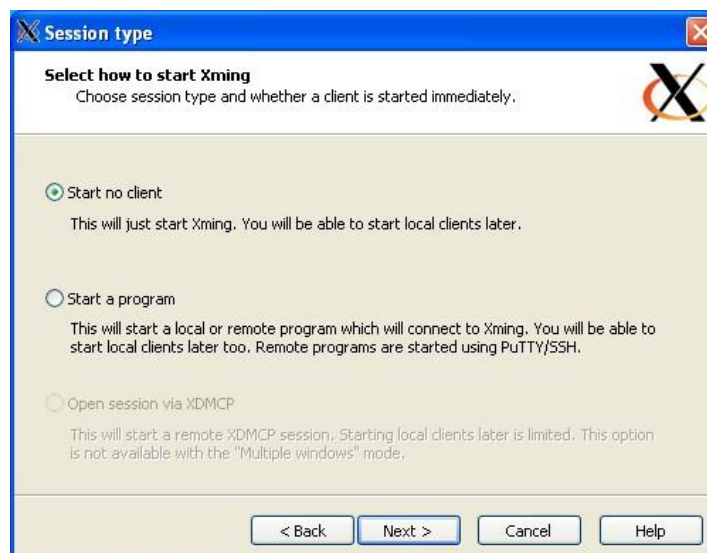
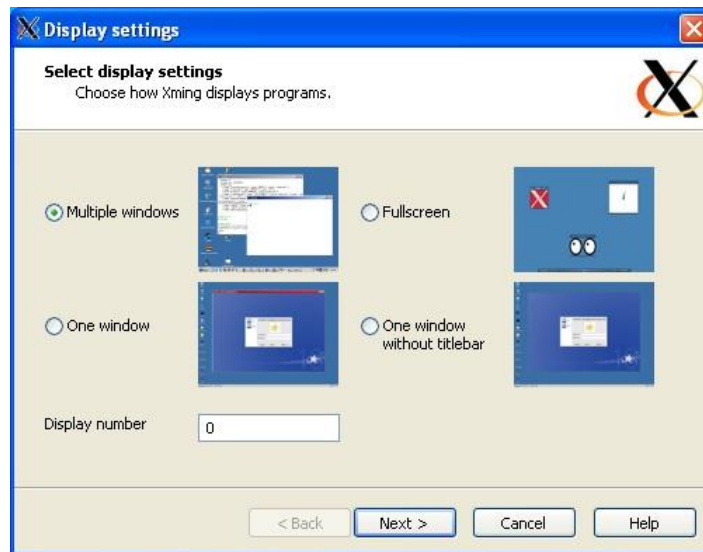
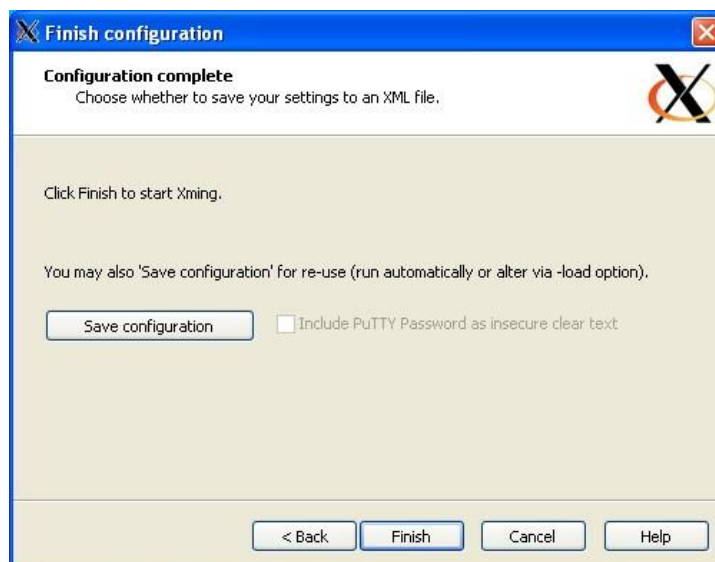
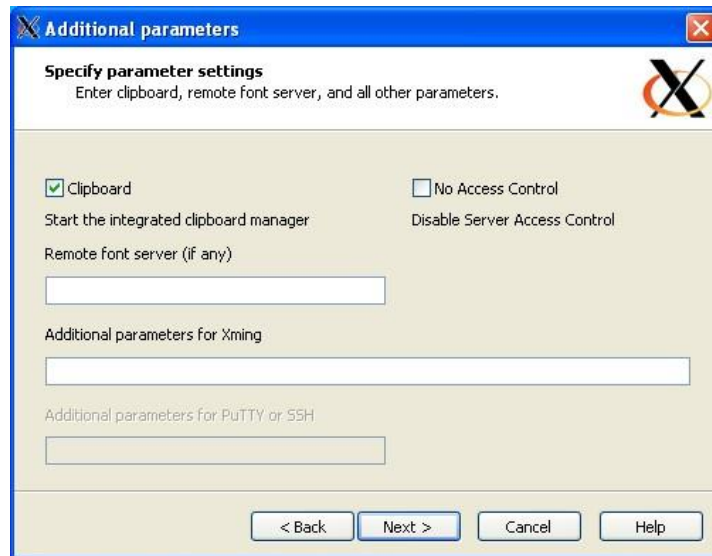


