Using an SSH Server as a Proxy

You will need an account on an SSH Server that allows you to create tunnels. You need the "Hostname" of the server, the "Username" that tells who you are, and a "Password" to verify your access.

This guide will walk you through downloading PuTTY, an SSH client for Windows. Then show you how to setup a profile to connect to the SSH server, and save it, so you can easily connect.

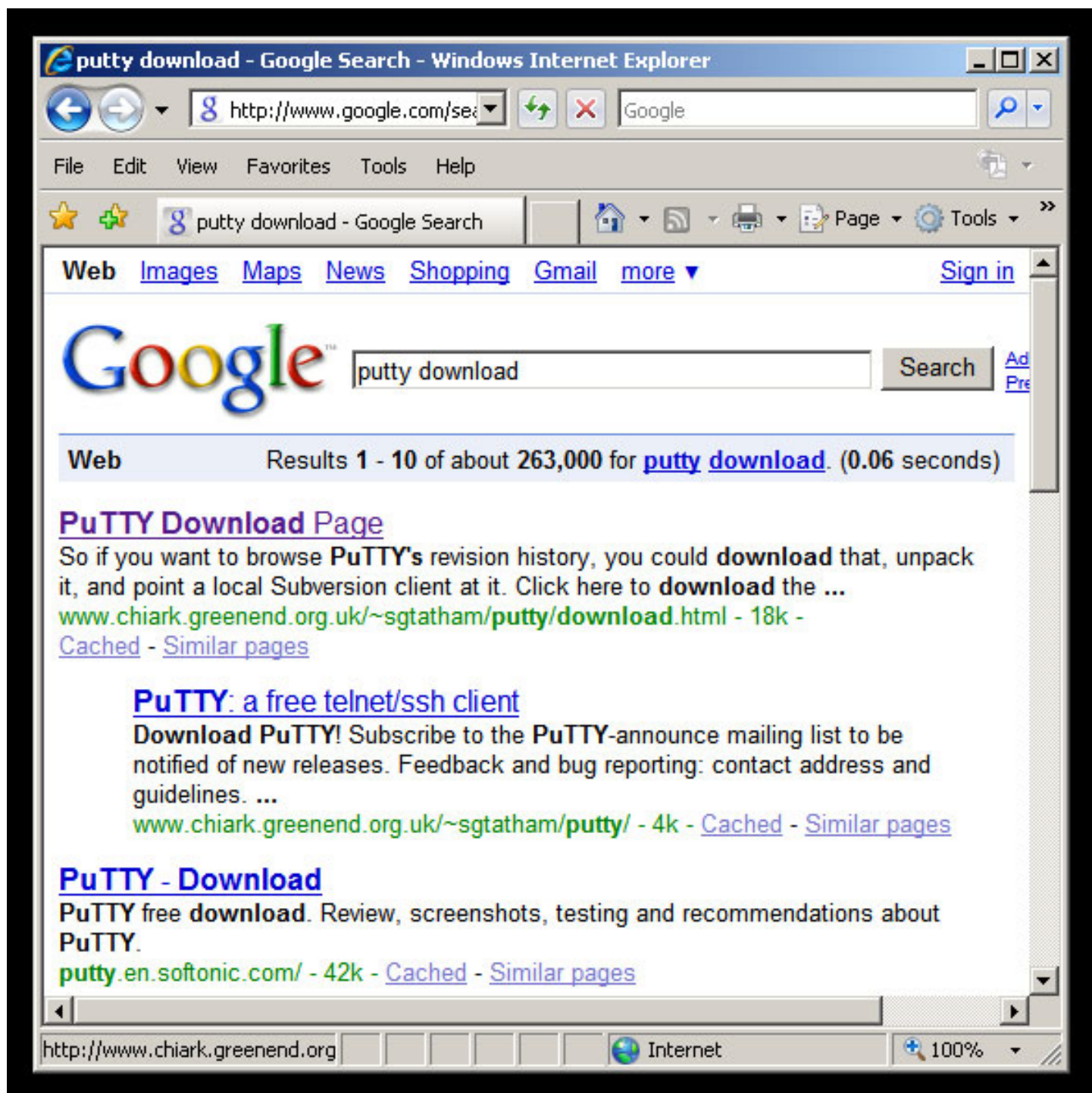Then it will show you how to setup Internet Explorer 7 to use it.

You first need to download the program PuTTY, the SSH client you will use to proxy your connection to outside of the network you're on.

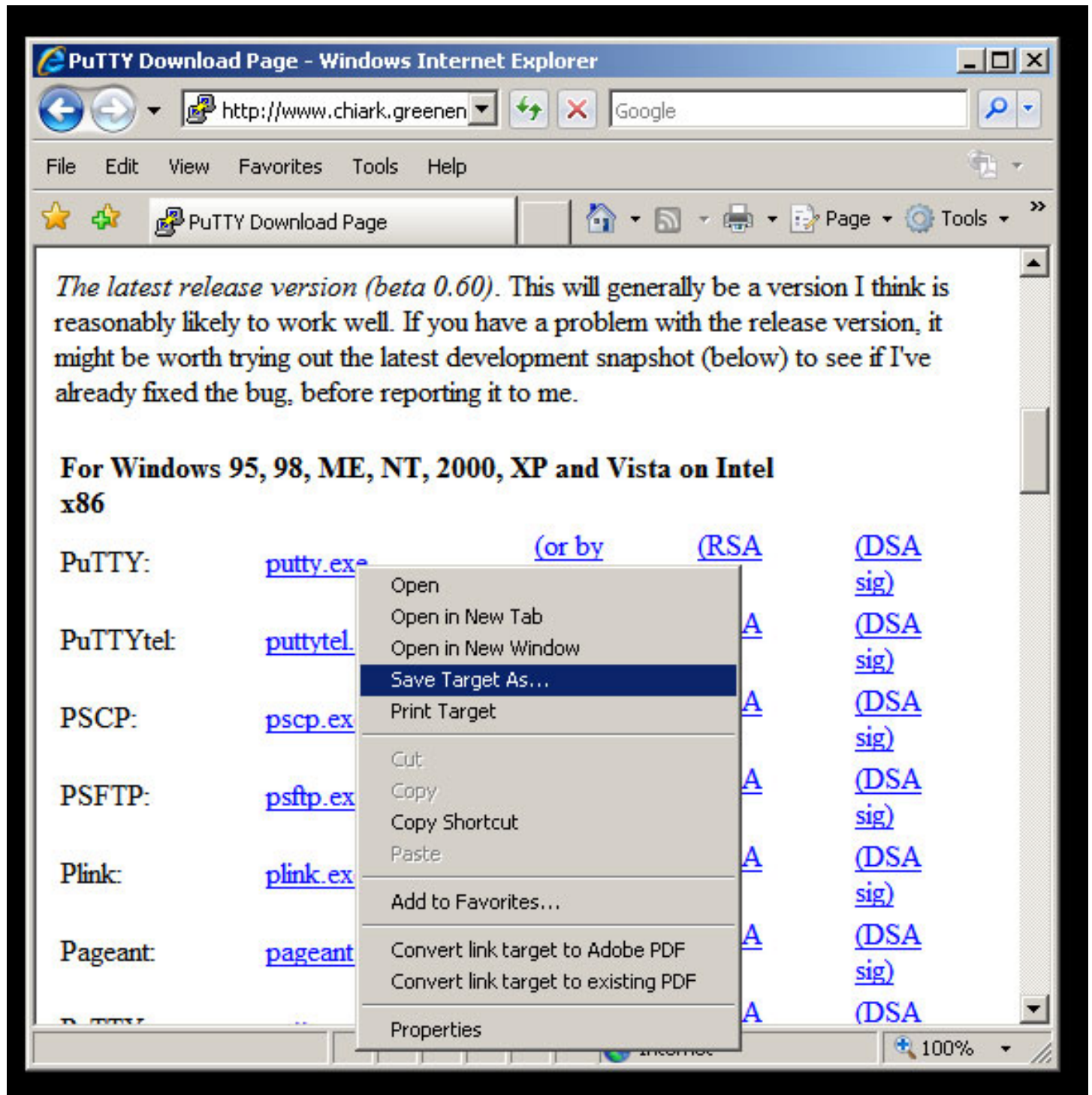Open up Internet Explorer and go to http://google.com/

