

## Instructions on connecting to CIBR server and opening graphical interfaces on Windows (example Matlab)

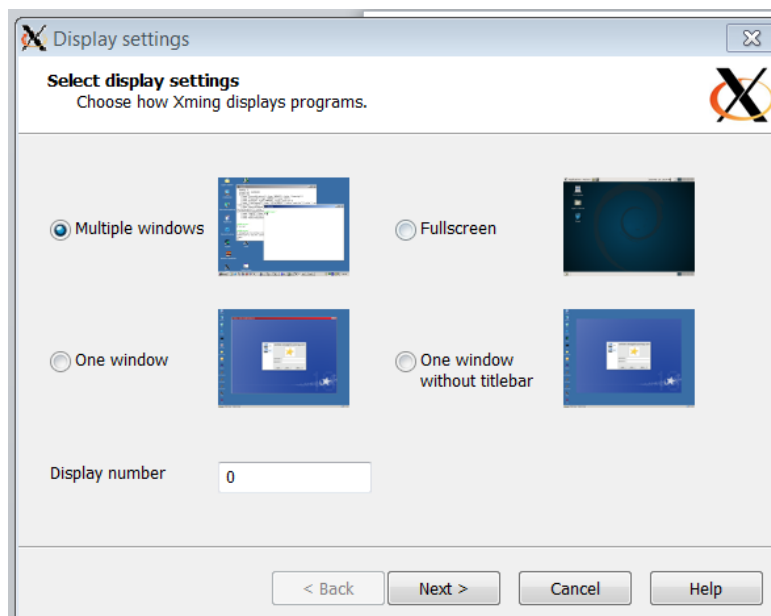
### For this recipe to work, you need:

- Windows computer with access to CIBR server
- Putty installed
- Xming installed

In JYU computers Xming is available via the Software Center. If Putty is not already installed on your computer, you can freely download and use it on your computer without administrative rights.

After Xming and Putty are downloaded, set the following settings on them:

### Xlaunch:



**Session type**

**Select how to start Xming**  
Choose session type and whether a client is started immediately.

**Start no client**  
This will just start Xming. You will be able to start local clients later.

**Start a program**  
This will start a local or remote program which will connect to Xming. You will be able to start local clients later too. Remote programs are started using PuTTY/SSH.

**Open session via XDMCP**  
This will start a remote XDMCP session. Starting local clients later is limited. This option is not available with the "Multiple windows" mode.

< Back   Next >   Cancel   Help

**Additional parameters**

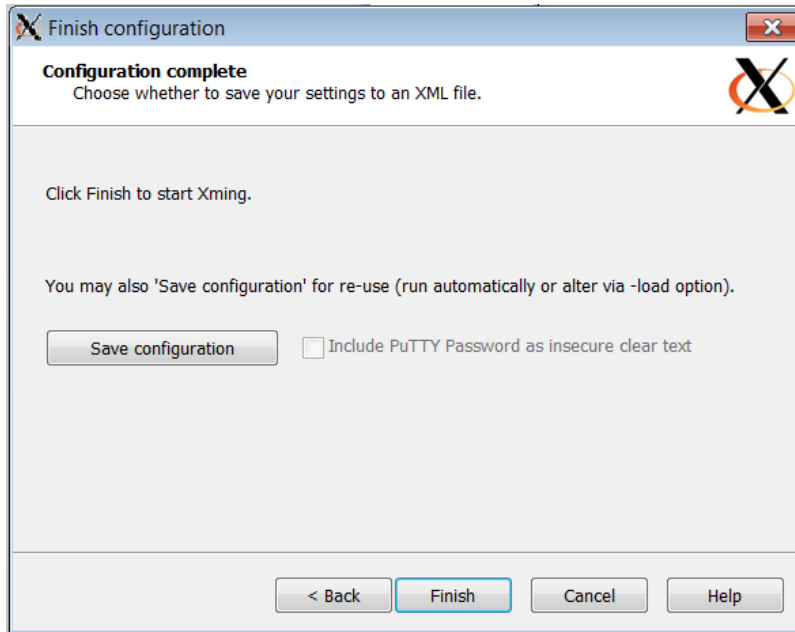
**Specify parameter settings**  
Enter clipboard, remote font server, and all other parameters.

**Clipboard**                       **No Access Control**  
Start the integrated clipboard manager                      Disable Server Access Control

Remote font server (if any)