Set up a remote display via SSH

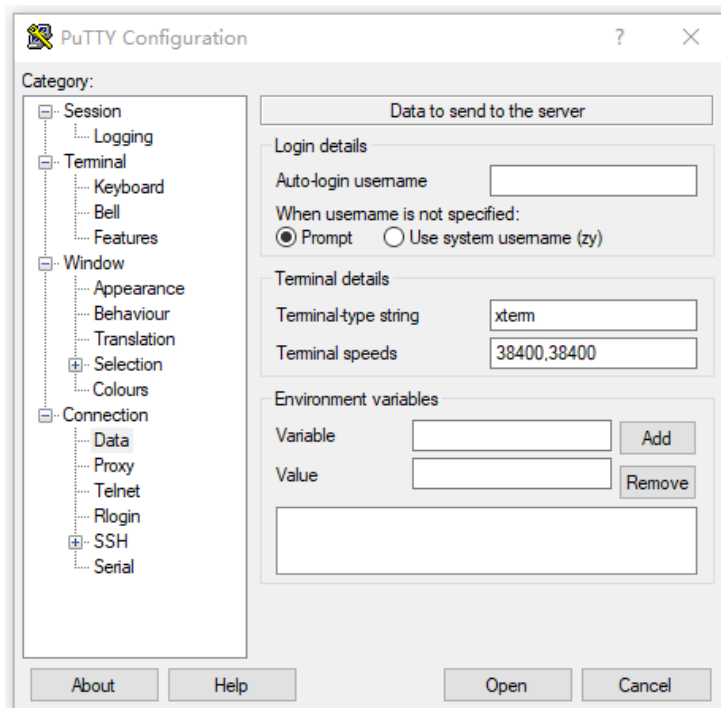
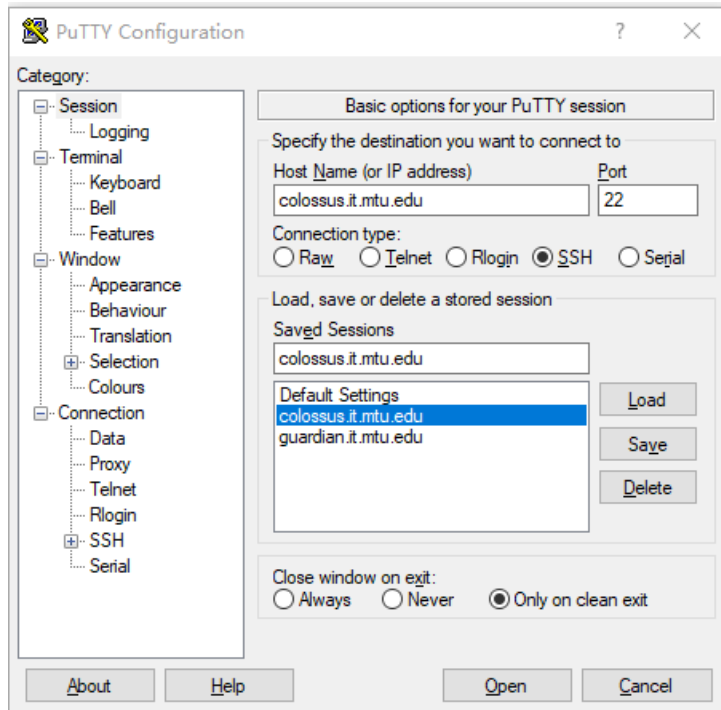
If you use a PC running Windows to connect to MTU server (colossus.it.mtu.edu), the PC interacts with the server through the X-windows system, forwarding the display from the server to the PC.