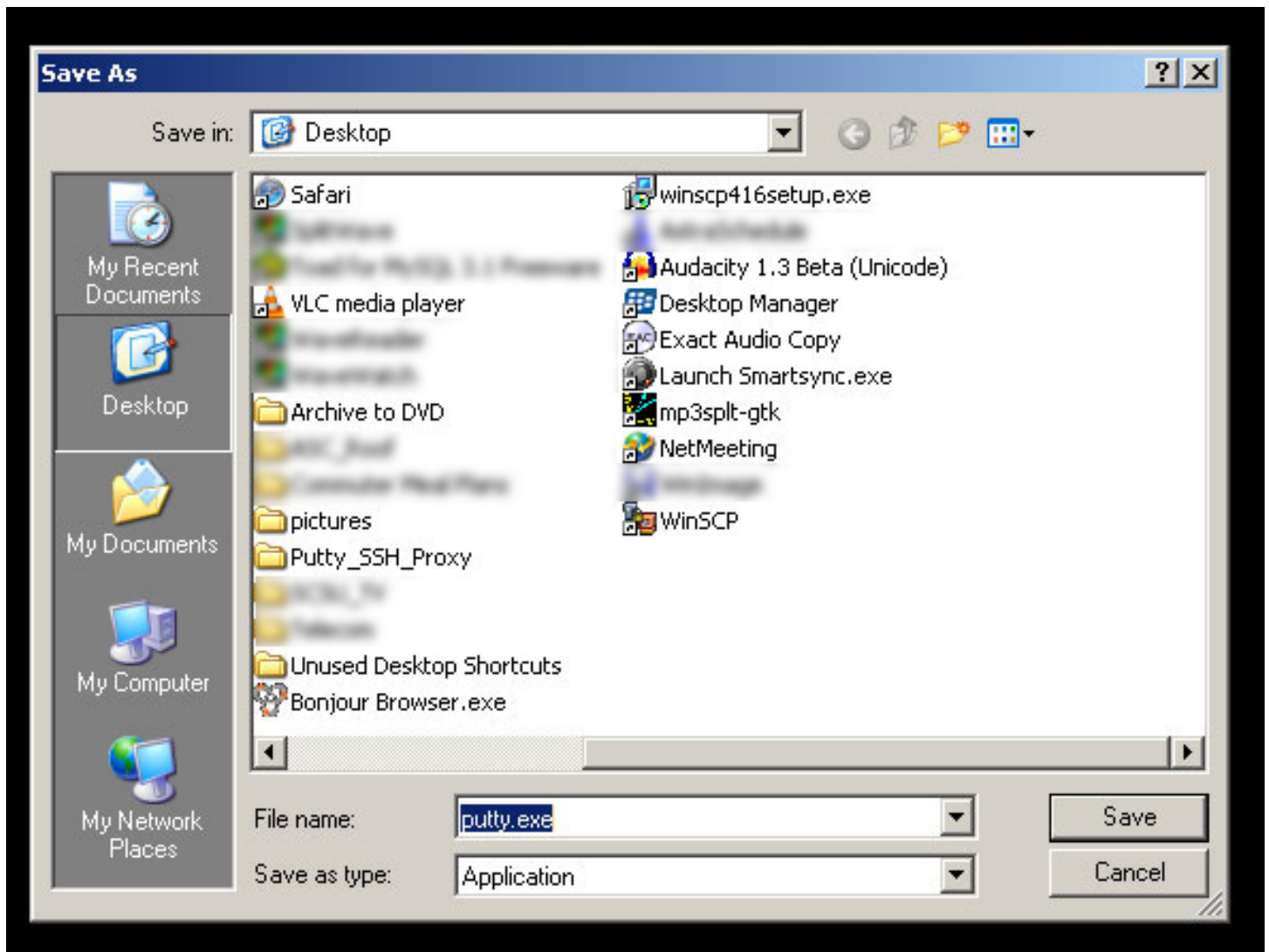Type in "putty download" and hit search
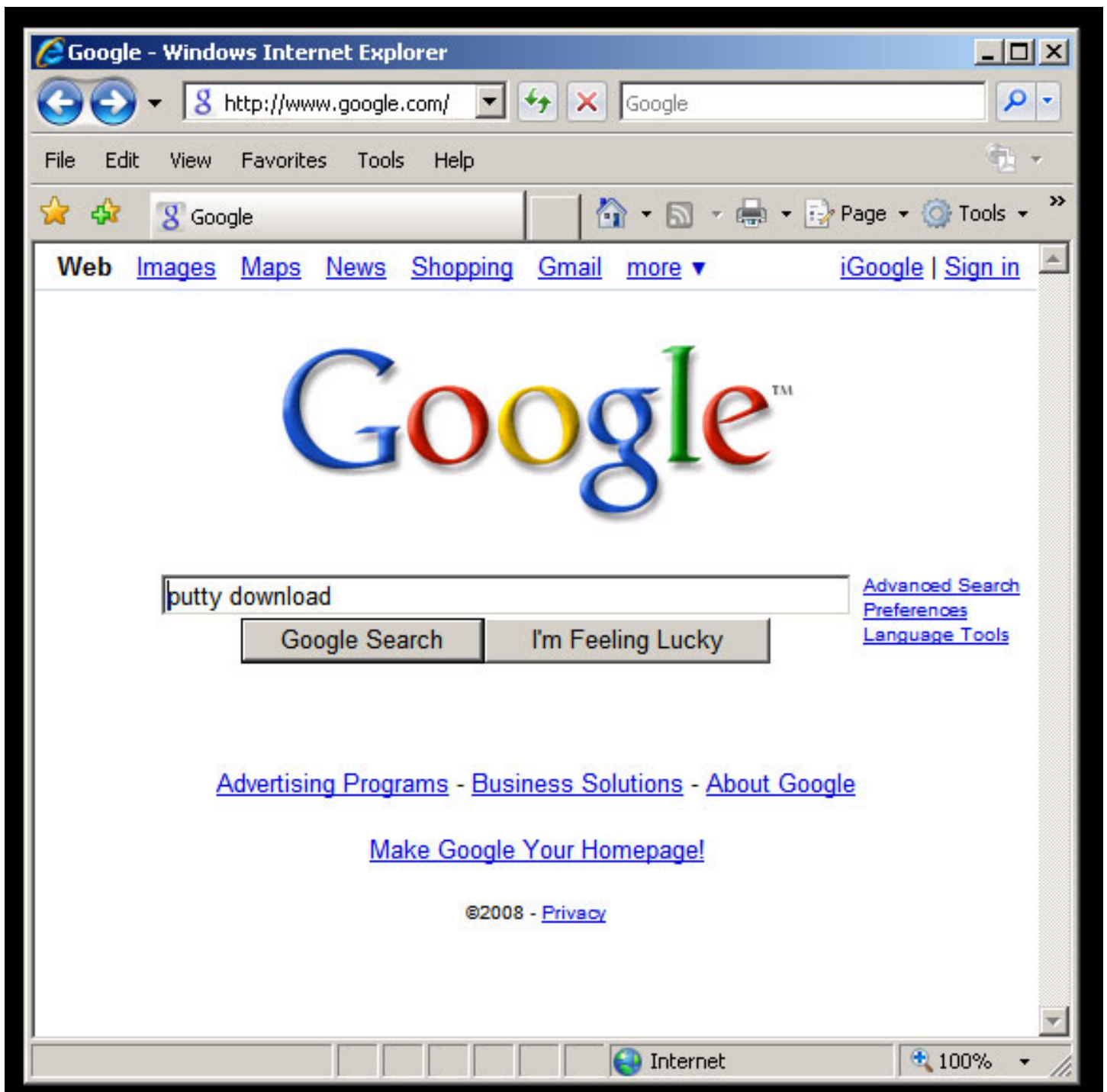
Choose the first link that appears. "PuTTY Download Page"

Next you will need to scroll down the page to the list of items you can download, and locate "PuTTY" and you will then need to "Right-Click" on the "putty.exe" link and then choose "Save Target As"

Save the file onto the "Desktop"

Save As

Save in: Desktop

- Safari
- VLC media player
- Archive to DVD
- pictures
- Putty_SSH_Proxy
- Unused Desktop Shortcuts
- Bonjour Browser.exe

- winscp416setup.exe
- Audacity 1.3 Beta (Unicode)
- Desktop Manager
- Exact Audio Copy
- Launch Smartsync.exe
- mp3splt-gtk
- NetMeeting
- WinSCP

My Recent Documents

Desktop

My Documents

My Computer

My Network Places

File name: putty.exe

Save as type: Application

Save

Cancel

Now that you have PuTTY you can open it whenever you need it.


