

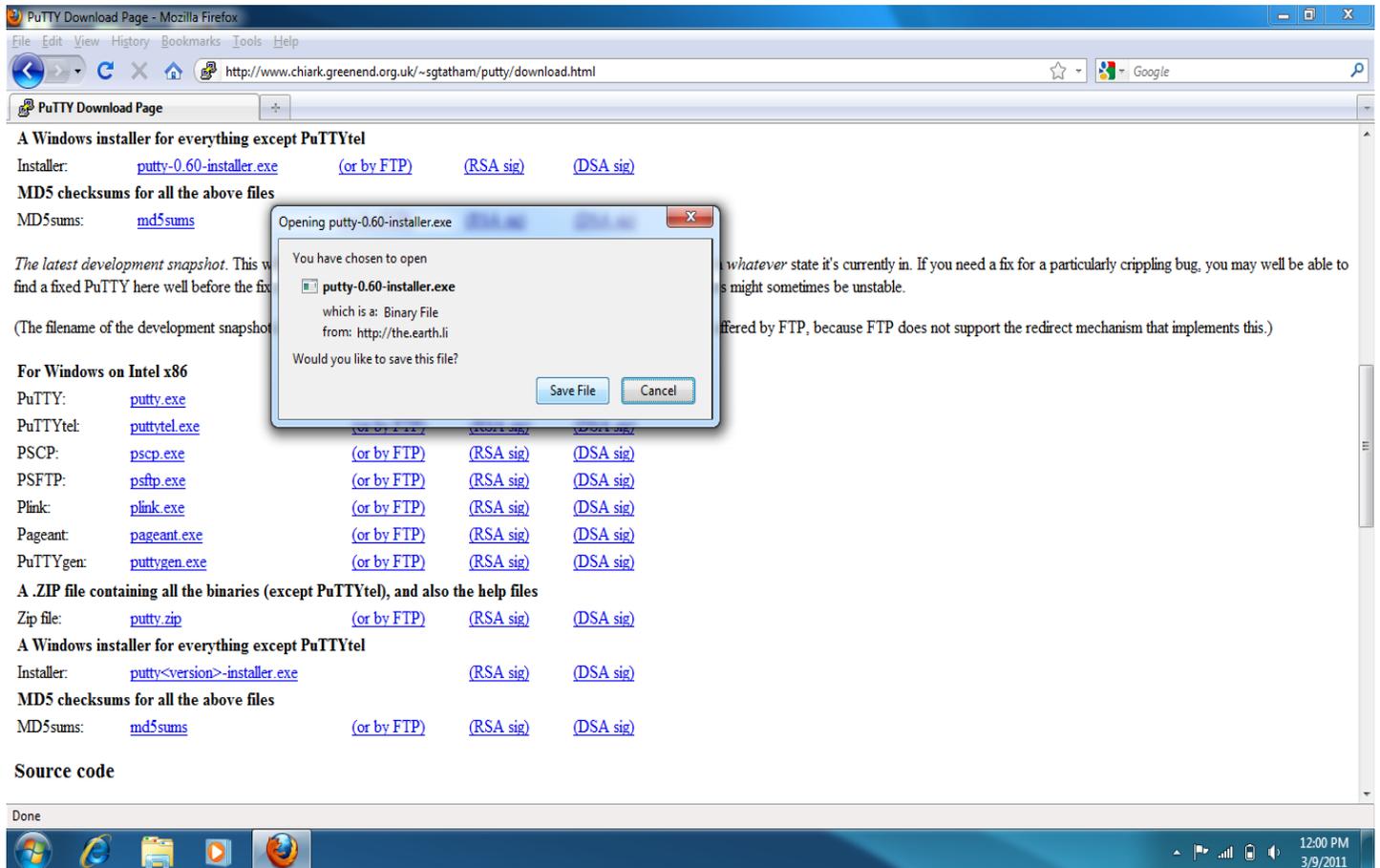
# How to start an X Window Session over SSH using Putty on Windows

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We will first begin by installing the programs required for the whole procedure. Open your favorite web browser and download the Putty Windows Installer located at <http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>

In this tutorial, we are using Firefox 3.6.15 on Windows 7.



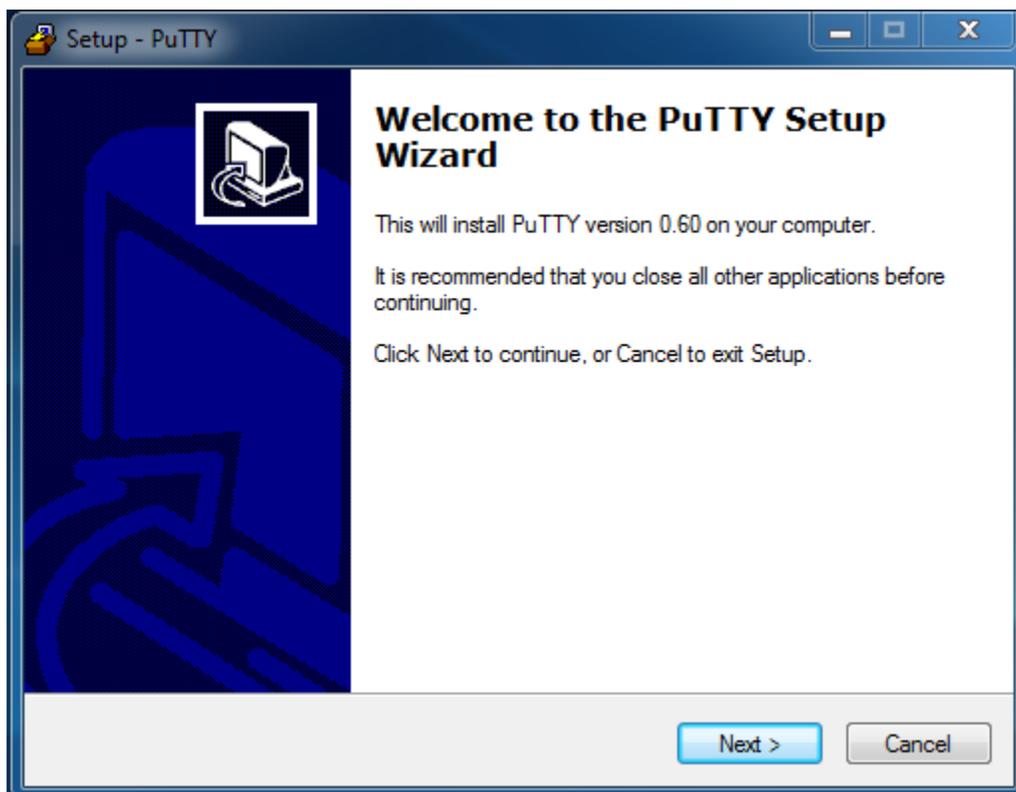
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Run the putty-<version>-installer.exe and follow the on screen instructions. Below are the screenshots for a typical installation.

