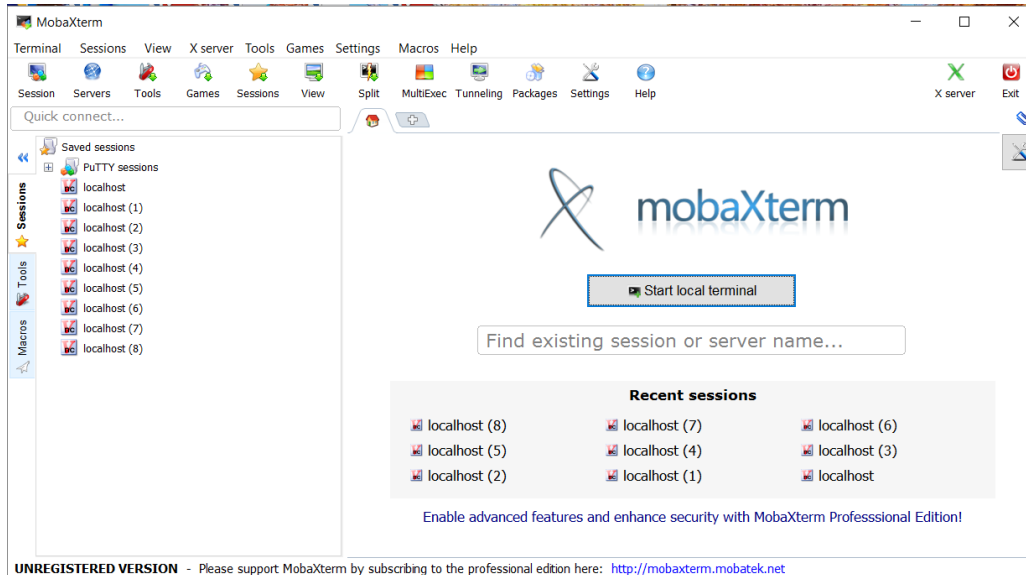
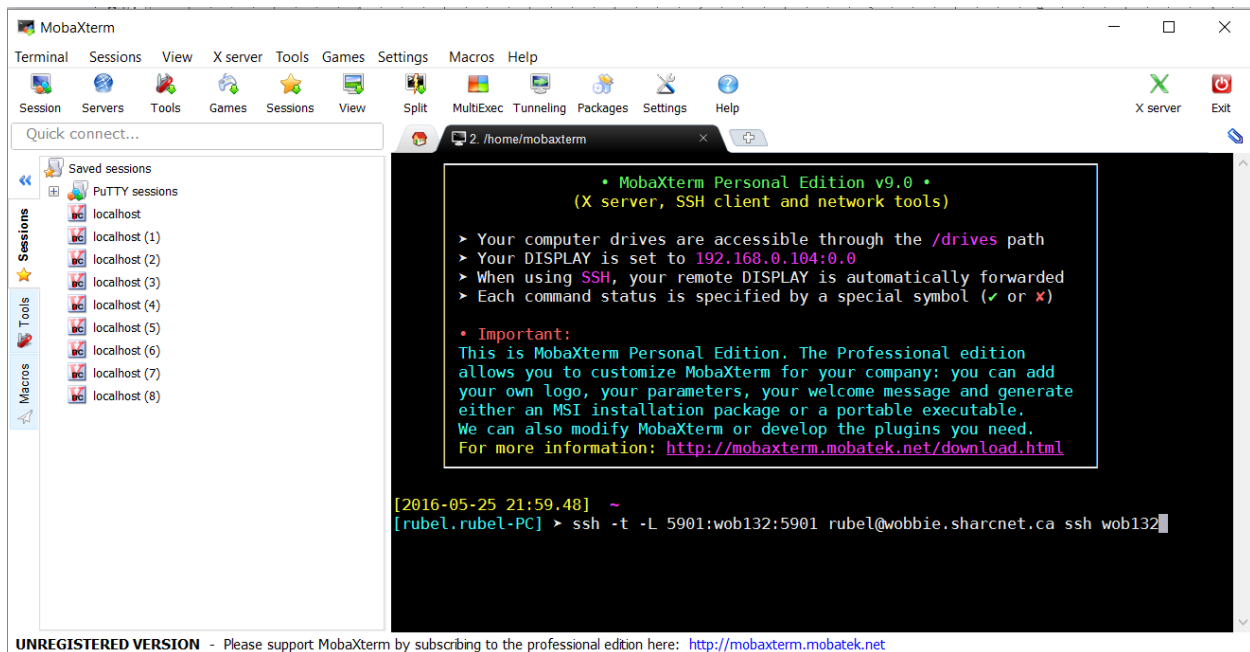


Instructions on how to connect to Sharcnet server, setup VNC viewer and SFTP file transfer

- Get “MobaXterm Home Edition” <http://mobaxterm.mobatek.net/download-home-edition.html>
- Lunch MobaXterm



- Select “Start local terminal”
- In the command line type: “ssh -t -L 59XX:wobYYY:59XX w2kXX@wobbie.sharcnet.ca ssh wobYYY” where XX is your registration number (e.g., 02), and YY is the server number (e.g., 123). Enter your password when prompted.



