

Connecting to Linux servers using MobaXterm

To use the computational cluster, you must have a Linux account and if you are interested in working remotely via the Wi-Fi network in the campus you must obtain a VPN account.

Connecting to the VPN: Please follow the instructions in the guide:

<https://ict.biu.ac.il/sites/ict/files/guide-to-setting-up-a-vpn-connection-for-scientific-computing.pdf>

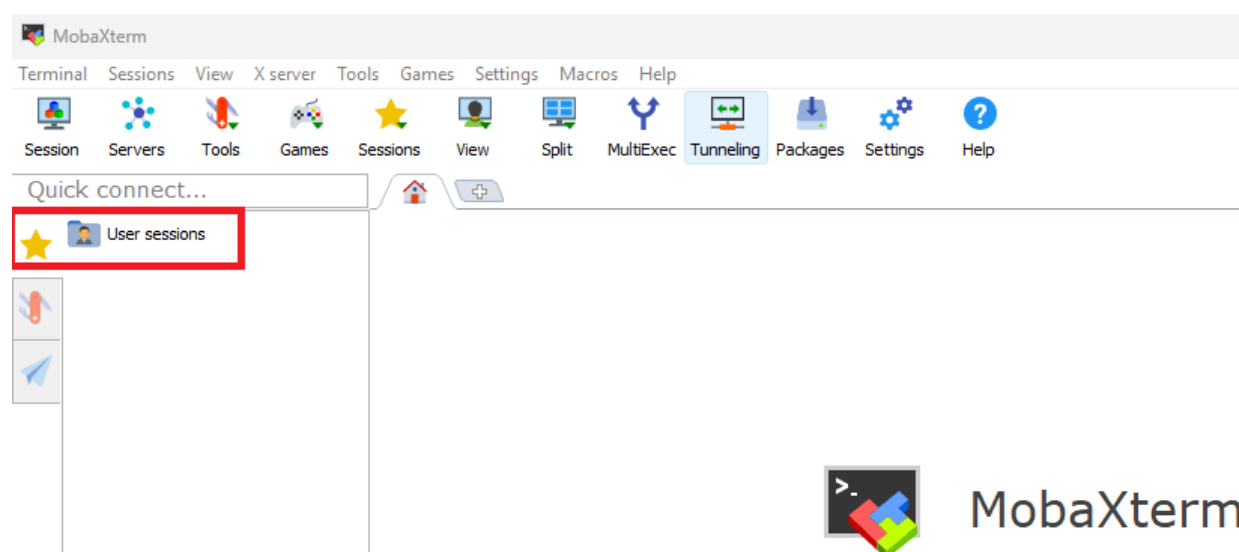
You may use one of many options to connect to servers via SSH, following please find an example of using MobaXterm.

For student MobaXterm is free and can be downloaded from

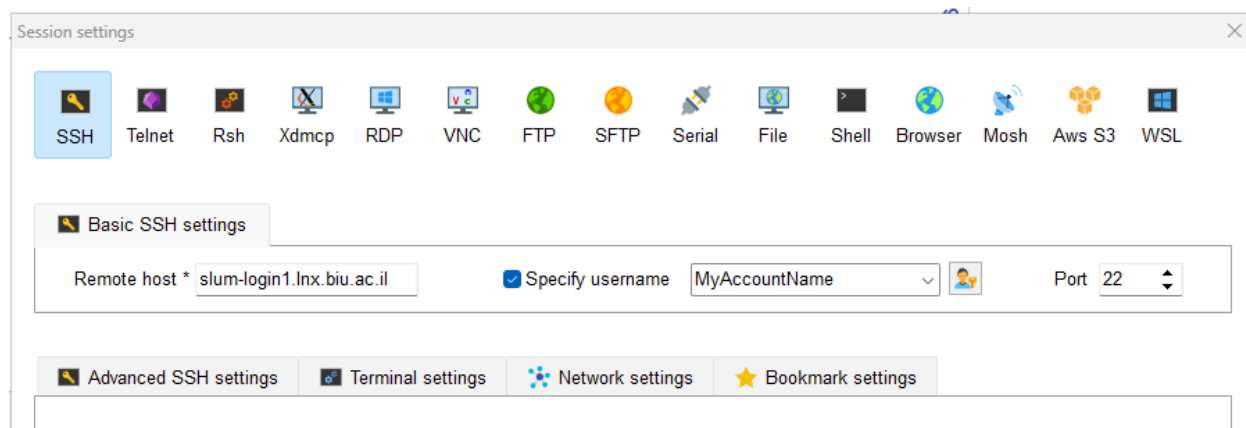
<https://mobaxterm.mobatek.net/download-home-edition.html>

For faculty, a license must be purchased.