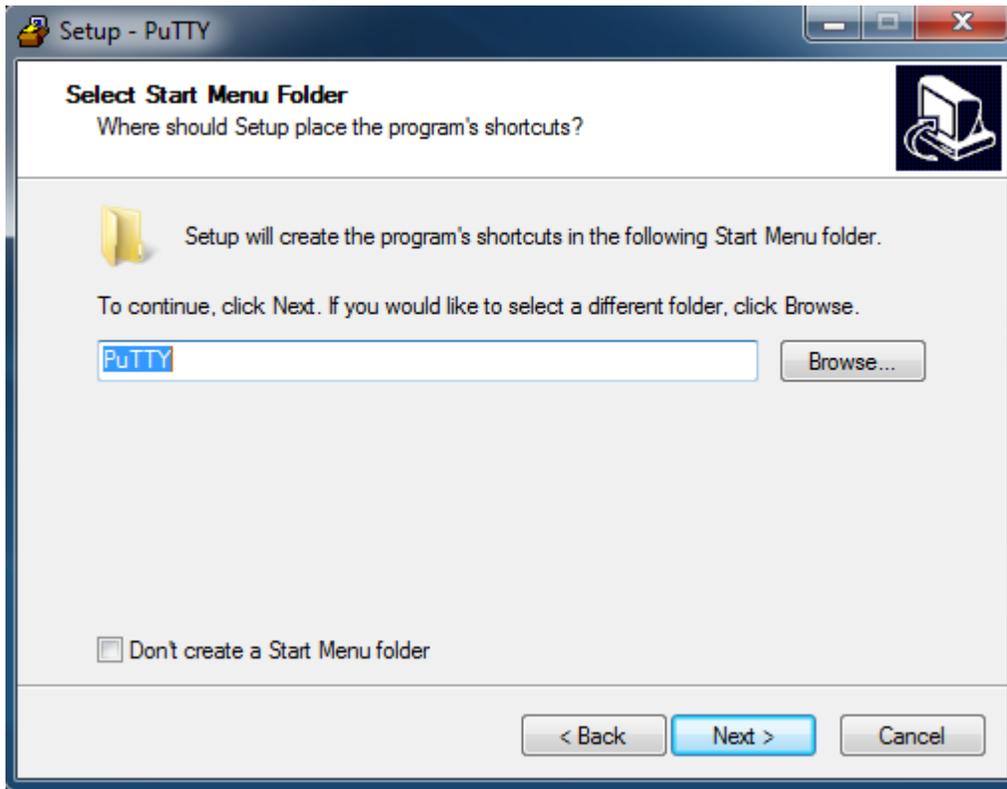
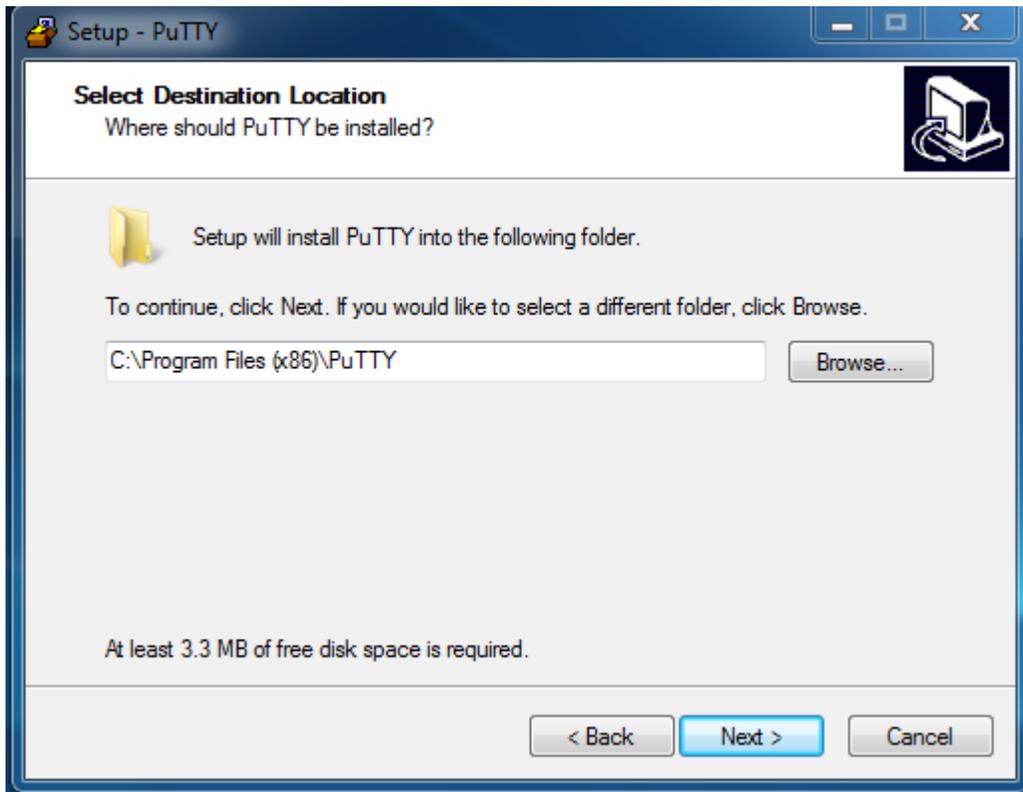


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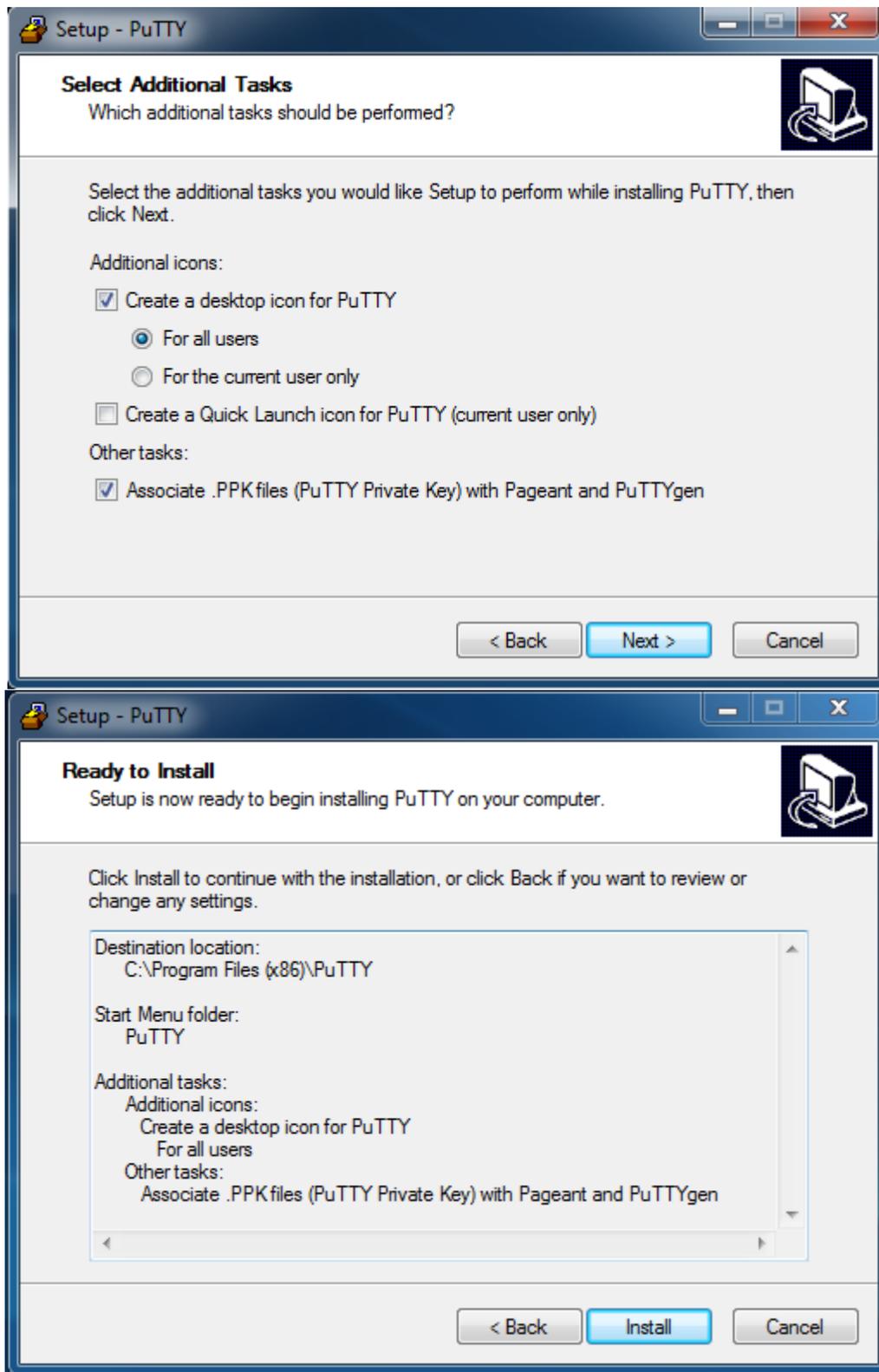