- The screenshot displays the MobaXterm application window. The top menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. Below the menu is a toolbar with icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, and Help. On the right side, there are buttons for X server and Exit. The left sidebar contains a 'Quick connect...' search bar and a list of saved sessions under the 'Sessions' tab. The main terminal window shows a terminal session with the prompt 'rubel@wob132:~'. The session content includes setting various environment variables for WANNIER, PHONOPY, XCrySDen, and the scratch directory, followed by a confirmation message and a shell prompt.

```
rubel@wob132:~  
WANNIER_ROOT=/home/rubel/wannier90-2.0.1  
PHONOPY_ROOT=/home/rubel/phonopy-1.10.8  
XCrySDen_TOPDIR=/home/rubel/XCrySDen-1.5.17-bin-semishared  
EDITOR=vim  
PATH=/opt/sharcnet/matlab/R2014a/bin:/opt/sharcnet/octave/4.0.0/bin:/opt/sharcnet/python/2.7.8/intel/bin:/opt/sharcnet/sq/bin:/opt/sharcnet/ldwrapper/bin:/opt/sharcnet/openmpi/1.6.2/intel/bin:/opt/sharcnet/intel/12.1.3/icc/bin:/opt/sharcnet/intel/12.1.3/ifc/bin:/opt/sharcnet/intel/12.1.3/sb/bin:/usr/lib64/qt-3.3/bin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/local/sbin:/home/rubel/bin:/home/rubel/w2k-14.2:/home/rubel/wannier90-2.0.1:/home/rubel/w2k-14.2/SRC_structureditor/bin:/home/rubel/XCrySDen-1.5.17-bin-semishared:/home/rubel/XCrySDen-1.5.17-bin-semishared/bin  
STRUCTUREDIT_PATH=/home/rubel/w2k-14.2/SRC_structureditor/bin  
OCTAVE_PATH=/home/rubel/w2k-14.2/SRC_structureditor/bin  
OCTAVE_EXEC_PATH=/home/rubel/w2k-14.2:/home/rubel/w2k-14.2/SRC_structureditor/bin  
BERRYPI_PATH=/home/rubel/w2k-14.2/SRC_BerryPI/BerryPI  
BERRYPI_PYTHON=/opt/sharcnet/python/2.7.8/intel/bin/python  
SCRATCH=/scratch/rubel  
The scratch directory is /scratch/rubel  
PYTHONPATH=/opt/sharcnet/python/2.7.8/intel/lib:/opt/sharcnet/python/2.7.8/intel/lib/python2.7/site-packages:/home/rubel/phonopy-1.10.8/lib/python  
XCrySDen_SCRATCH=/scratch/rubel/xcrysdn_scratch  
The scratch directory for XCrySDen is /scratch/rubel/xcrysdn_scratch  
OMP_NUM_THREADS=2  
++++++ End setting env. variables ++++++  
[rubel@wob132 ~]$
```

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <http://mobaxterm.mobatek.net>

-

- In the new window put “localhost” for the address and your specific port number 59XX, where XX is your registration number (e.g., 02).
You will be prompted for the password once again.