Additional parameters for Xming

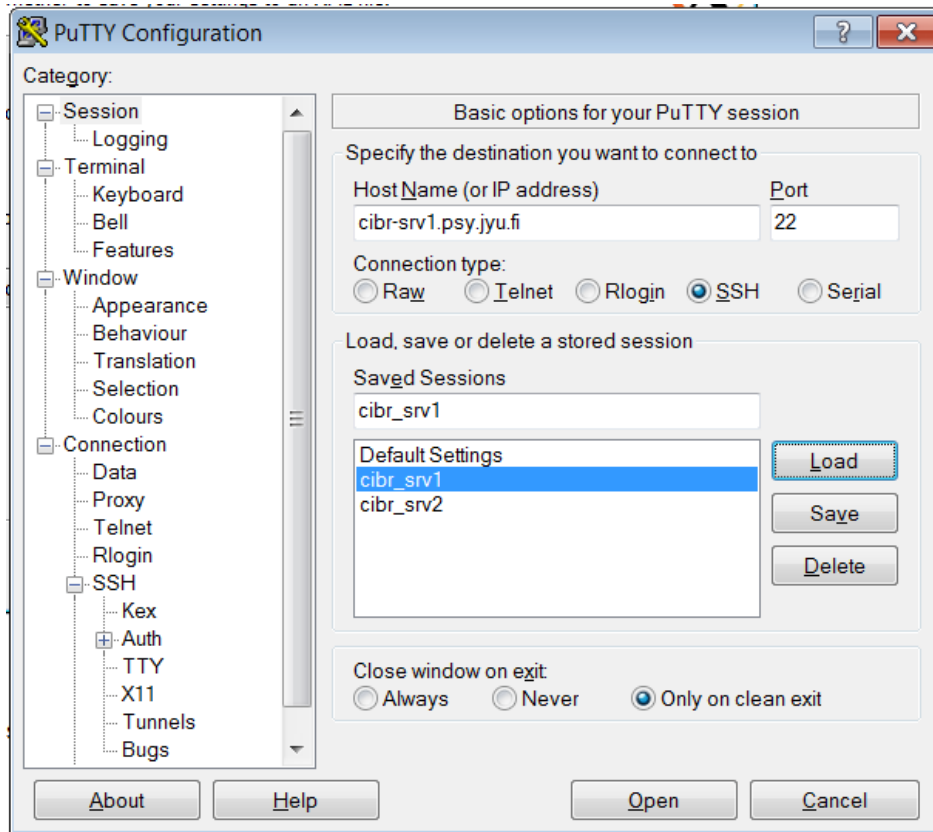
< Back   Next >   Cancel   Help



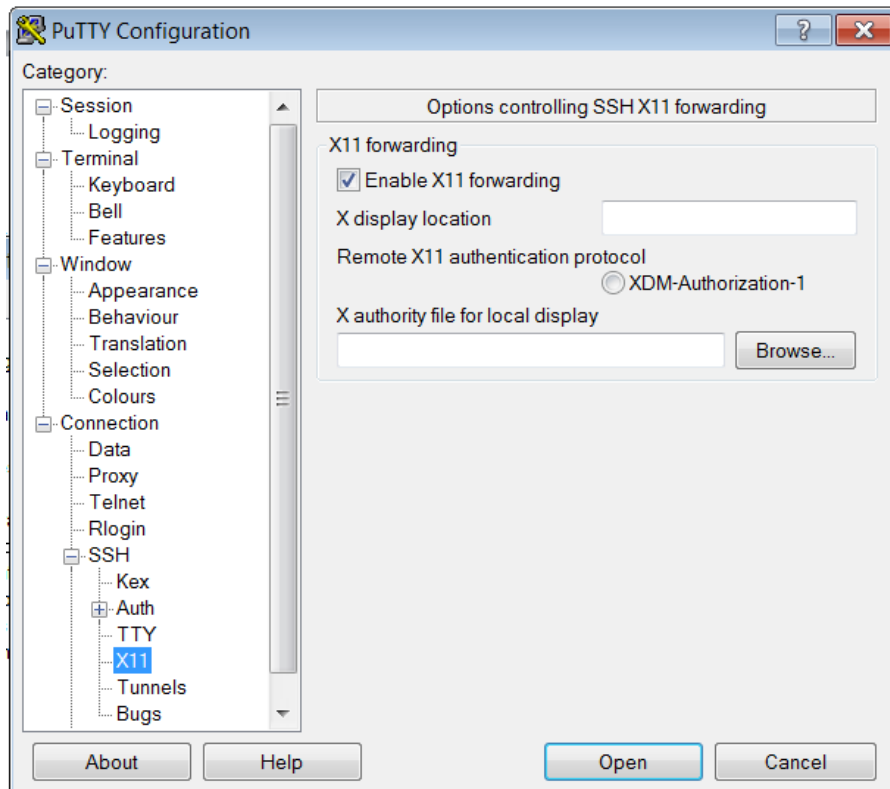
X-windowing system is started by running the program Xming.

## Putty:

To ease your future connections, first create a new “Saved session” by writing any name you want to “Saved Sessions” box and the server address to “Host name”. The server address can be either “cibr-srv1.psy.jyu.fi” or “cibr-srv2.psy.jyu.fi”. Port is 22 and connection type is SSH.



Next enable the X11 forwarding in X11.



Everything else can be in their default settings.

Go back to "Session" and press save on you "Saved sessions" to save your session which you can in future just run by double clicking from the "Saved sessions" or by first loading it and then pressing "Open".