Now open PuTTY, and you will be prompted with the following message. You can un-check the box to make the computer stop asking you before you click the "Run" button, it will remove one more step.
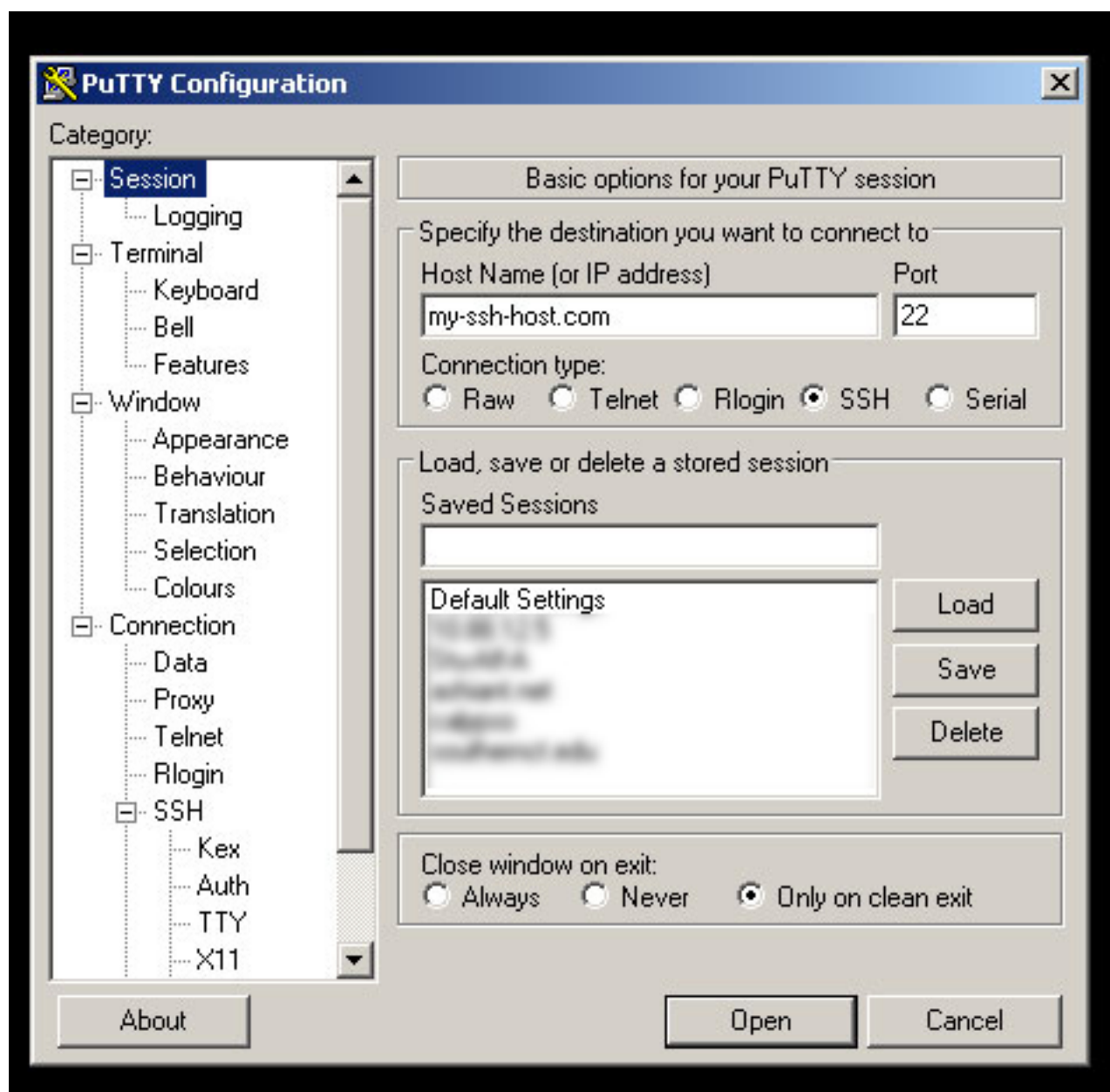
Now you should see a PuTTY screen like the below picture. This is where you will need the "Hostname" of the SSH Server you will be using.
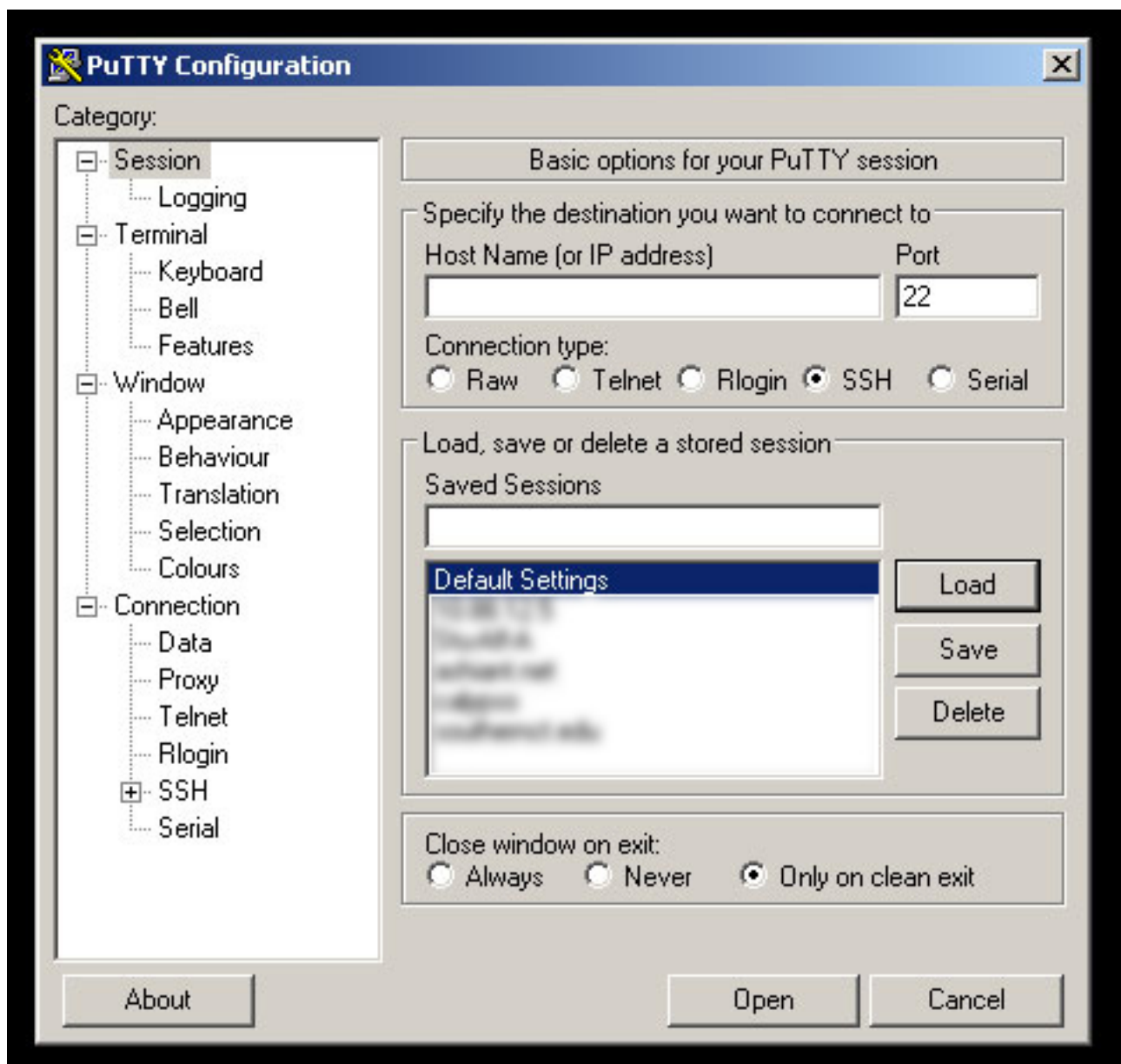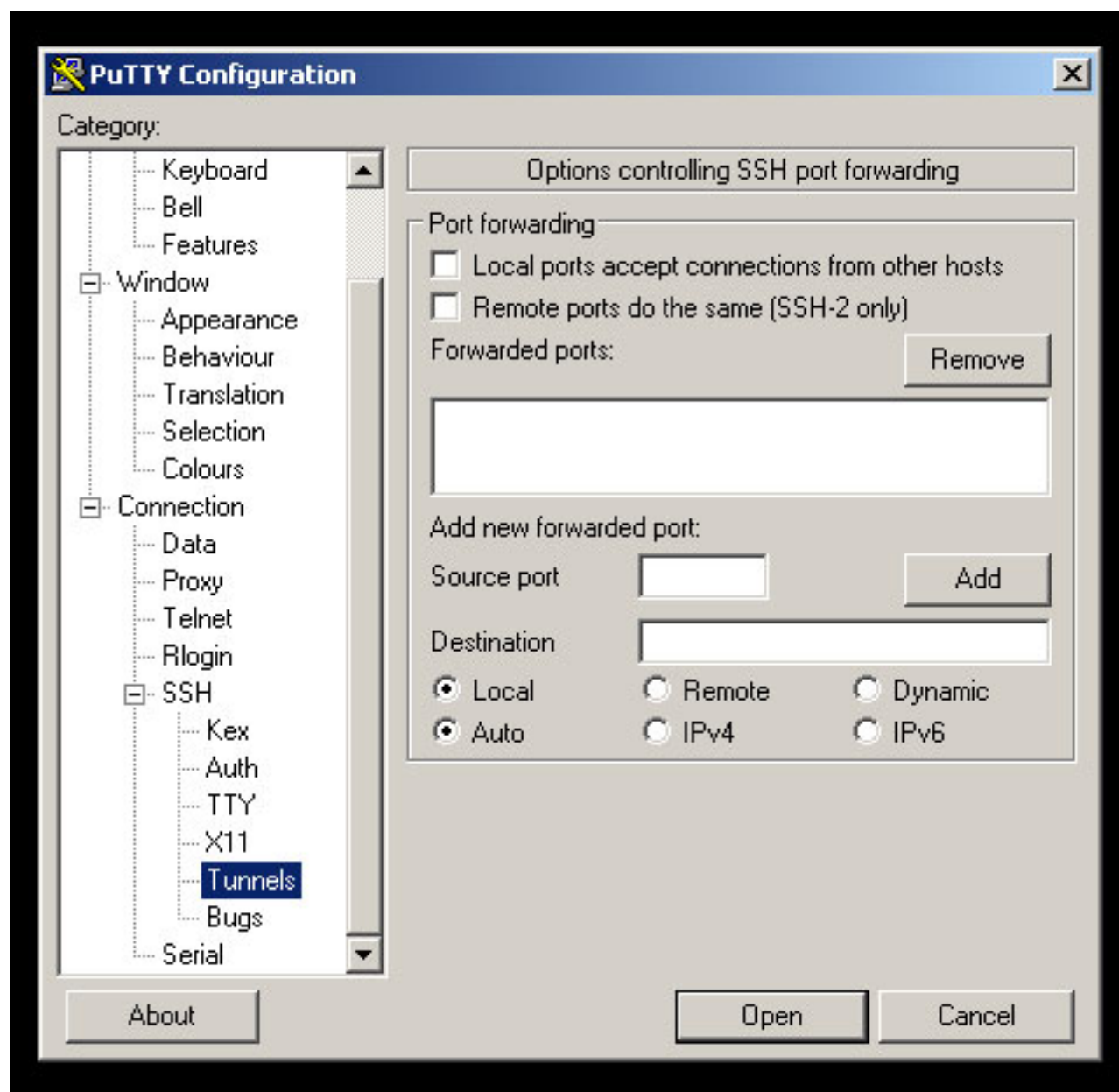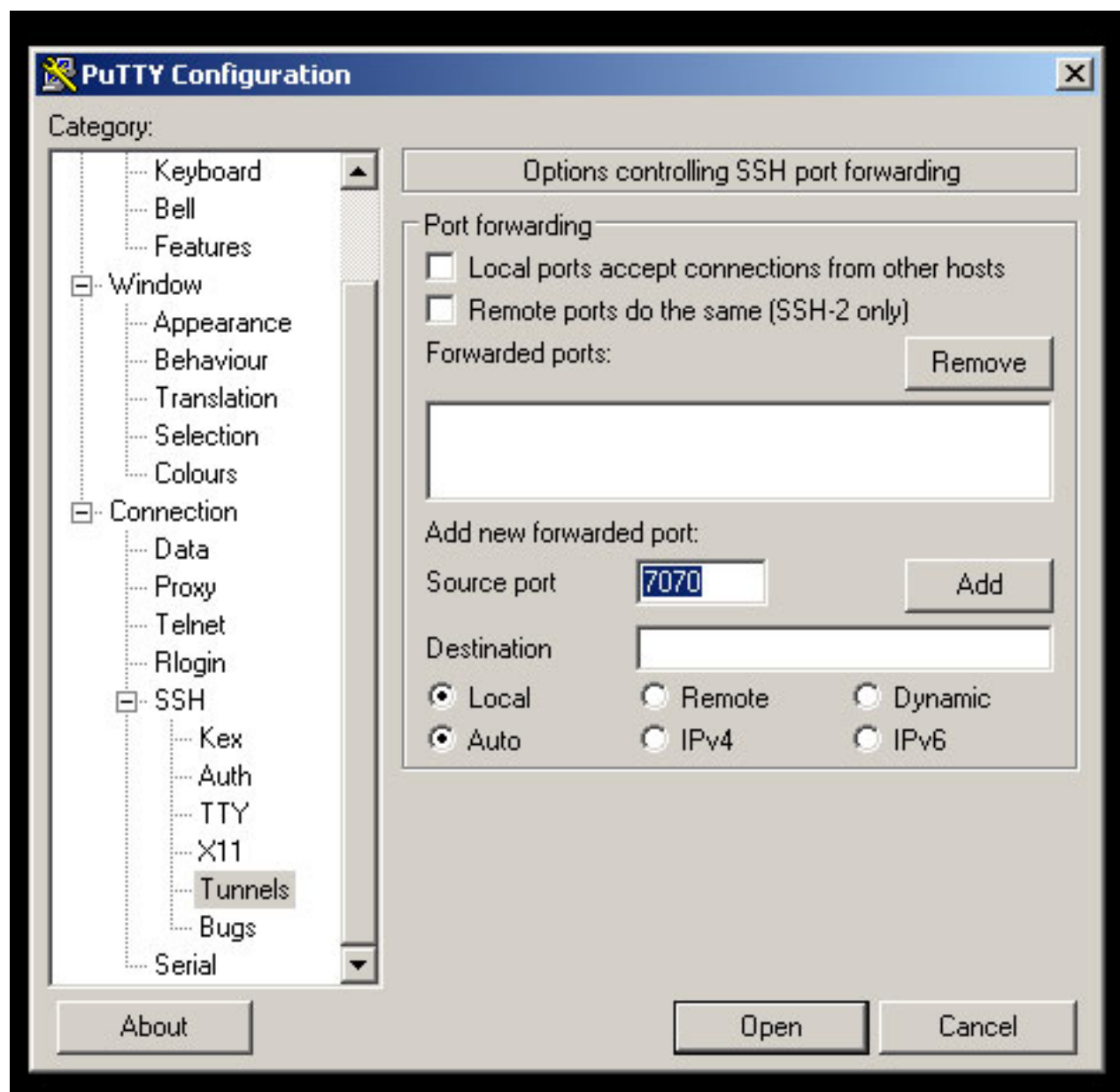
