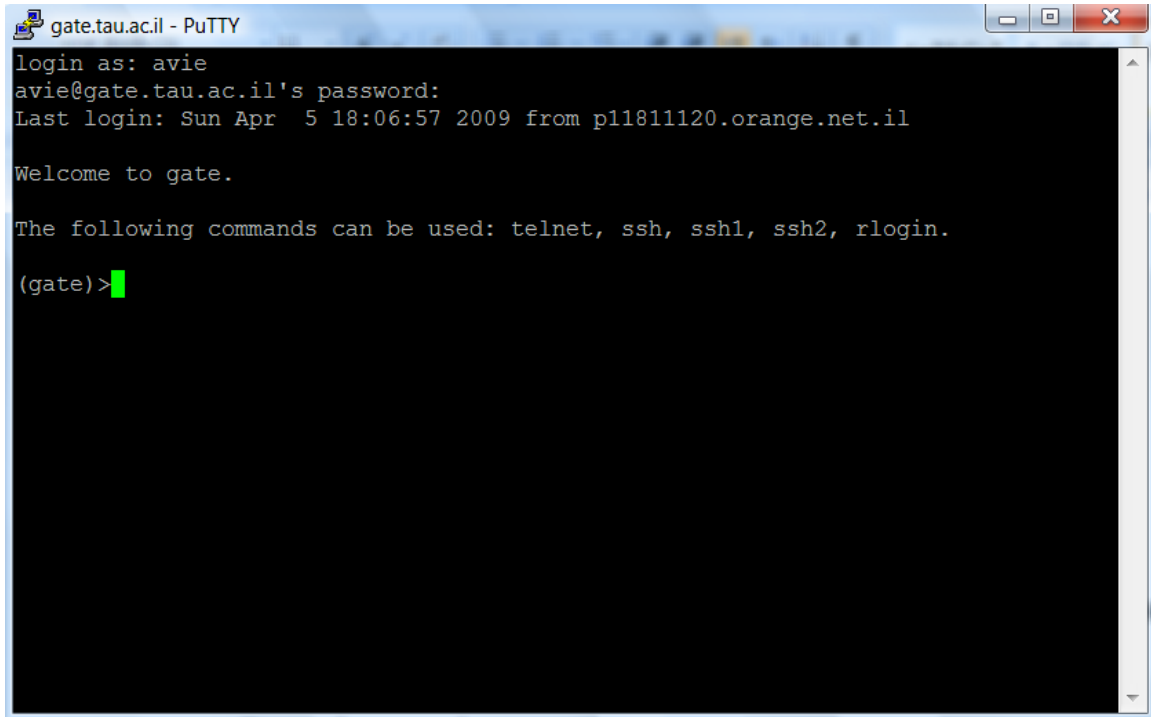
You should get the view shown in next screenshot



**OPTIONALLY**, you may save this putty session, although for next login you may need to set the port again based on the new vnc number. Assuming you called the saved session vnc, you may load and modify it next time

NOW press **Open** and the second putty screen is opened, as shown in screenshot below.

1. Login again to gate with your post username and password. (In this example the username is avie).
2. Leave also this SECOND putty open, no need for further action in this putty.
3. Minimize both putty windows so that you don't close them unintentionally.



```
gate.tau.ac.il - PuTTY
login as: avie
avie@gate.tau.ac.il's password:
Last login: Sun Apr 5 18:06:57 2009 from p11811120.orange.net.il

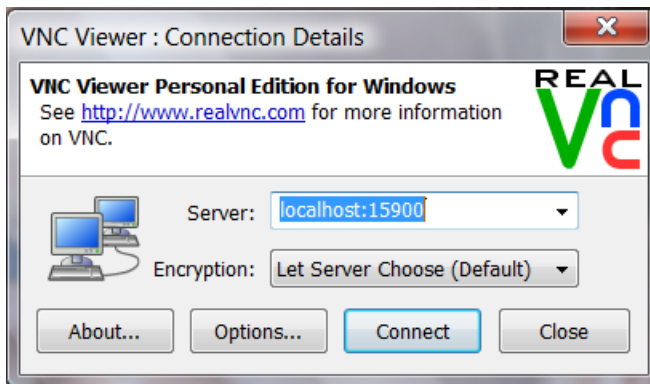
Welcome to gate.

The following commands can be used: telnet, ssh, ssh1, ssh2, rlogin.

(gate)>
```

## Activating VNC

1. Run the **VNC VIEWER** program on your computer.
2. Type **localhost:15900** as Server name



Press the **Connect** button.

In the next window type your **vnc password** on **archlab5.eng**