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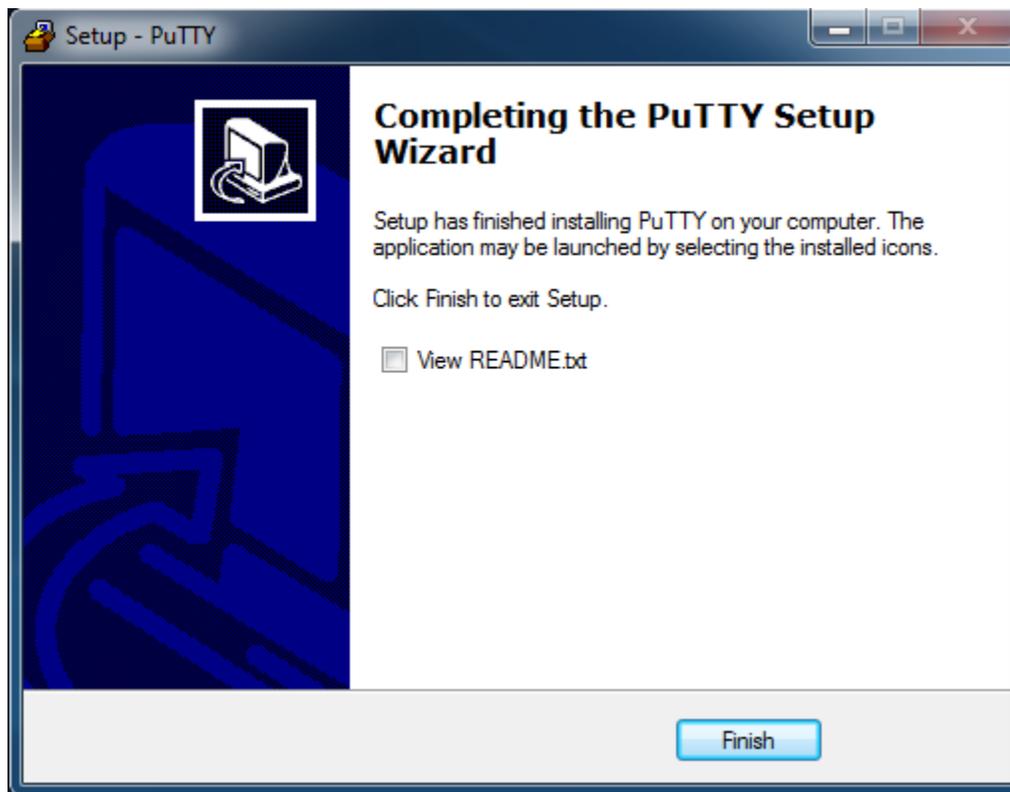


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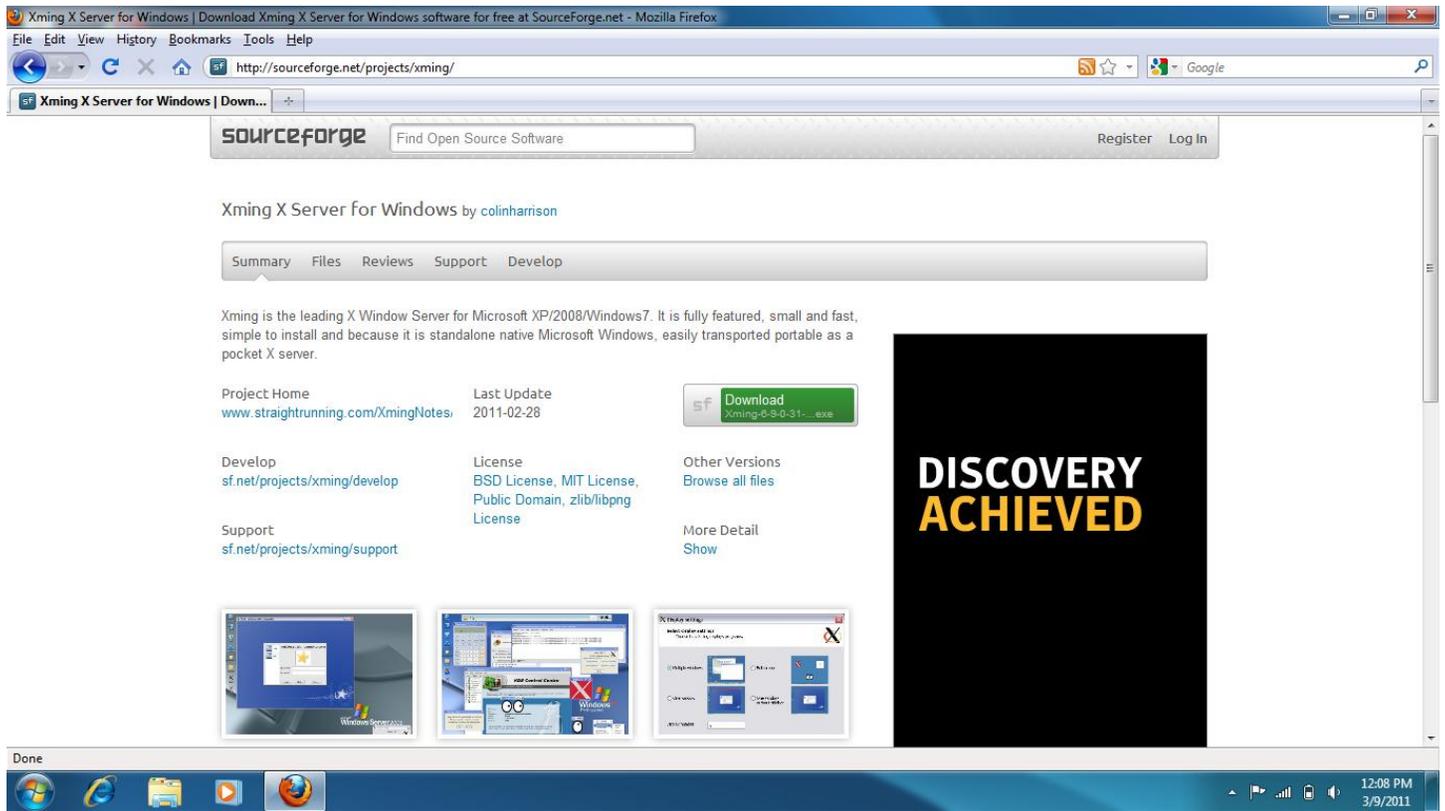


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Then we have to download and install Xming X server which is an X Window Server program. Download Xming program located at <http://sourceforge.net/projects/xming/>



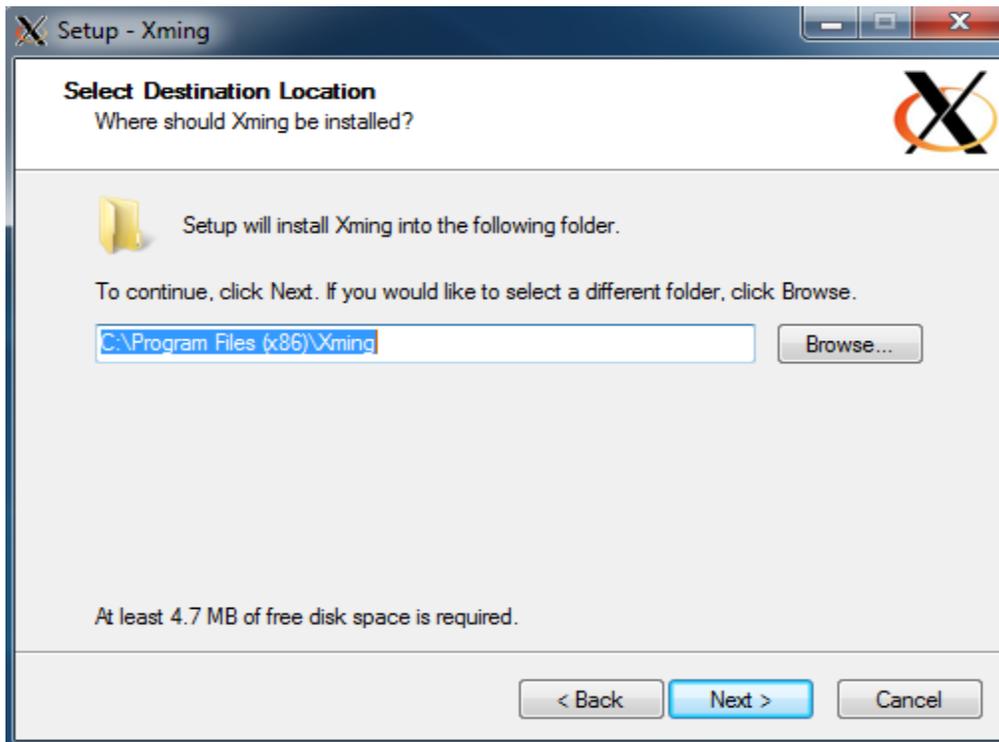
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Below are the screenshots for the installation procedure.