You need to enter the "Hostname" into the field for it.
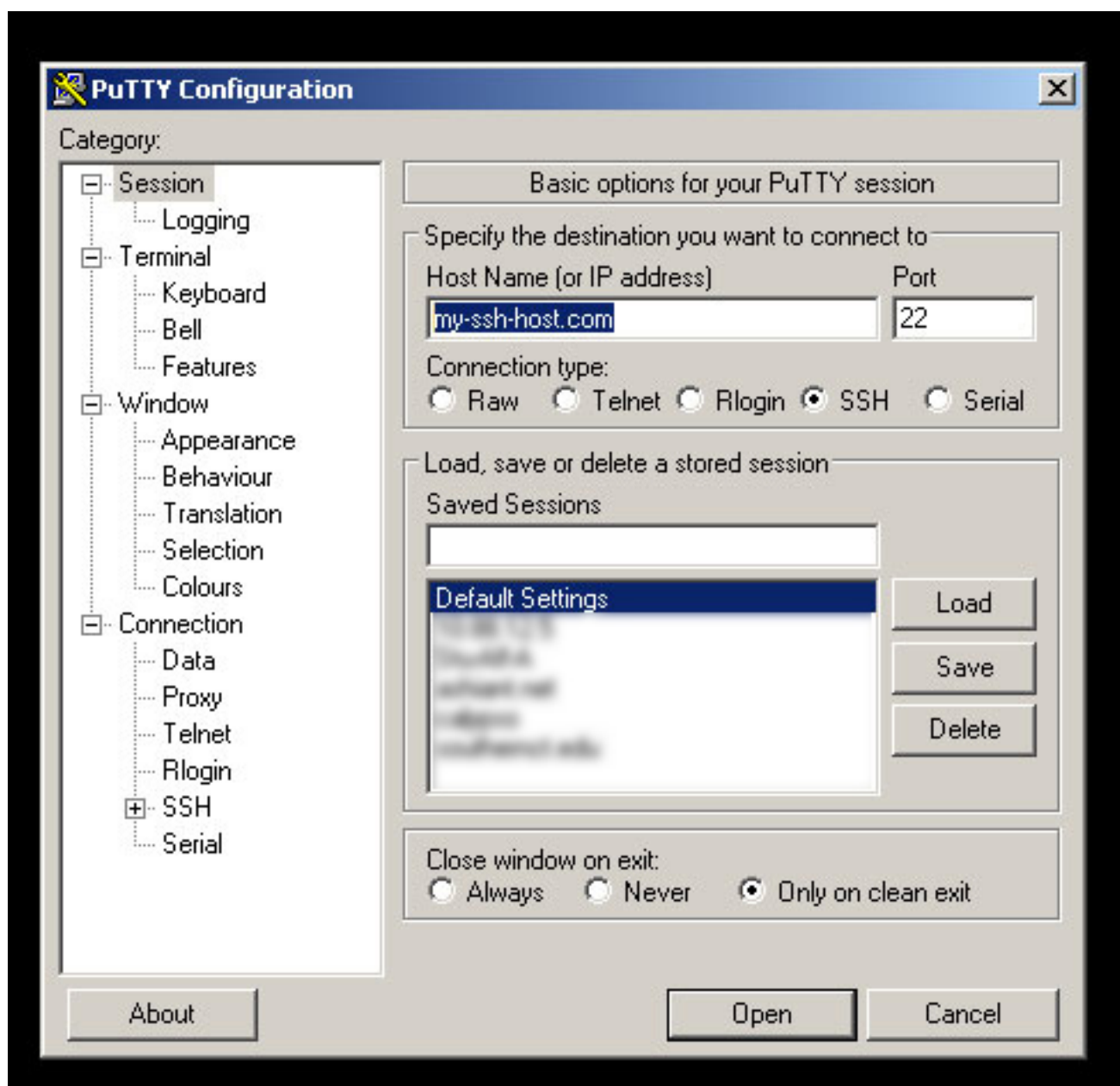
Then you need to look down the list on the left of the window, for the "Catagory" named "SSH" once you find it click the little "+" symbol next to it to expand the options.
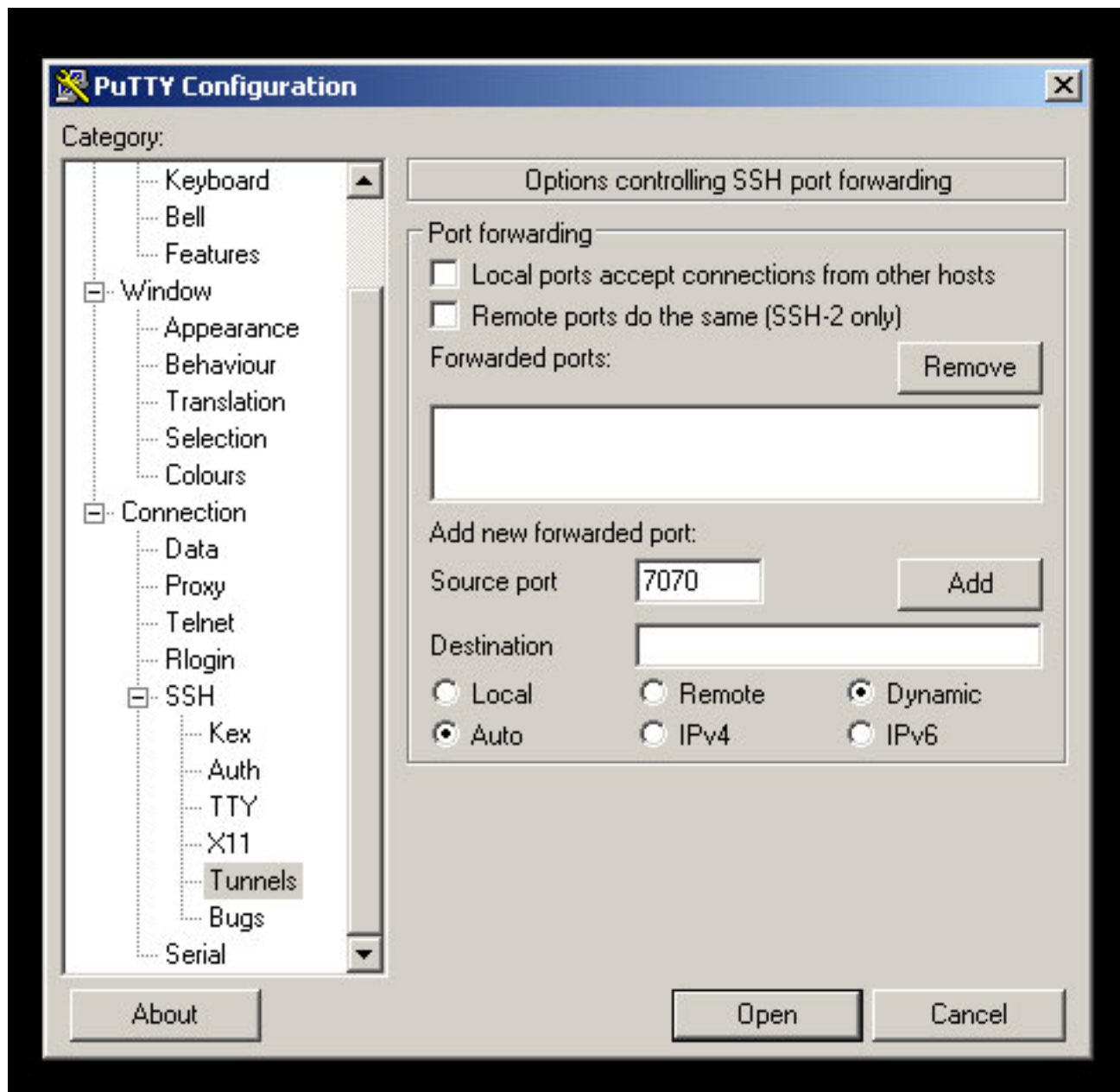
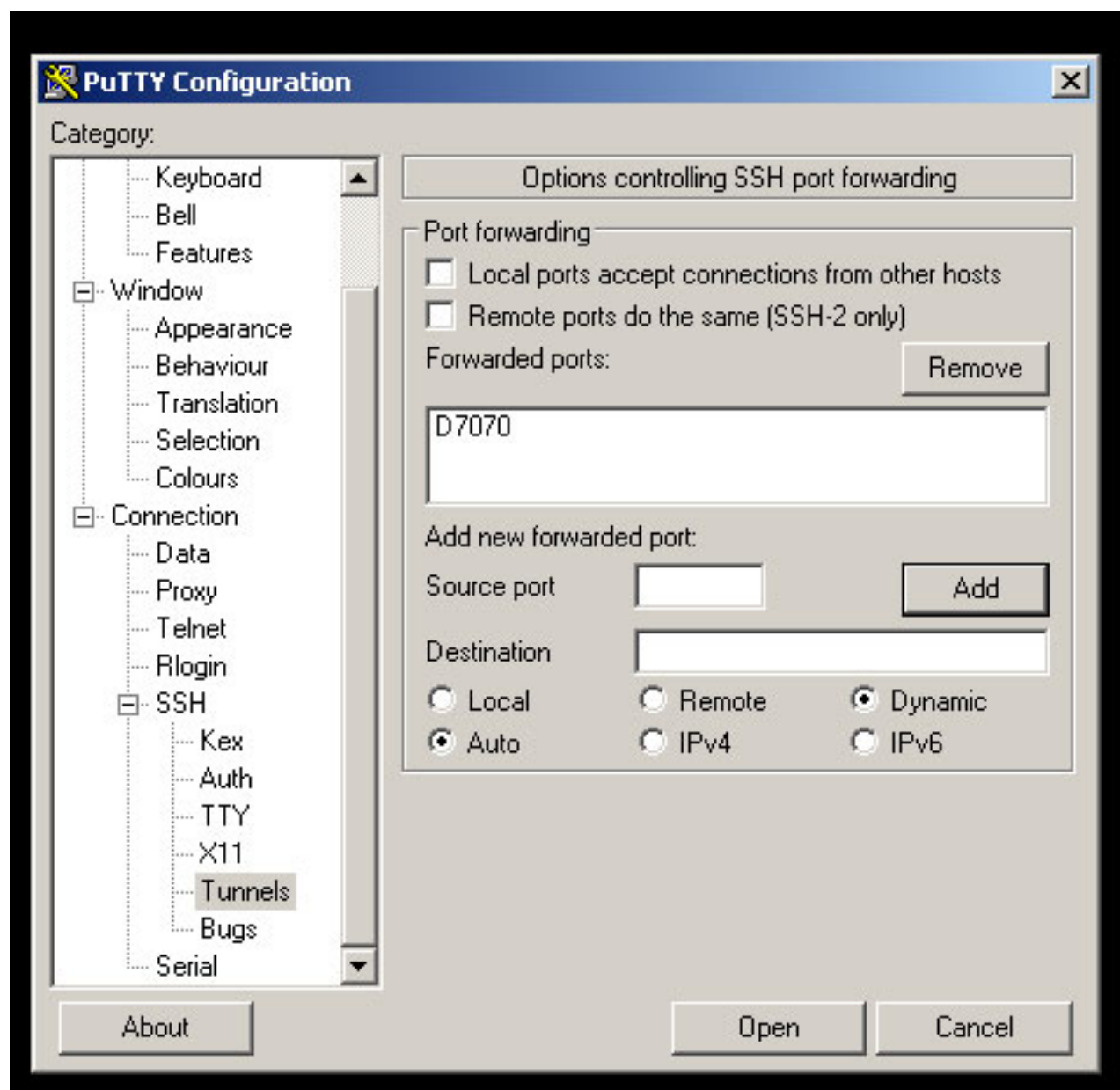Then you will need to scroll down the list on the left of the window, and choose the option "Tunnels"

