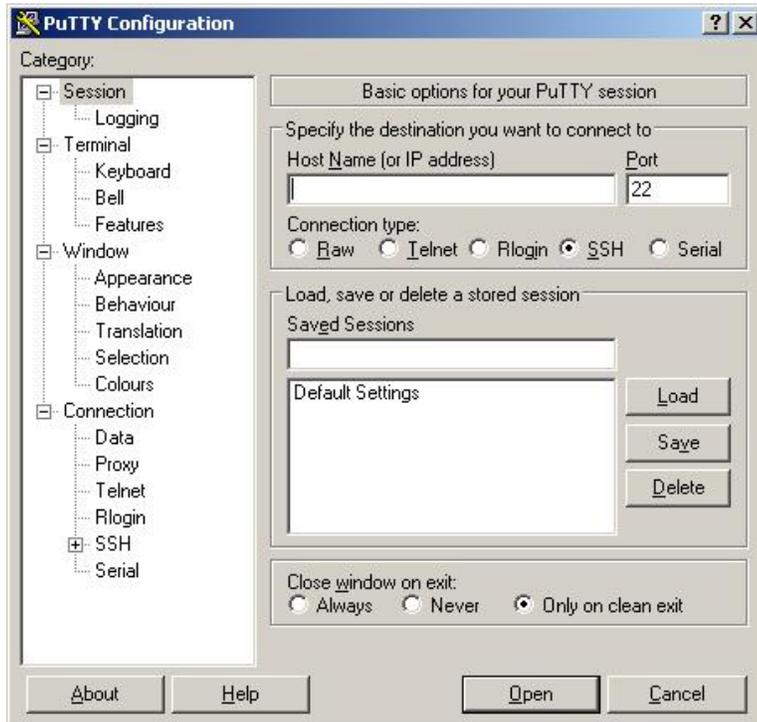
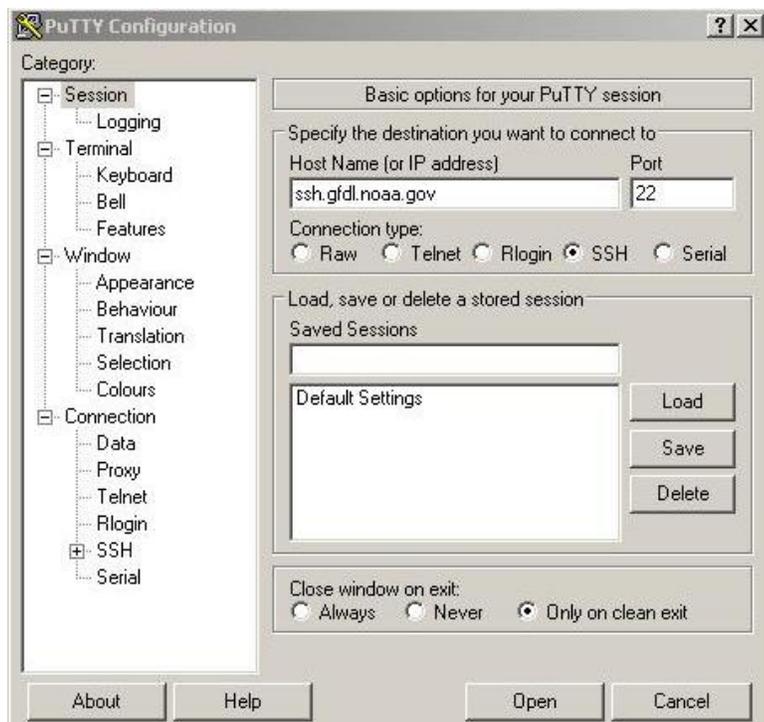