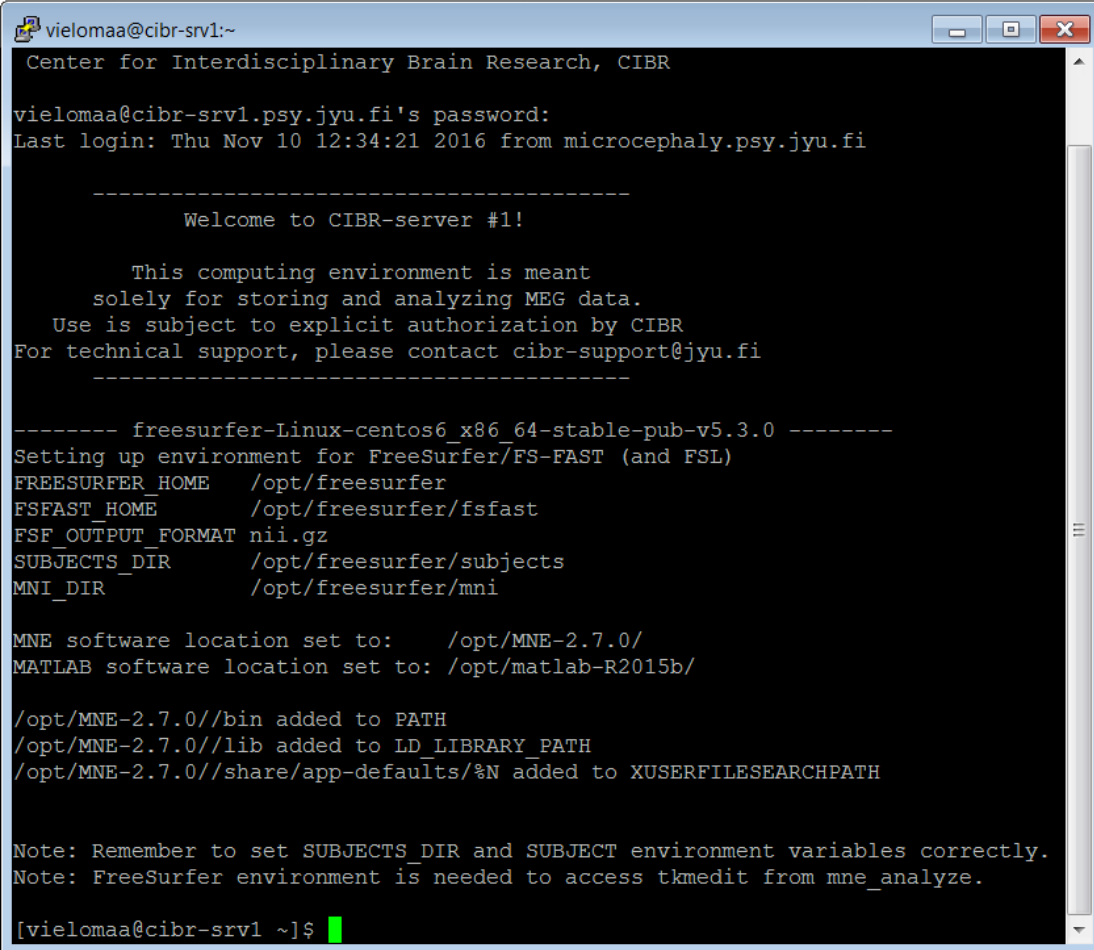
## Opening Matlab with Putty

First run Xming. This will create a stylized X-icon in the lower right corner of the Windows taskbar which indicates that the X-windowing is now available.

Open SSH connection with Putty to CIBR-server by using the instructions above.

Next you will be asked for your JYU username and password.

Afterwards you will end up to a screen which looks like this:



```
vielomaa@cibr-srv1:~  
Center for Interdisciplinary Brain Research, CIBR  
vielomaa@cibr-srv1.psy.jyu.fi's password:  
Last login: Thu Nov 10 12:34:21 2016 from microcephaly.psy.jyu.fi  
  
-----  
Welcome to CIBR-server #1!  
  
This computing environment is meant  
solely for storing and analyzing MEG data.  
Use is subject to explicit authorization by CIBR  
For technical support, please contact cibr-support@jyu.fi  
-----  
  
----- freesurfer-linux-centos6_x86_64-stable-pub-v5.3.0 -----  
Setting up environment for FreeSurfer/FS-FAST (and FSL)  
FREESURFER_HOME /opt/freesurfer  
FSFAST_HOME /opt/freesurfer/fsfast  
FSF_OUTPUT_FORMAT nii.gz  
SUBJECTS_DIR /opt/freesurfer/subjects  
MNI_DIR /opt/freesurfer/mni  
  
MNE software location set to: /opt/MNE-2.7.0/  
MATLAB software location set to: /opt/matlab-R2015b/  
  
/opt/MNE-2.7.0//bin added to PATH  
/opt/MNE-2.7.0//lib added to LD_LIBRARY_PATH  
/opt/MNE-2.7.0//share/app-defaults/%N added to XUSERFILESEARCHPATH  
  
Note: Remember to set SUBJECTS_DIR and SUBJECT environment variables correctly.  
Note: FreeSurfer environment is needed to access tkmedit from mne_analyze.  
  
[vielomaa@cibr-srv1 ~]$ █
```

Now by typing “Matlab” and pressing enter you should get the program up and running with a graphical user interface. Author of these instructions does not know how well this X-windowing method works with other programs found in the CIBR servers.