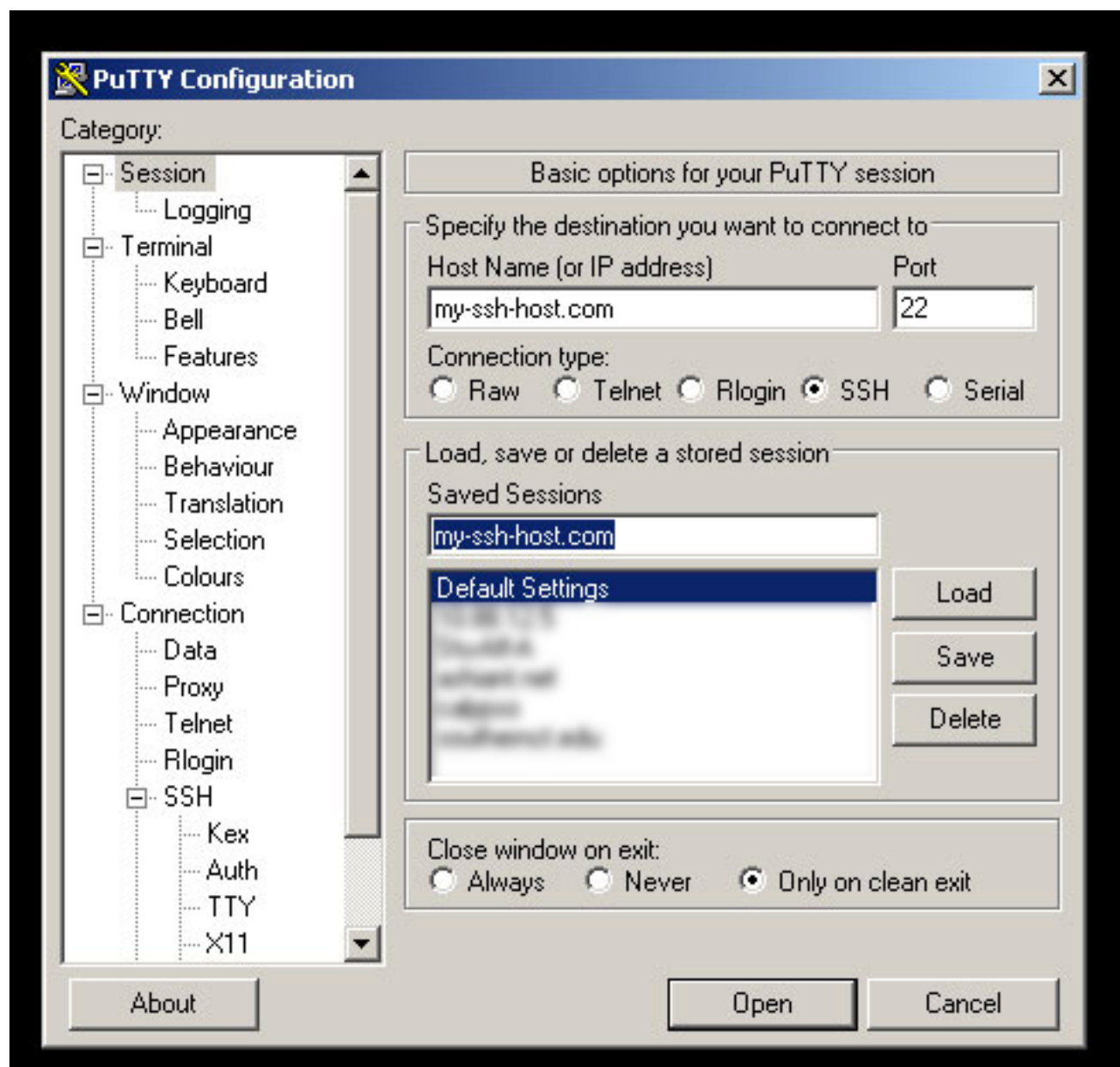Next enter a "Source port" in this example we use "7070"
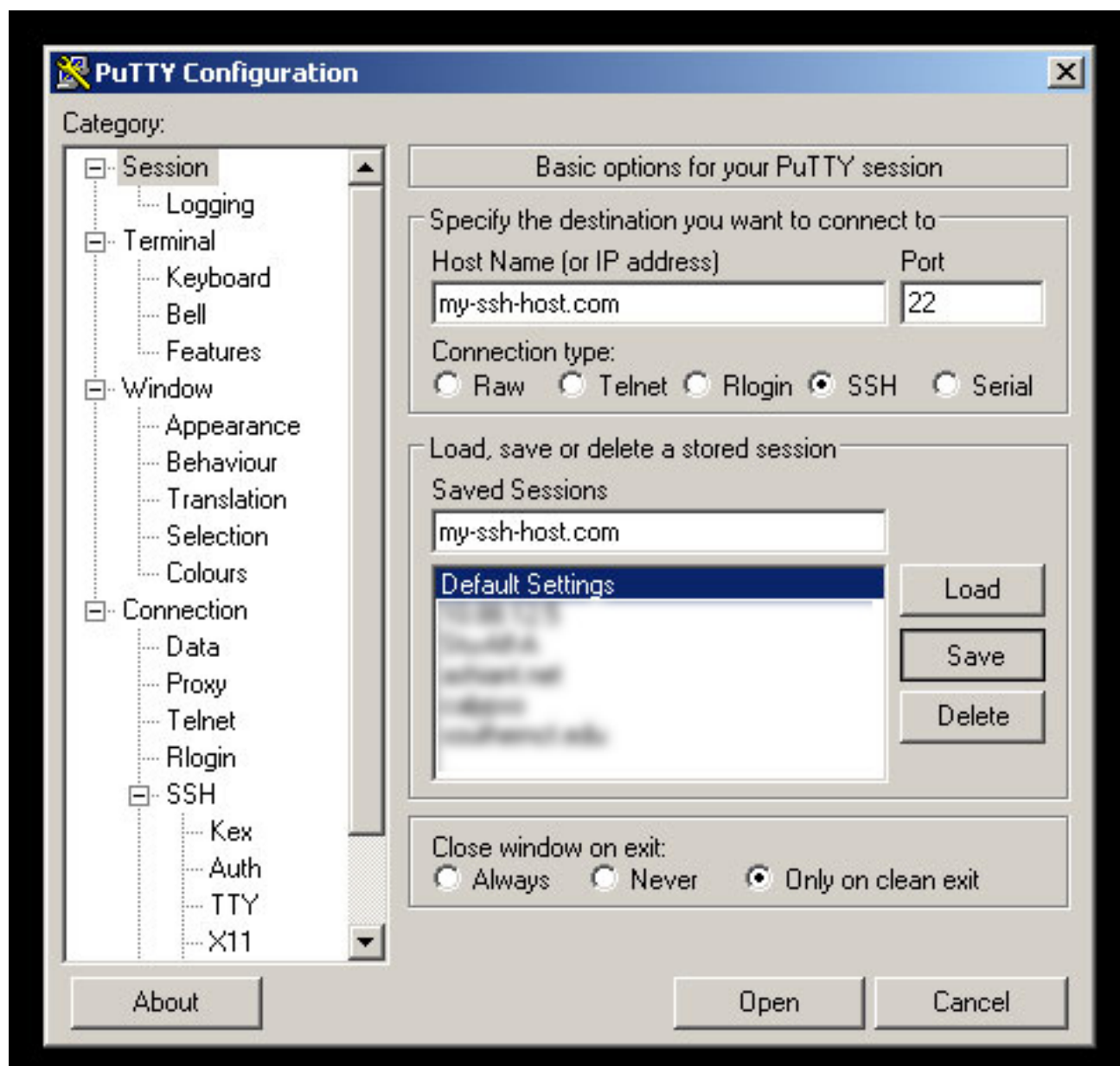
Then choose the option "Dynamic"