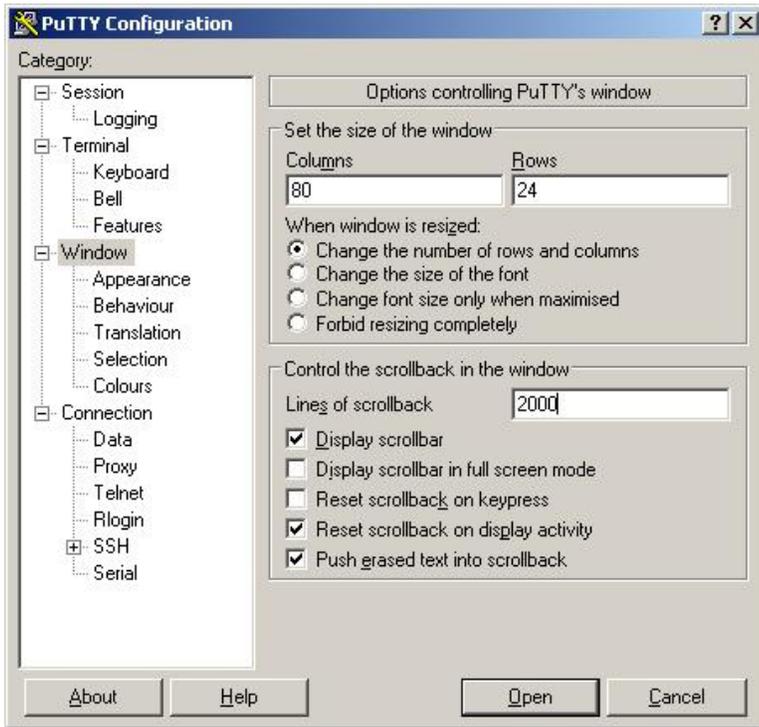
Configuring PuTTY for use with ssh.gfdl.noaa.gov



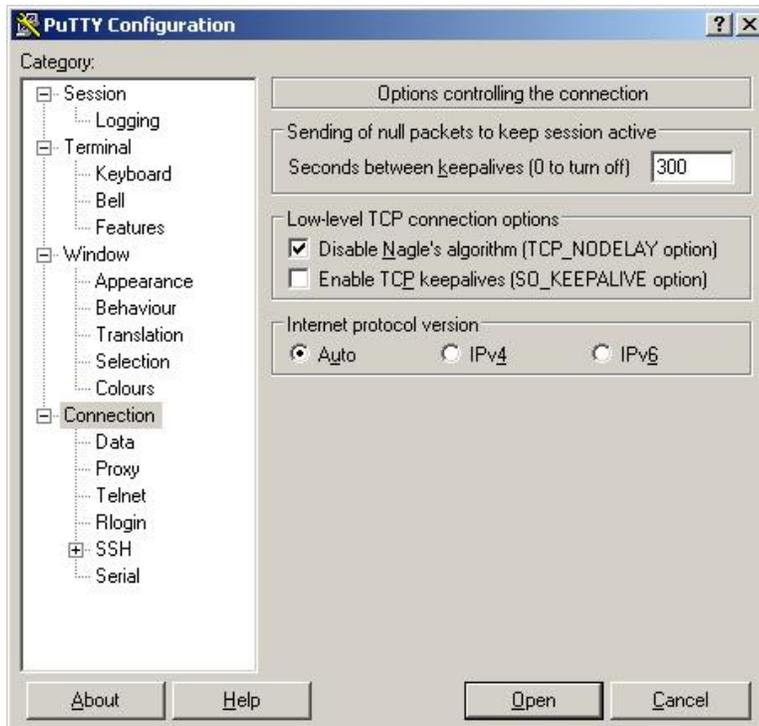
1. Start PuTTY
(Once installed, you can find PuTTY under “Start”, “ALL Programs”)