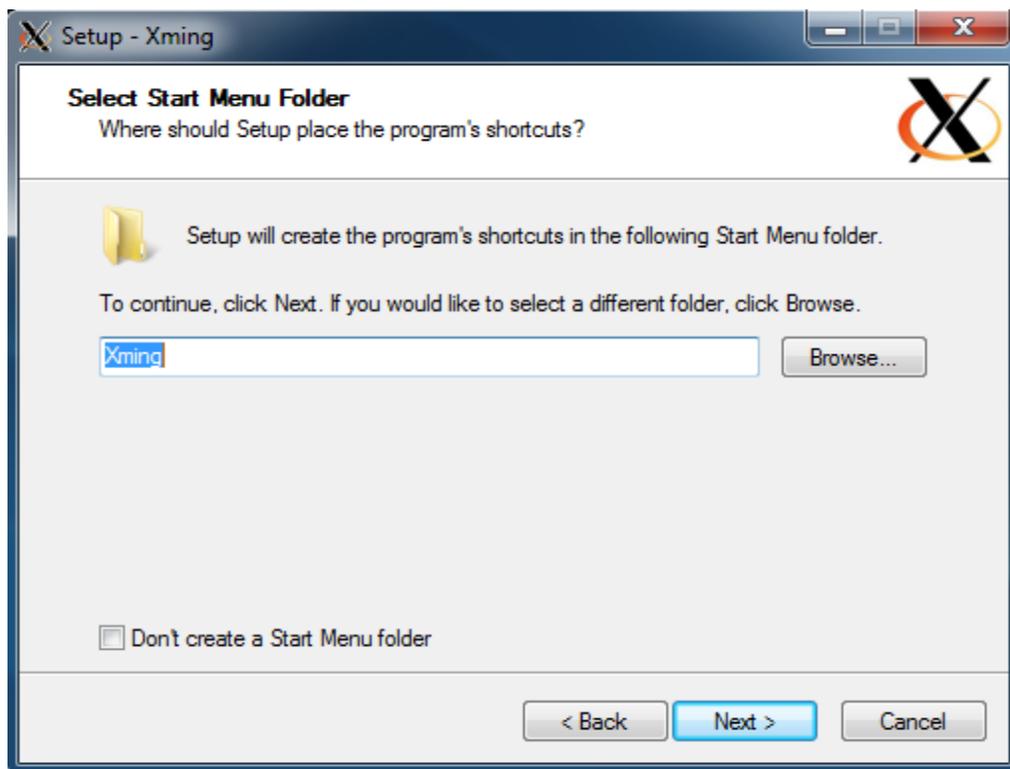
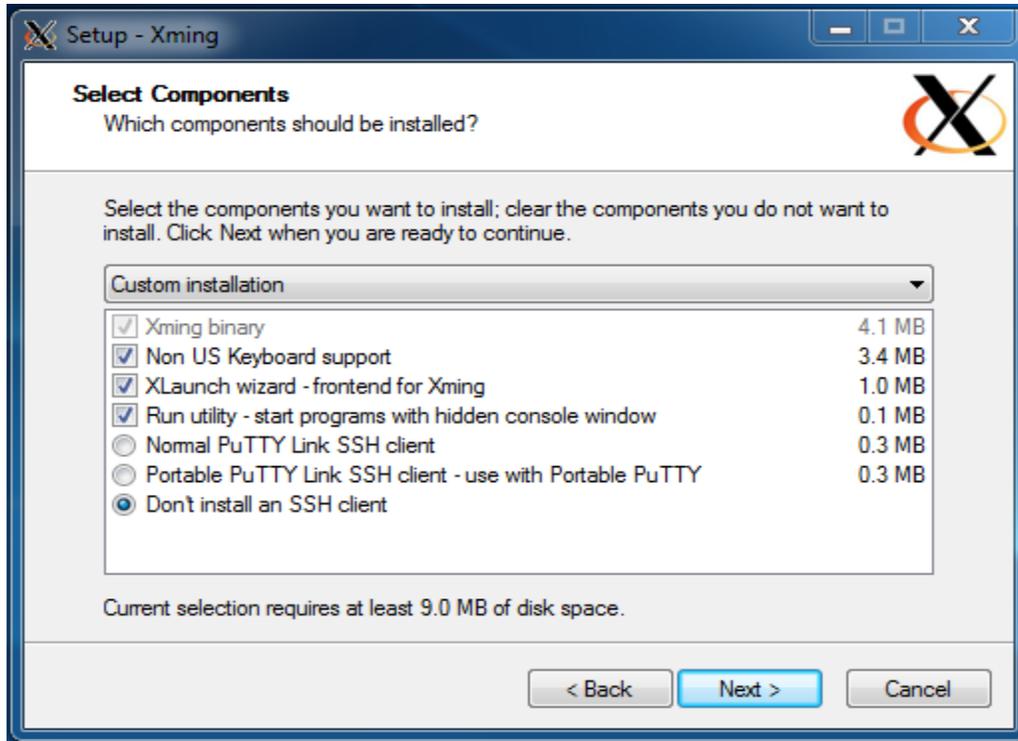
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Select Don't install an SSH Client