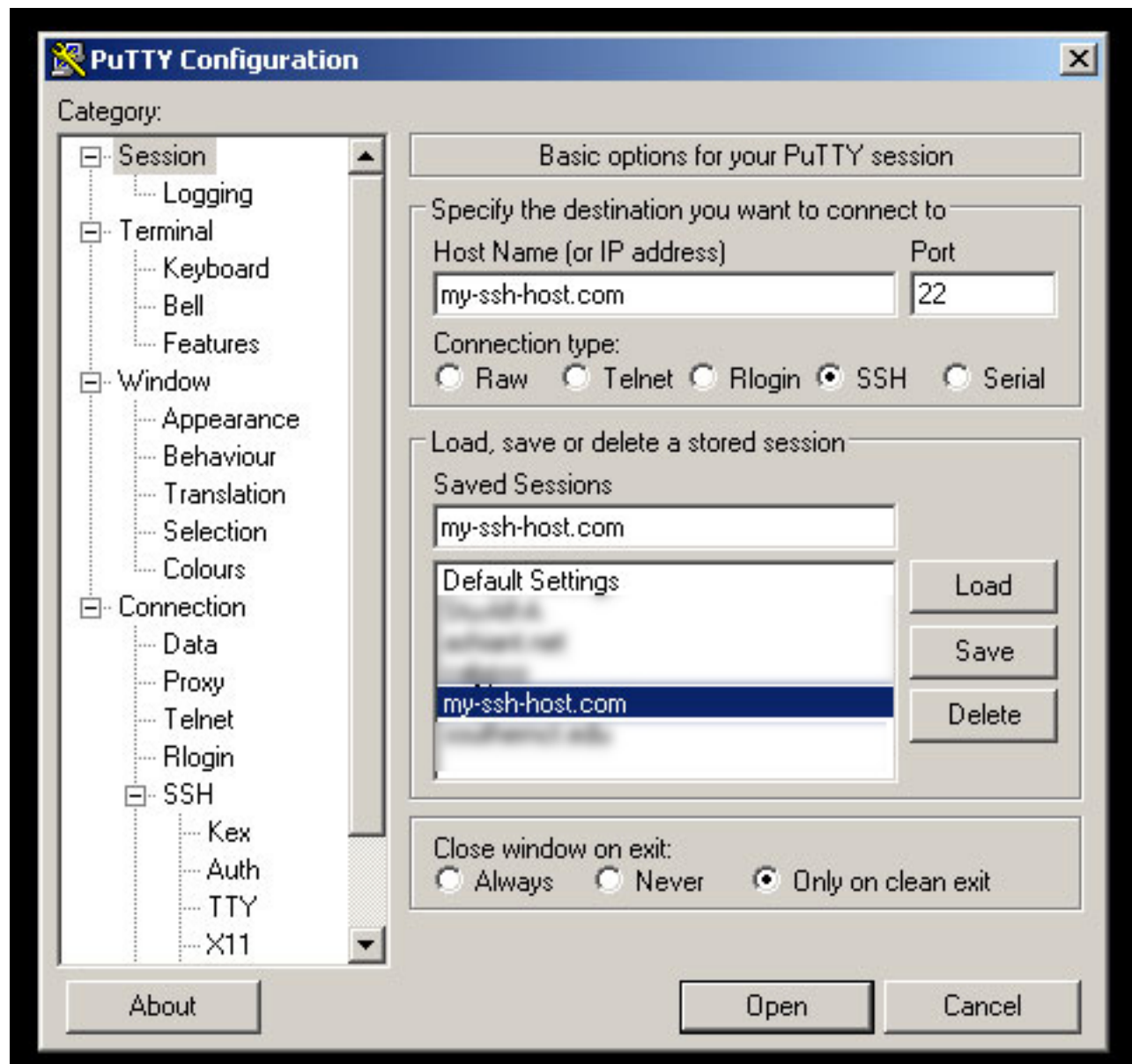Now you need to click the "Add" button

Scroll back up and click "Session"