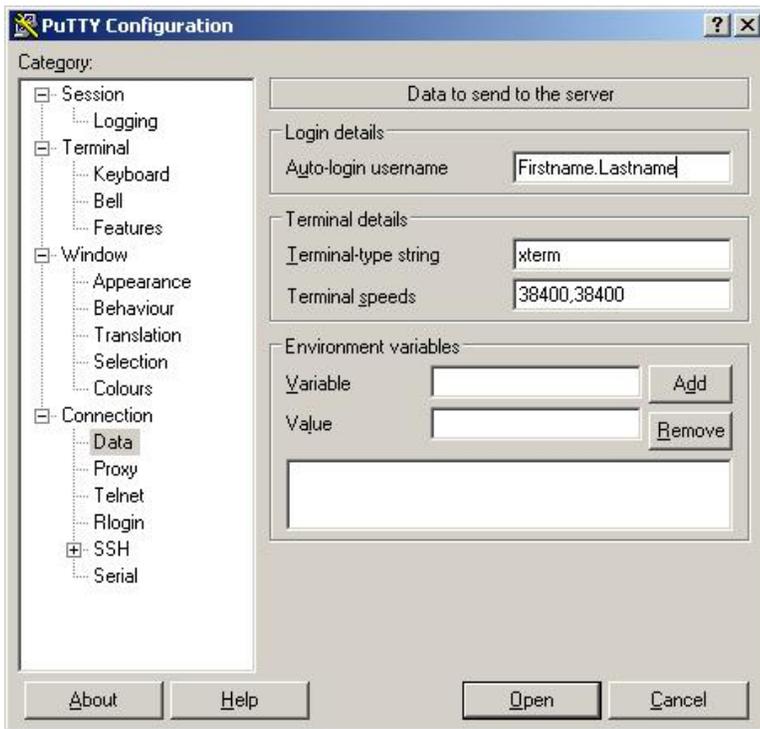
2. Enter “ssh.gfdl.noaa.gov” in the Host Name text box.
3. Click on the SSH button. The Port number should automatically change to 22.



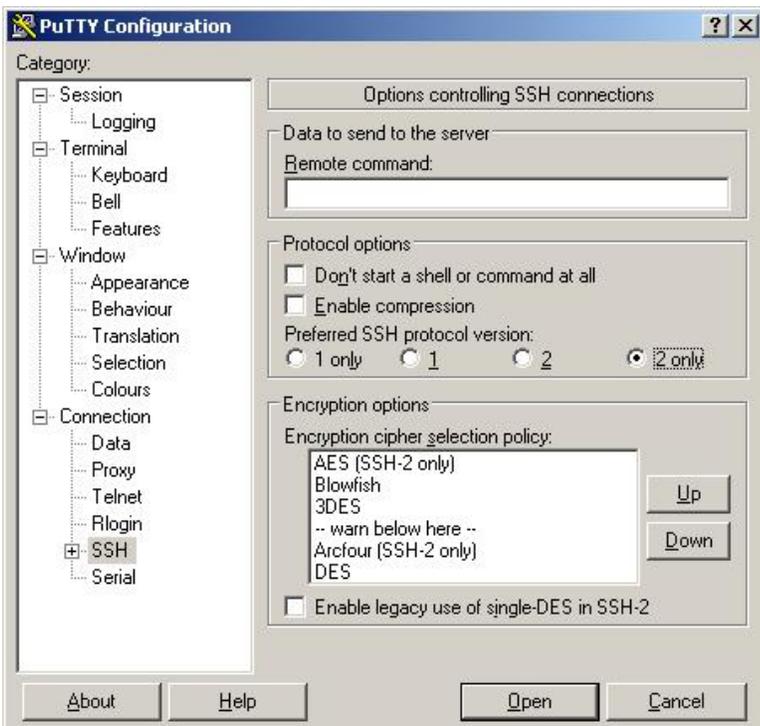
4. Click on the “Window” Category on the left side. Change the scrollbar to “2000”



5. Click on the “Connection” Category. In the “Sending of null packets to keep the session active” box, change the setting to 300.