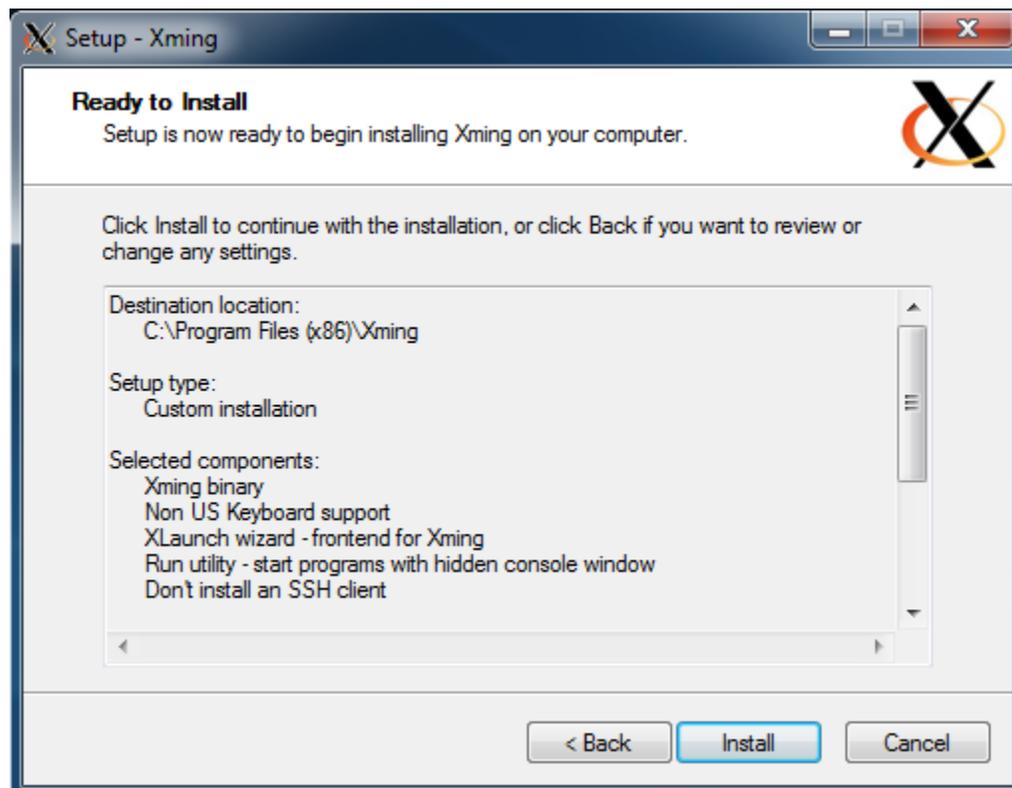
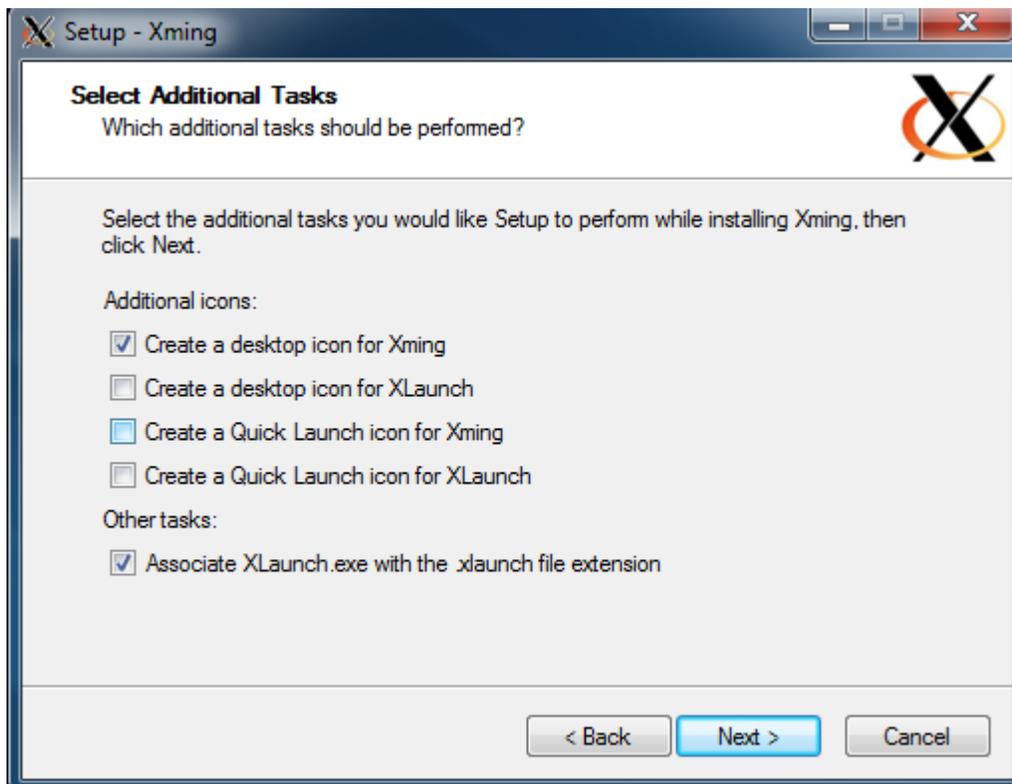


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After the installation is done launch Xming application from the shortcut on Desktop. Allow the program through the Windows Firewall if prompted. Then proceed to launch Putty application from the shortcut on Desktop.



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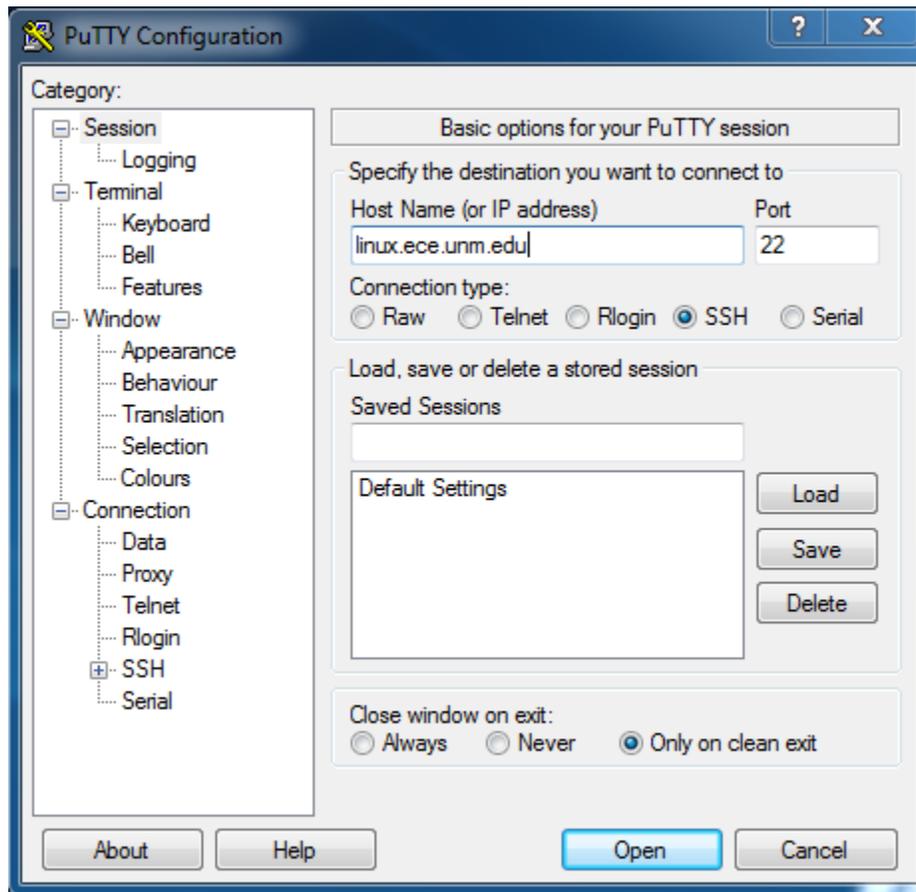
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You need to configure the following settings on Putty before you logon to the ECE linux server.

1. Specify the Host Name as linux.ece.unm.edu and the default Port is 22.



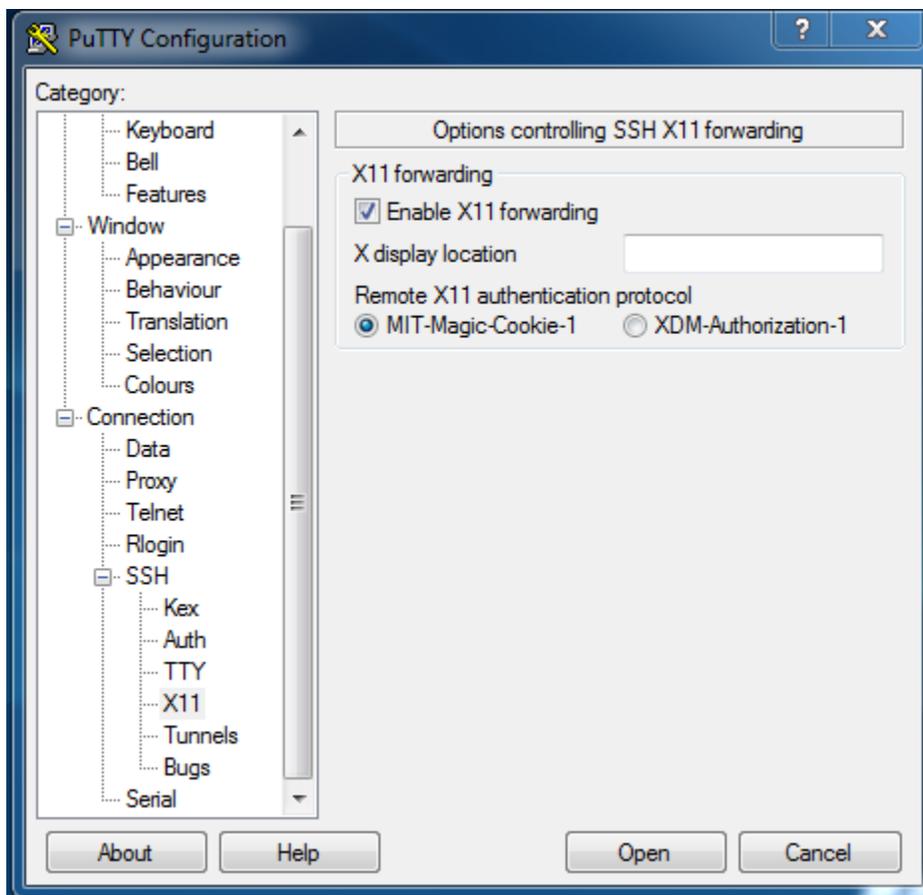
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2. Expand the SSH branch under Connection and click X11 and check the box to enable X11 forwarding.