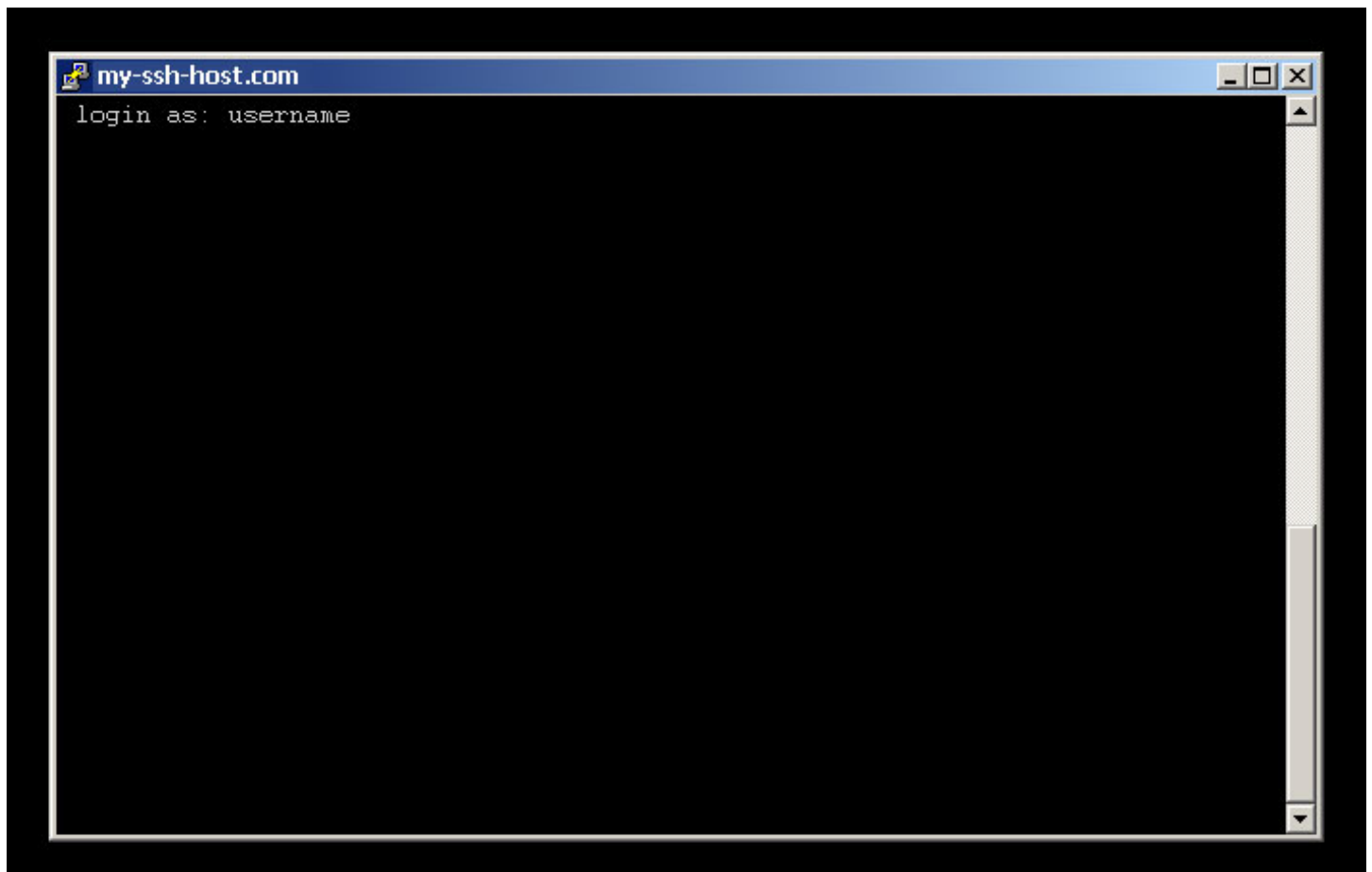You now should click the "Save" button

Now connect with the "Saved Session" you created by double clicking it.

You will be prompted to enter your "Username" for the server you're using, this username is assigned to you by the Administrator of the server you're using.

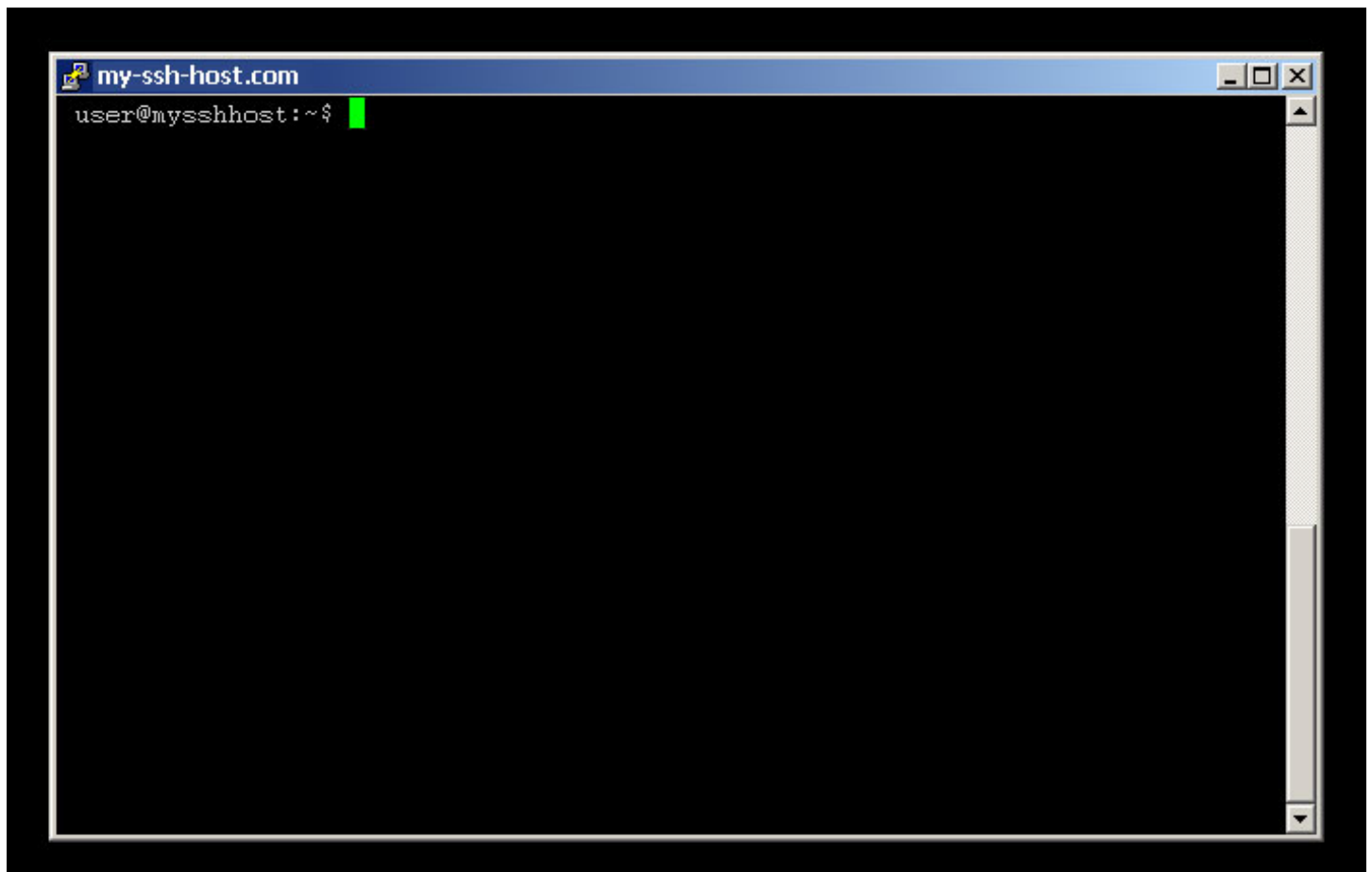Once you've entered it, press "Enter" or "Return" on your keyboard.

Now you will need enter the "Password" that was assigned to you by the server Administrator.