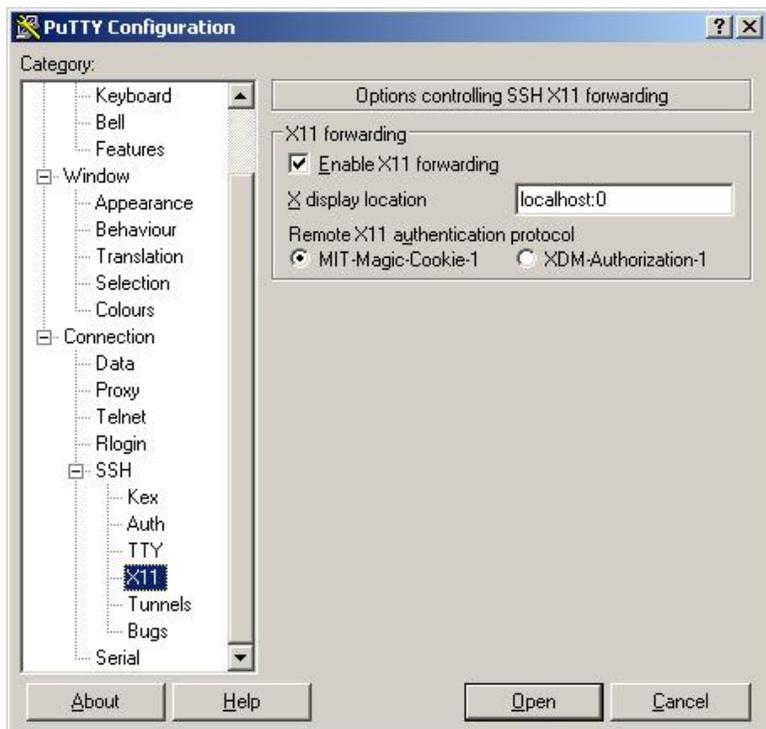


6. Also under the “Connect” Category, click the “Data” sub-category, and enter your Firstname.Lastname as your Auto-login username.