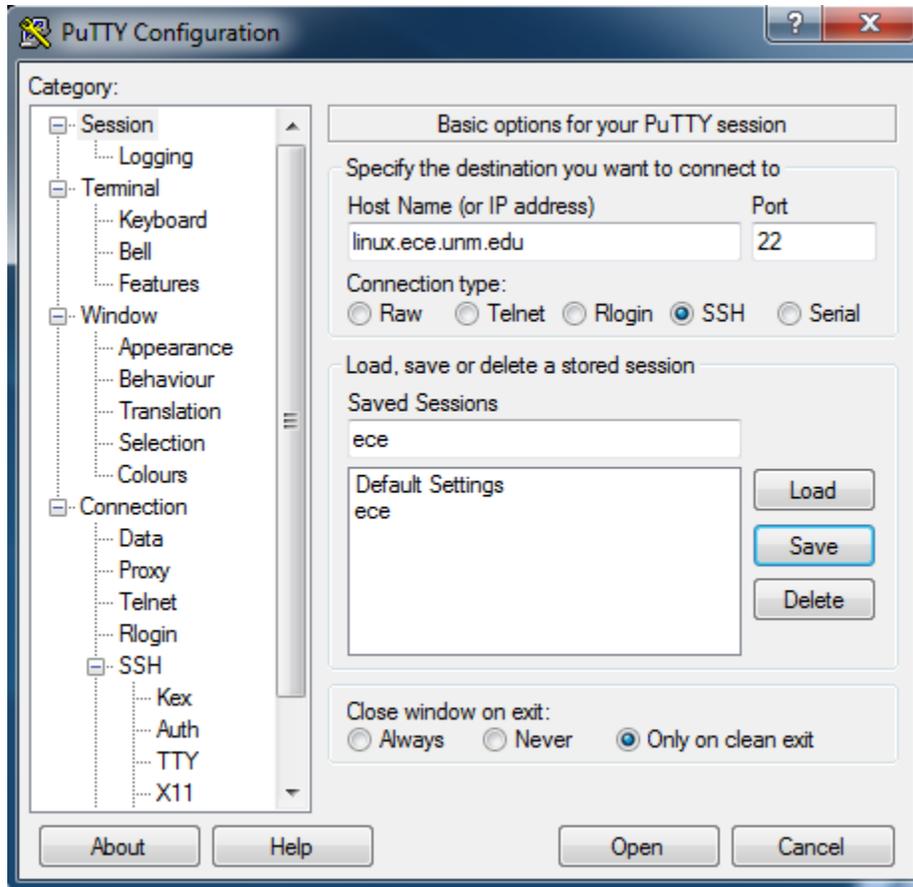
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3. Go back to Session branch on top and name this session and save it and then click open button.



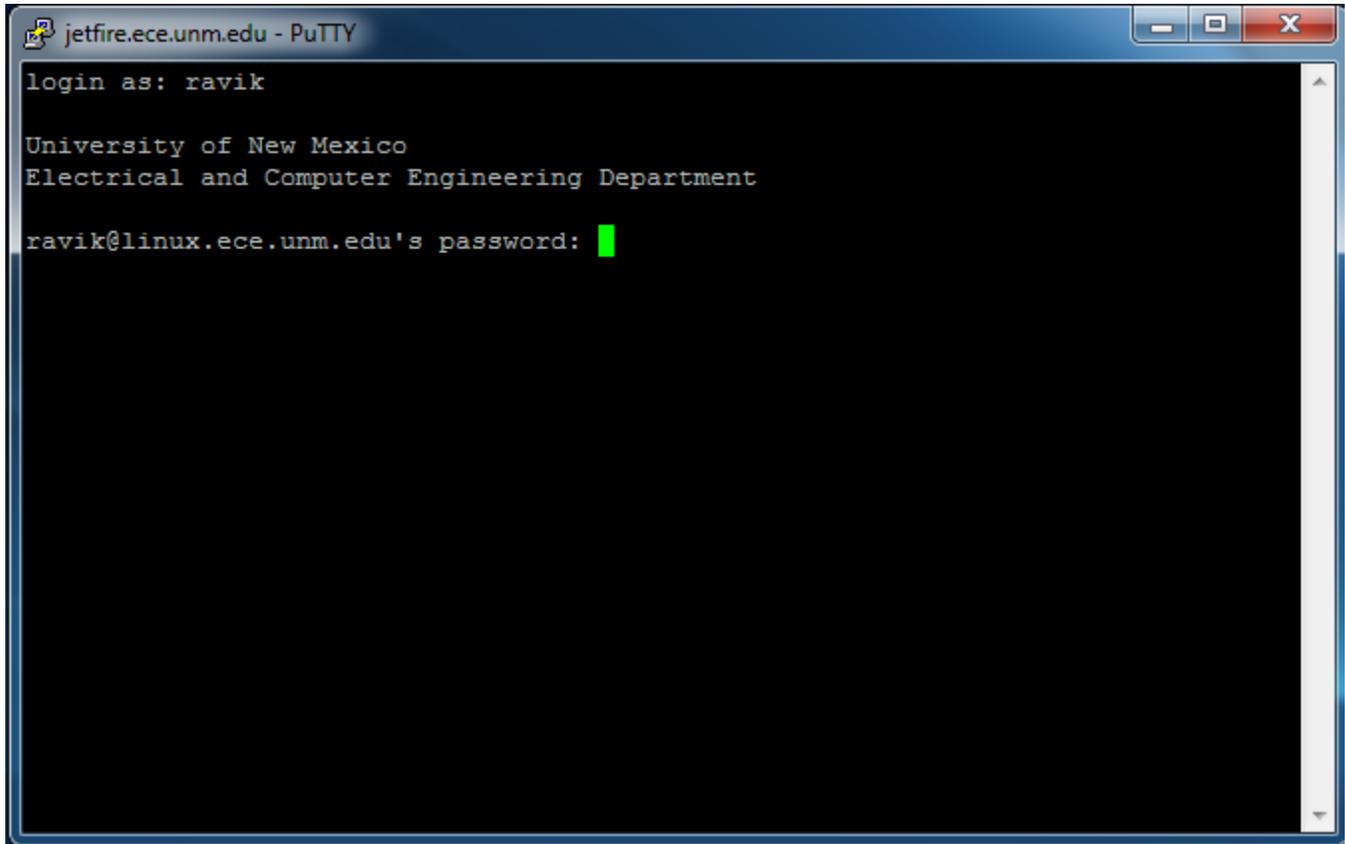
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Now type in your ece username and type enter. Also enter the password and if prompted to save the key press yes.



```
jetfire.ece.unm.edu - PuTTY
login as: ravik

University of New Mexico
Electrical and Computer Engineering Department

ravik@linux.ece.unm.edu's password: █
```