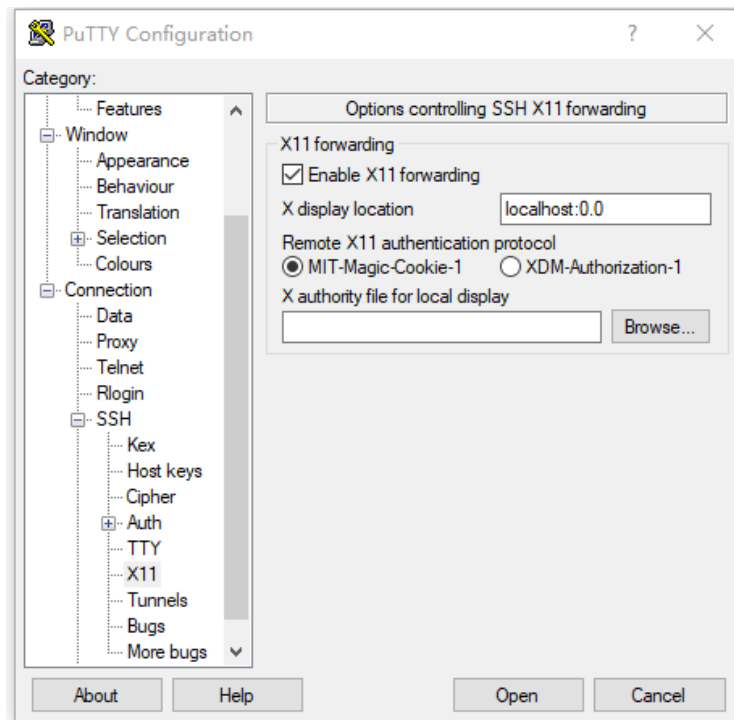
1. You need to download and install two clients:
 - a) PuTTY : <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>
 - b) Xming: <https://sourceforge.net/projects/xming/>
2. Run 'XLaunch' and configure Xming as follows:



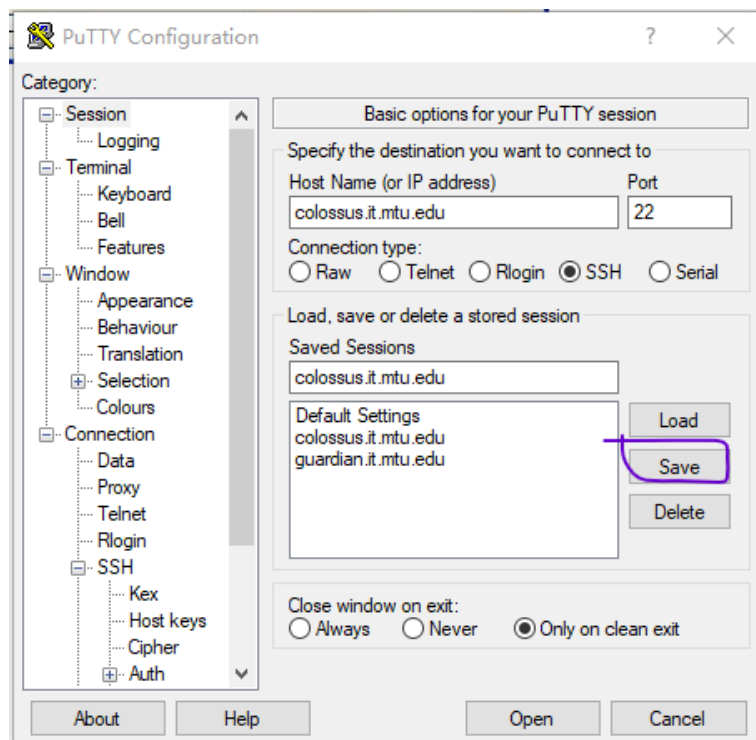


3. Configure PuTTY as follows:





Save the configuration



4. Click Open to open the terminal window, use your own Michigan Tech account name and password to login

5. Compile your program with ThreadMentor Visualization library.
Here is a Makefile example.

```

1  CC = c++
2  FLAGS =
3  CFLAGS = -g -O2
4  DFLAGS = -DPACKAGE=\"threadsystem\" -DVERSION=\"1.0\" -DPTHREAD=1 -DUNIX_MSG_Q=1 -DSTDC_HEADERS=1
5  IFLAGS = -I/local/eit-linux/apps/ThreadMentor/include
6  TMLIB = /local/eit-linux/apps/ThreadMentor/Visual/libthreadclass.a
7  TMLIB_NV = /local/eit-linux/apps/ThreadMentor/NoVisual/libthreadclass.a
8
9  OBJ_FILE = thread.o thread-main.o
10 EXE_FILE = prog3
11
12 ${EXE_FILE}: ${OBJ_FILE}
13     ${CC} ${FLAGS} -o ${EXE_FILE} ${OBJ_FILE} $(TMLIB) -lpthread
14
15 thread.o: thread.cpp
16     ${CC} ${DFLAGS} ${IFLAGS} ${CFLAGS} -c thread.cpp
17
18 thread-main.o: thread-main.cpp
19     ${CC} ${DFLAGS} ${IFLAGS} ${CFLAGS} -c thread-main.cpp
20
21 noVisual: ${OBJ_FILE}
22     ${CC} ${FLAGS} -o ${EXE_FILE} ${OBJ_FILE} ${TMLIB_NV} -lpthread
23
24 clean:
25     rm -f ${OBJ_FILE} ${EXE_FILE}
26

```

6. Run your program, ThreadMentor Visualization windows will display