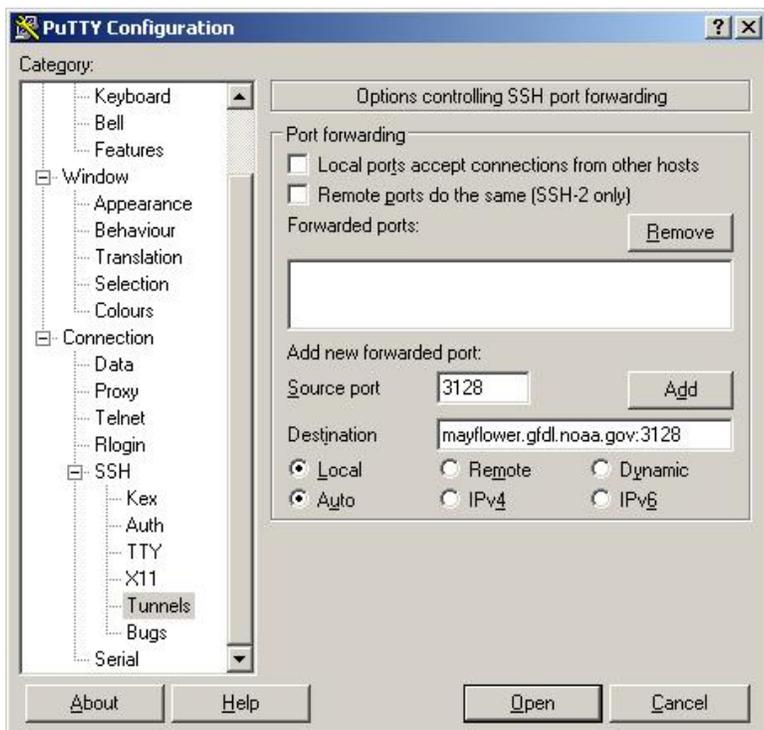


7. Click on the “SSH” sub-Category. Change the “Preferred SSH protocol version” to “2 only”

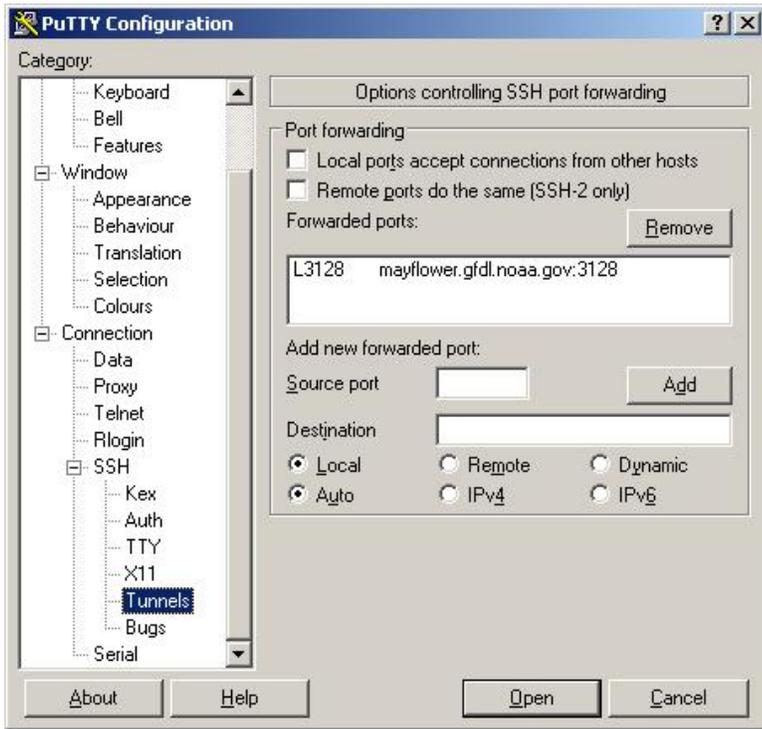
Step 8 & 9 are only necessary if there is a need to view the GFDL internal web site from a remote location. If remote viewing is necessary, the “Proxy” would need to be set. If this is not necessary, go to Step 10.



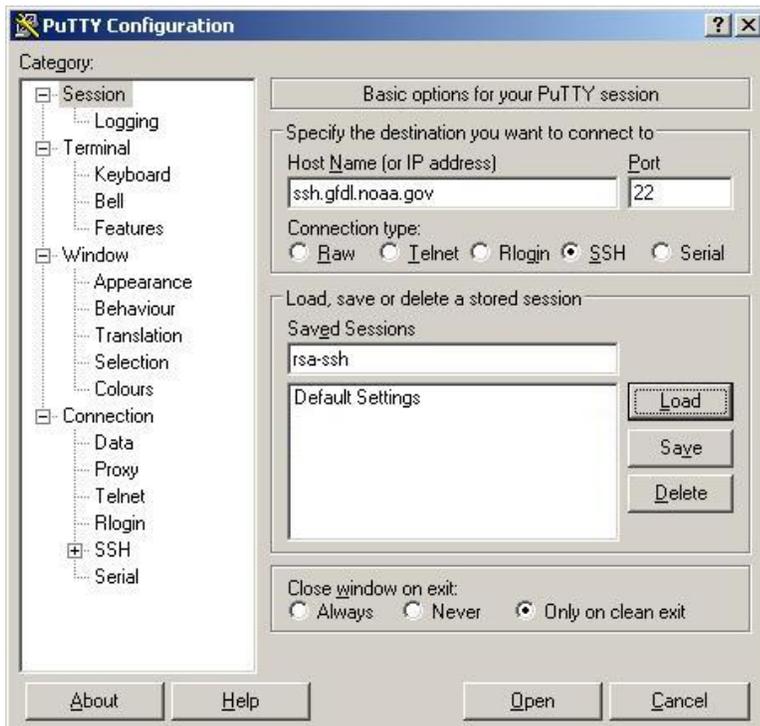
8. Under SSH,
 - Click on the “X11” category, and then click the checkbox to “Enable X11 forwarding”.
 - Enter “localhost:0” in the X display location “textbox”.