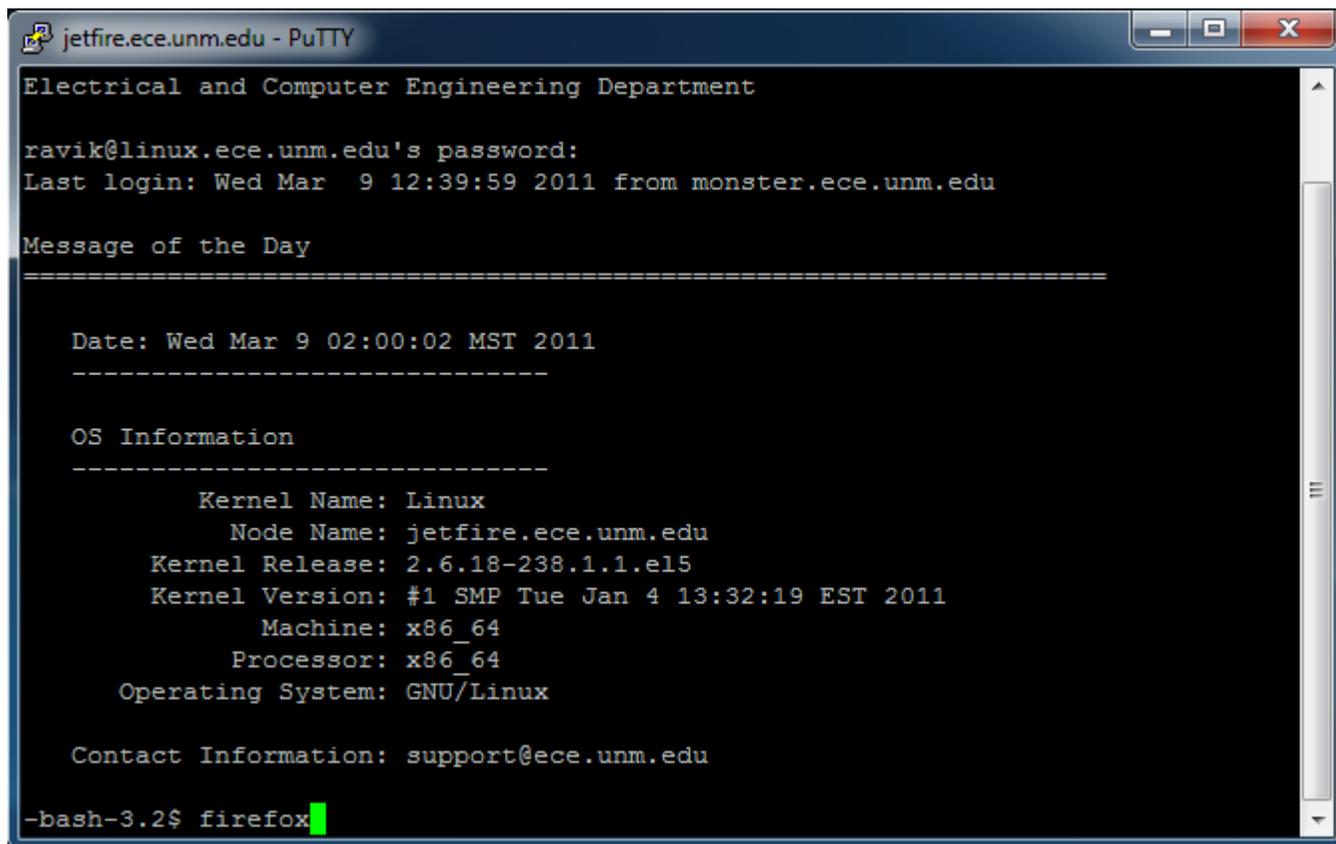
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To Test the X Window Server is working, type firefox at the command line.



```
jetfire.ece.unm.edu - PuTTY
Electrical and Computer Engineering Department
ravik@linux.ece.unm.edu's password:
Last login: Wed Mar  9 12:39:59 2011 from monster.ece.unm.edu

Message of the Day
-----

Date: Wed Mar  9 02:00:02 MST 2011
-----

OS Information
-----
      Kernel Name: Linux
      Node Name: jetfire.ece.unm.edu
      Kernel Release: 2.6.18-238.1.1.el5
      Kernel Version: #1 SMP Tue Jan  4 13:32:19 EST 2011
      Machine: x86_64
      Processor: x86_64
      Operating System: GNU/Linux

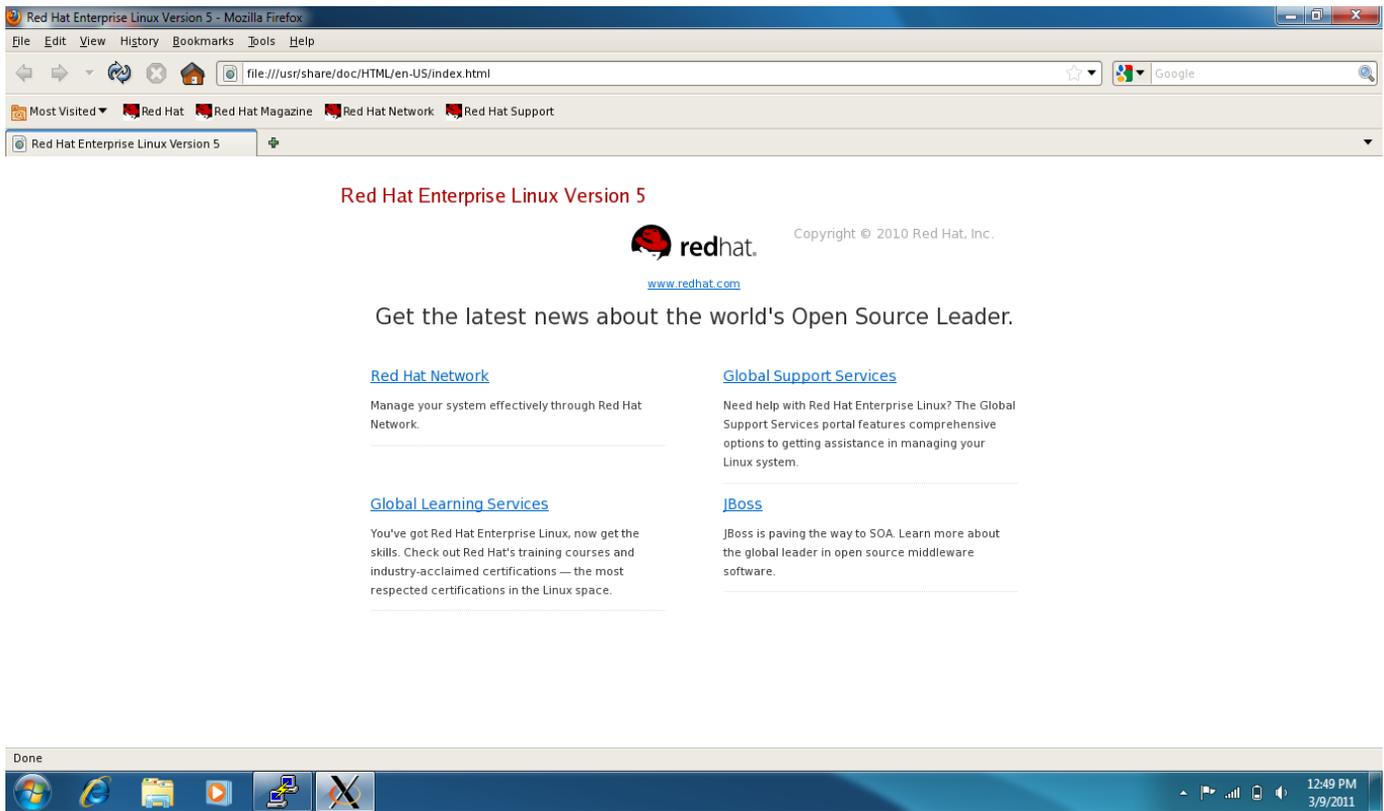
Contact Information: support@ece.unm.edu

-bash-3.2$ firefox
```