After starting the application, right click on **User Sessions** and choose **New Session**

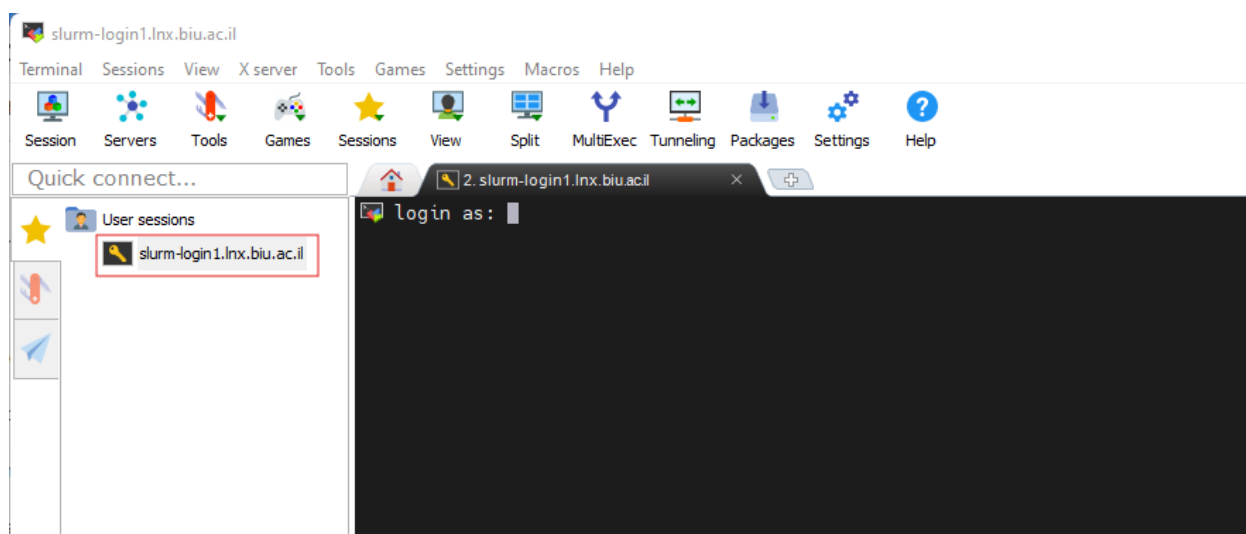


On the following screen choose SSH fill in the required details: "Remote host" and you may at this point also fill in "Specify username" and press OK at the bottom of the screen



described in the screenshot below:
And press the OK button.

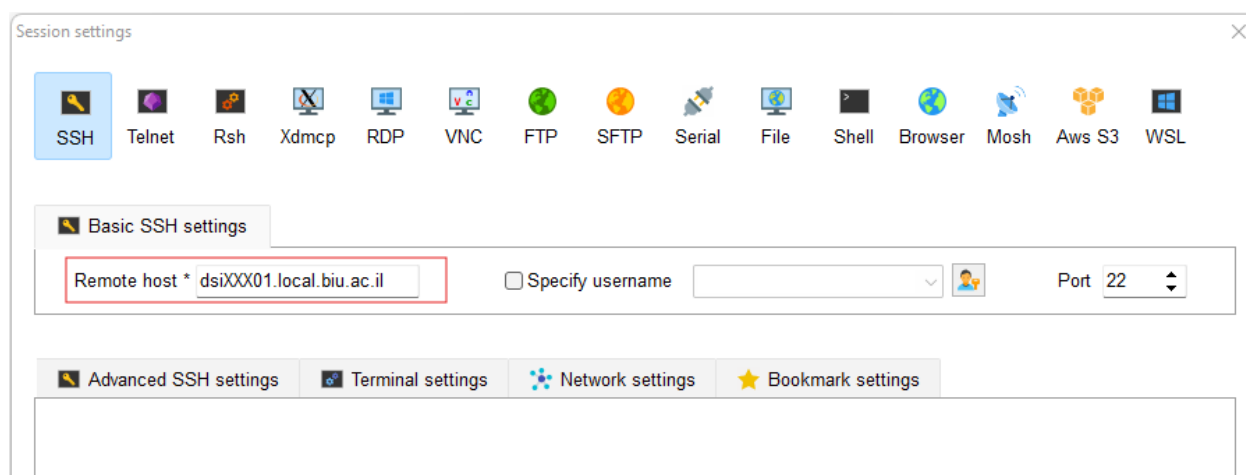
After defining the access server, you can double-click the session under "User sessions" folder and an SSH window will open:



To define additional session definitions to other servers, you can duplicate the server you created by right clicking on the session, choose Duplicate and then edit the session with the required Remote host name.

You can define access to a compute node via a Head Node or Jump Server as following:


In the "Remote host" field, enter the name of the compute node.



Session settings

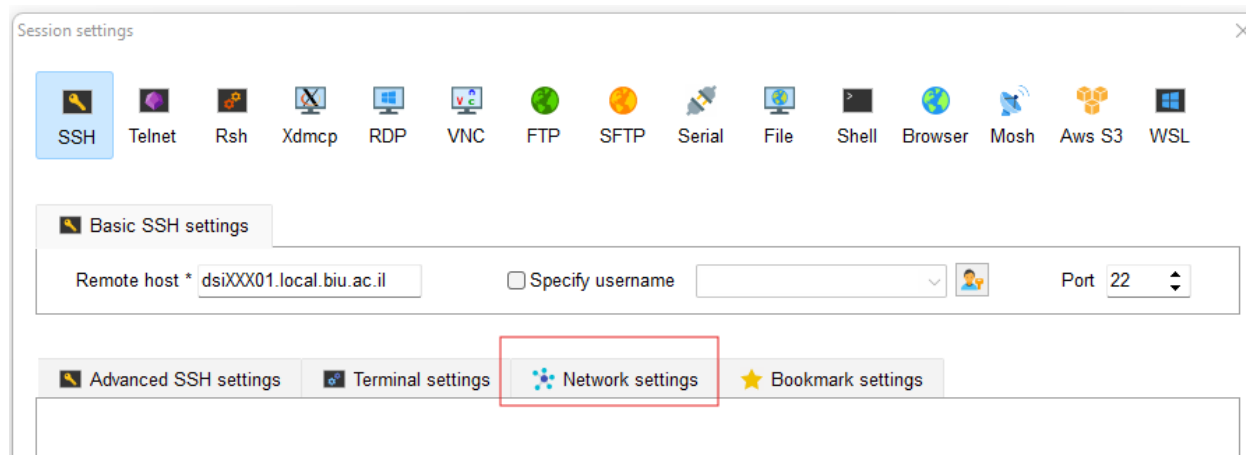
SSH Telnet Rsh Xdmcp RDP VNC FTP SFTP Serial File Shell Browser Mosh Aws S3 WSL

Basic SSH settings

Remote host * dsiXXX01.local.biu.ac.il ☐ Specify username  Port 22

Advanced SSH settings Terminal settings Network settings Bookmark settings


and then click on the bar "SSH gateway (jump host)".



Session settings

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Basic SSH settings

Remote host * dsiXXX01.local.biu.ac.il ☐ Specify username  Port 22

Advanced SSH settings Terminal settings Network settings Bookmark settings

where you enter the Head Node or Jump Server name:

MobaXterm jump hosts configuration



Define one or several SSH jump hosts

(Jump through one or several SSH servers in order to reach your end-server)

Gateway host	Username	Port	<input type="checkbox"/> Use SSH key
dsihead.lnx.biu.ac.il		22	

After defining the session for the compute node, you can double-click the session under "User sessions" folder and an SSH window will open as demonstrated above.