9. Click on the “Tunnels” in the sub-Category.
 - In the port forwarding box, Enter “3128” as the source port.
 - Enter “mayflower.gfdl.noaa.gov:3128” as the destination port.
 - The port will be “Local”, not “Remote”.
 - DO NOT check “Local ports accept connections from other hosts”.
 - Click the “Add” button.

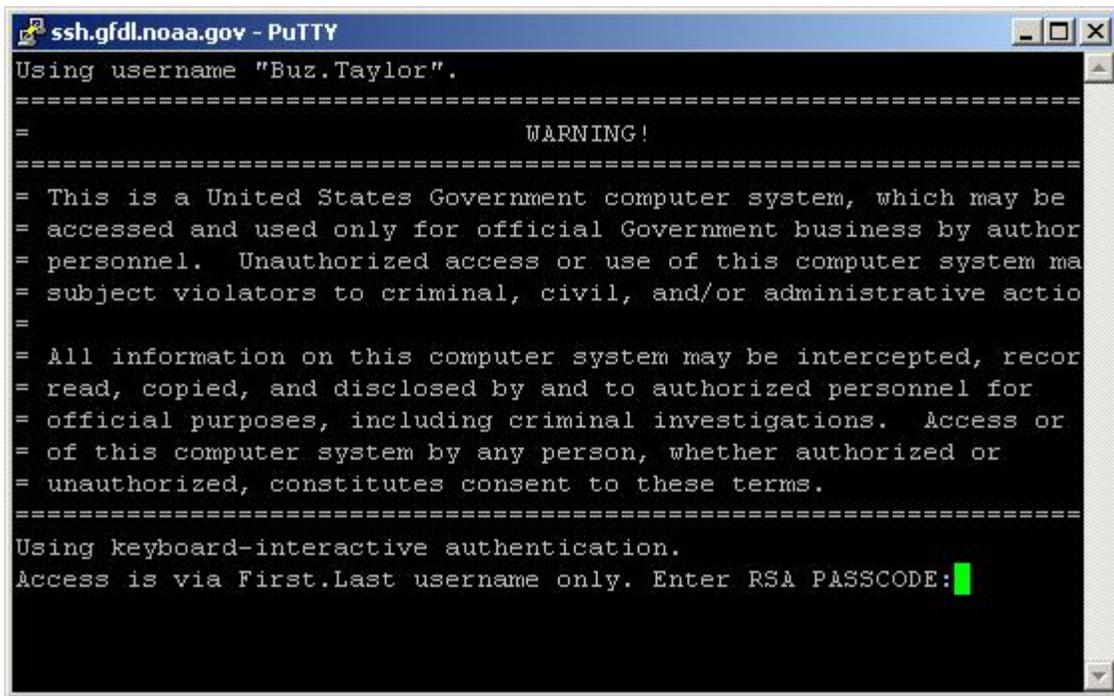


- The Tunnels screen should now look like the image to the left.