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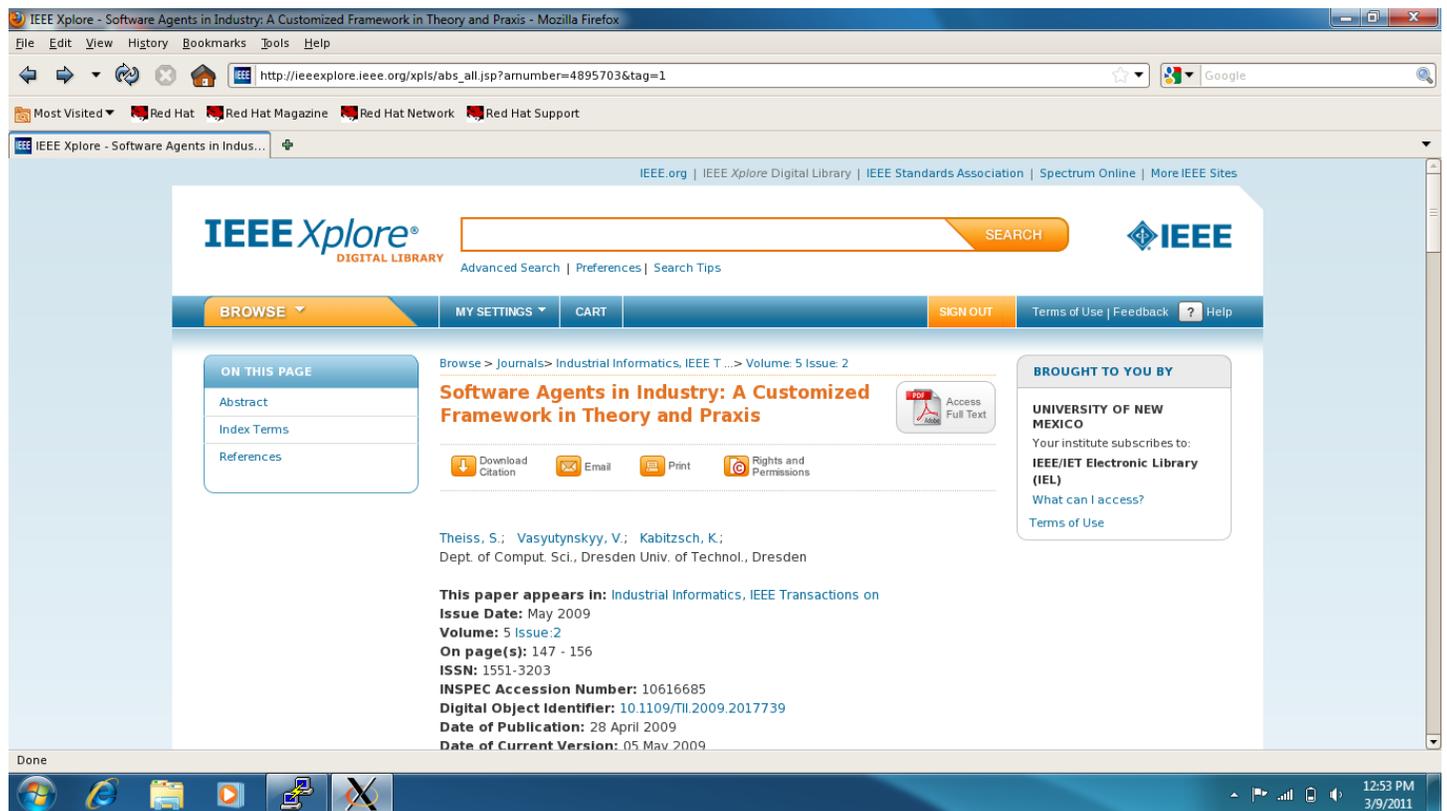
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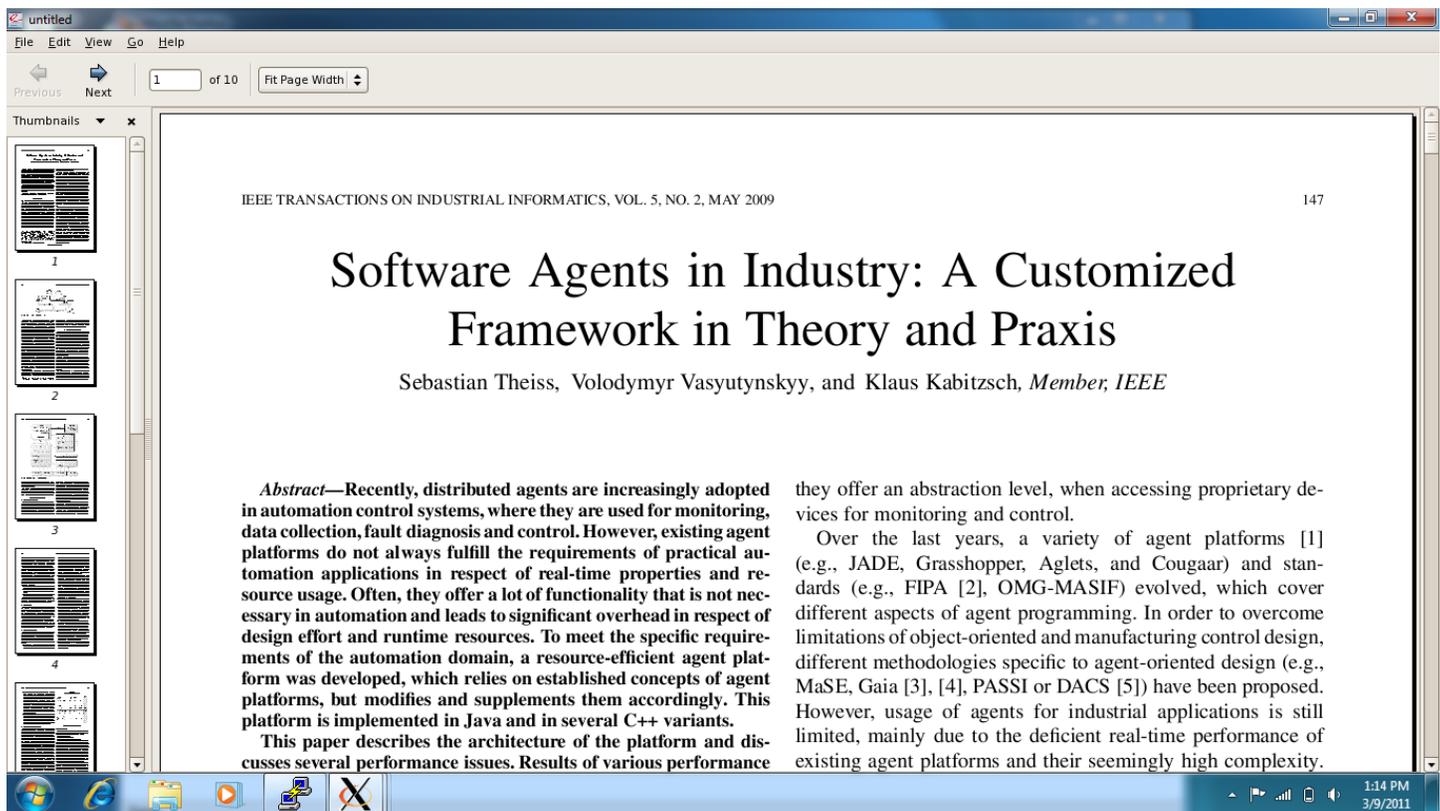
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If for any reason you are unable to accomplish the task, please email to

[ece-support@ece.unm.edu](mailto:ece-support@ece.unm.edu) or call 505-277-3934.