Session settings ✕


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

Basic Vnc settings

Remote hostname or IP address * Port

Advanced Vnc settings Network settings Bookmark settings

VNC session

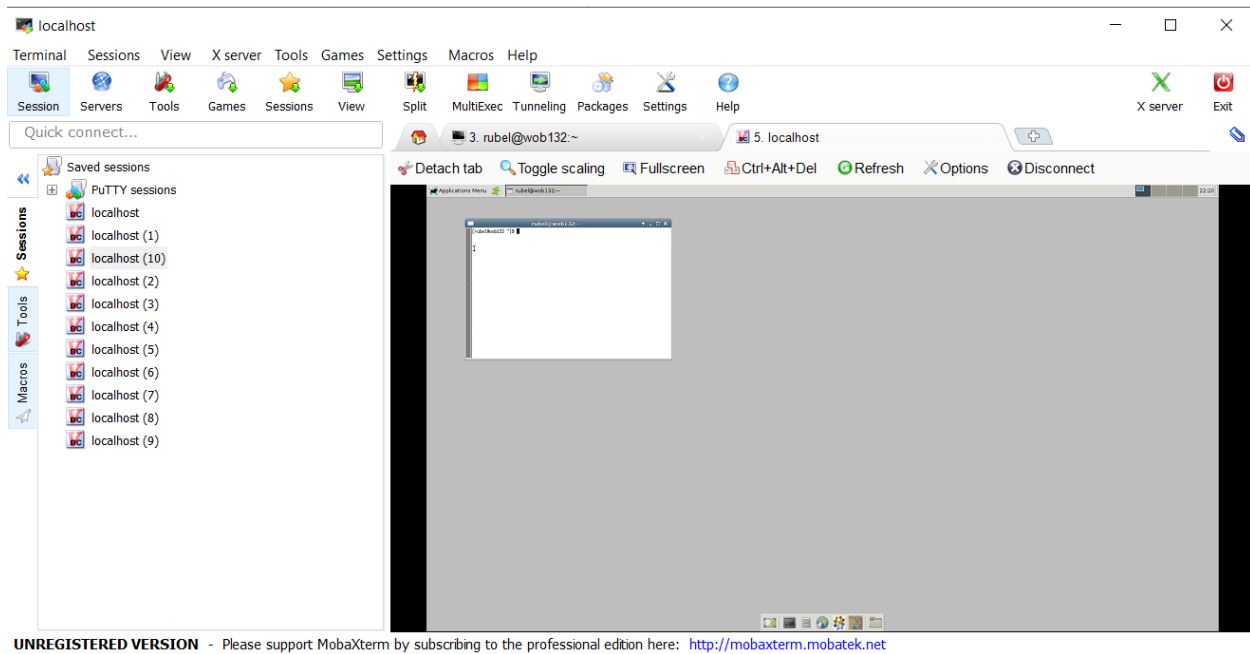


OK



Cancel

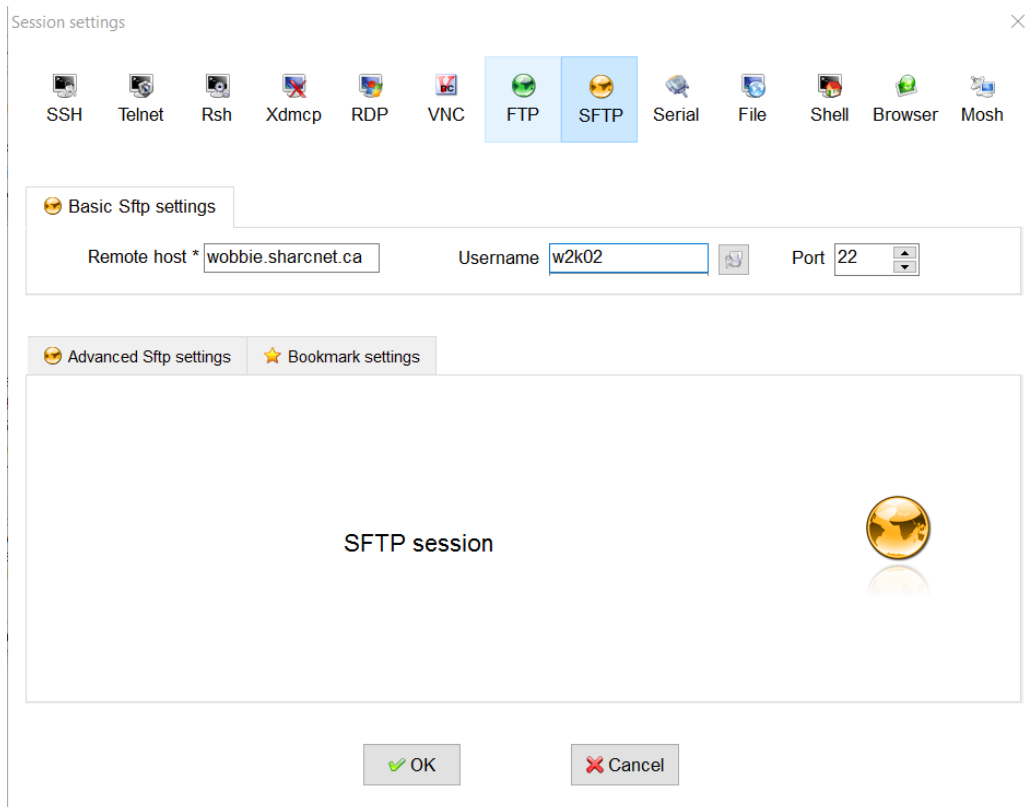
3 | Page

- If the connection is successful, you will see a Linux desktop



- Maximise the desktop window by pressing the button **Fullscreen**
- You can exit the full screen mode by navigating the mouse to the upper left corner of the screen and selecting **Fullscreen**.

- The SFTP file exchange is possible by choosing  from  (upper left corner of MobaXterm). Enter “wobbie.sharcnet.ca” for the remote host and “w2kXX” for the user name (where XX is your registration number)



- Once connected you will see a convenient interface for transferring files between the local computer and Sharcnet server.