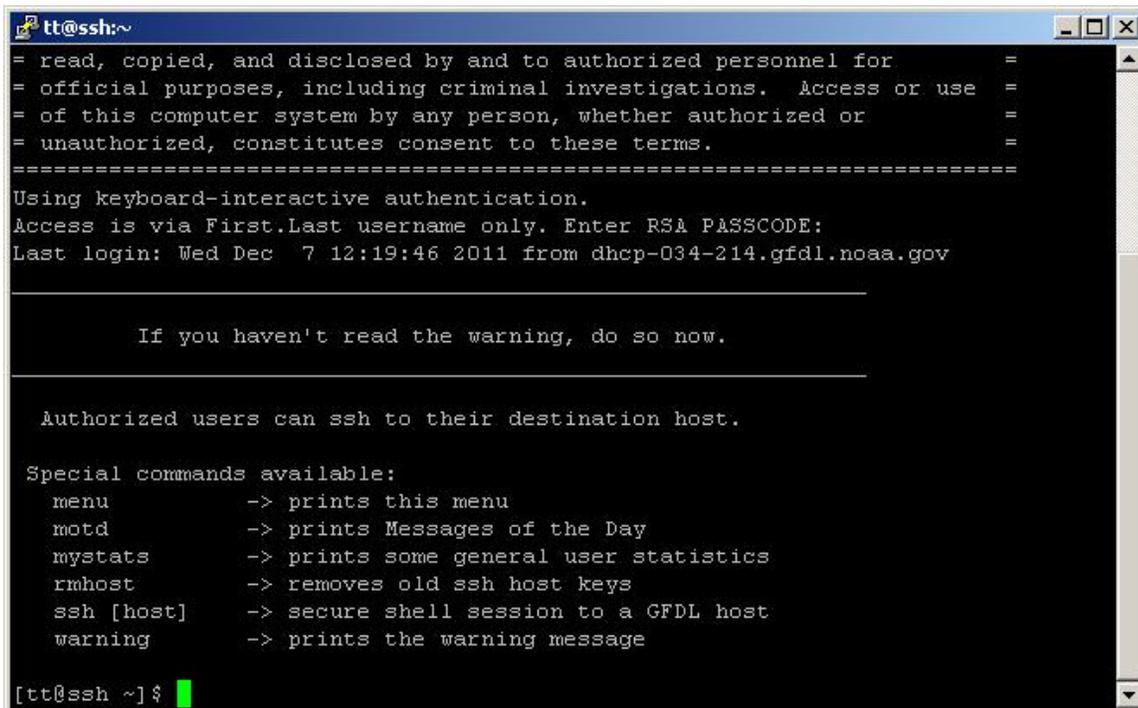
10. Return to the "Session" Category.
 - Enter "rsa-ssh" into the "Saved Sessions" box.
 - Click the "Save" button on the right.
 - In the future double click (or load and Open) the "rsa-ssh" in the "Saved Sessions" list to open a connection.

The connection to ssh.gfdl.noaa.gov will look similar to this:



```
ssh.gfdl.noaa.gov - PuTTY
Using username "Buz.Taylor".
=====
=                                     WARNING!
=====
= This is a United States Government computer system, which may be
= accessed and used only for official Government business by author
= personnel.  Unauthorized access or use of this computer system ma
= subject violators to criminal, civil, and/or administrative actio
=
= All information on this computer system may be intercepted, recor
= read, copied, and disclosed by and to authorized personnel for
= official purposes, including criminal investigations.  Access or
= of this computer system by any person, whether authorized or
= unauthorized, constitutes consent to these terms.
=====
Using keyboard-interactive authentication.
Access is via First.Last username only. Enter RSA PASSCODE: █
```

After a warning banner, you will be prompted for a PASSCODE. Enter in your "PIN" and your PASSCODE from your RSA FOB. Once you have successfully connected to ssh, your screen should look similar to this:



```
tt@ssh:~
= read, copied, and disclosed by and to authorized personnel for =
= official purposes, including criminal investigations.  Access or use =
= of this computer system by any person, whether authorized or =
= unauthorized, constitutes consent to these terms. =
=====
Using keyboard-interactive authentication.
Access is via First.Last username only. Enter RSA PASSCODE:
Last login: Wed Dec  7 12:19:46 2011 from dhcp-034-214.gfdl.noaa.gov

-----
      If you haven't read the warning, do so now.
-----

Authorized users can ssh to their destination host.

Special commands available:
menu          -> prints this menu
motd          -> prints Messages of the Day
mystats       -> prints some general user statistics
rmhost        -> removes old ssh host keys
ssh [host]    -> secure shell session to a GFDL host
warning       -> prints the warning message

[tt@ssh ~]$ █
```

Remember:

“ssh.gfdl.noaa.gov” is only a gateway. ssh.gfdl.noaa.gov does not have tools to enable you to work on it. You can only SSH to another host inside of GFDL.

Port forwarding should be working. If your web proxy server is set correctly, you will now be able to view all internal GFDL web sites.