Then you will need to press "Enter" or "Return" on your keyboard.
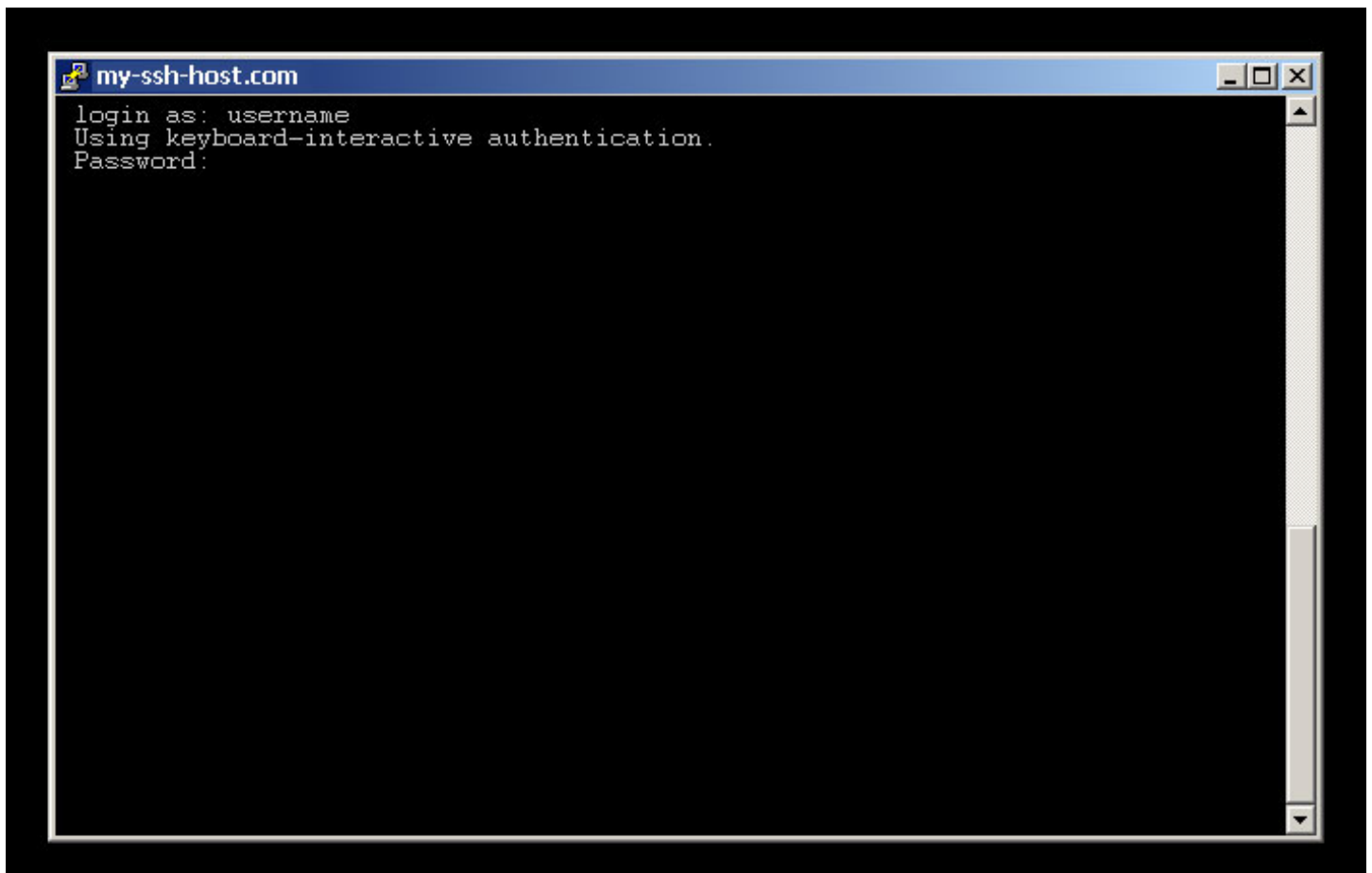
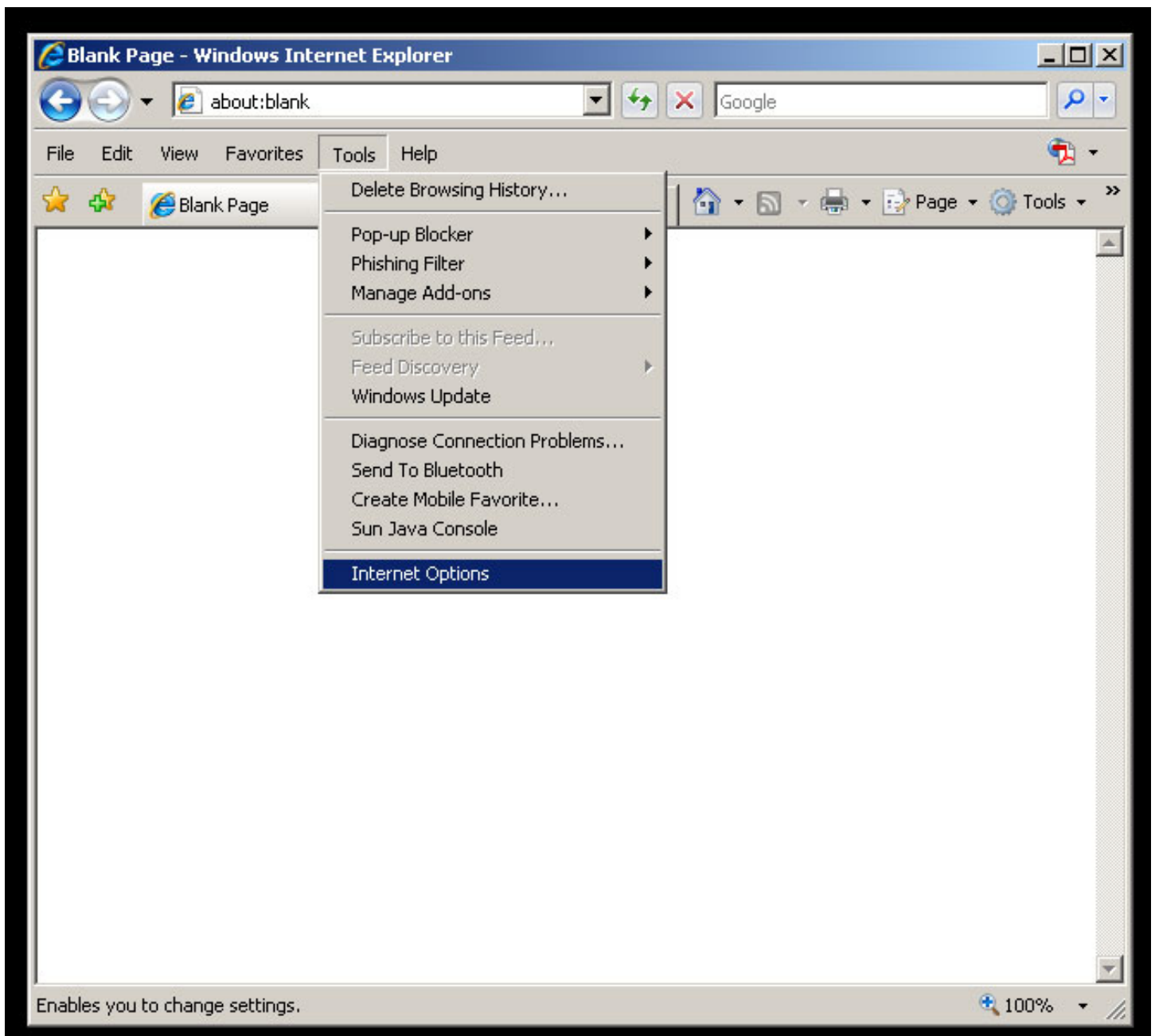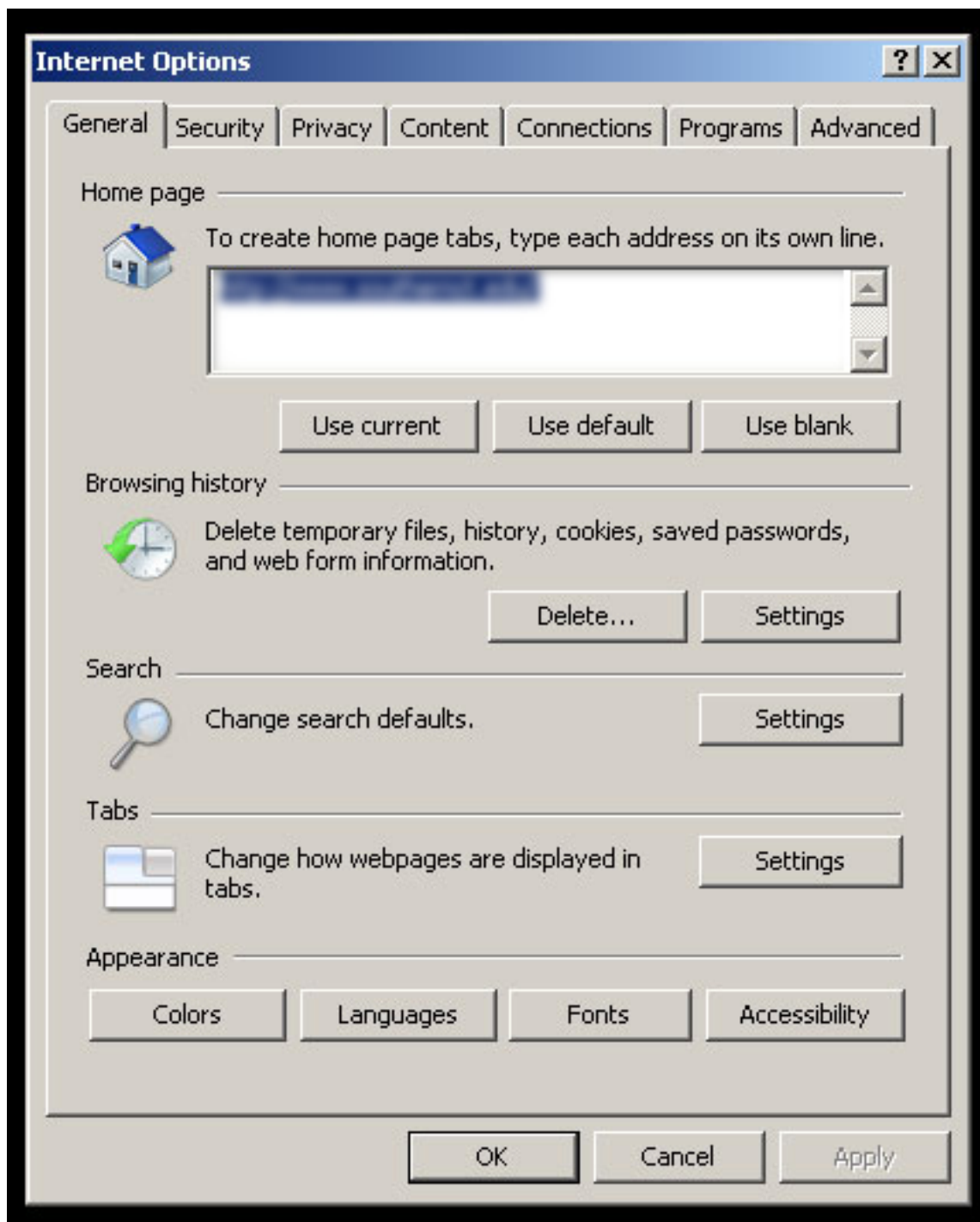You will be then be left at a command prompt.

You can minimize the window.

Now you will need to have your "Web Browser" use this connection we've established.
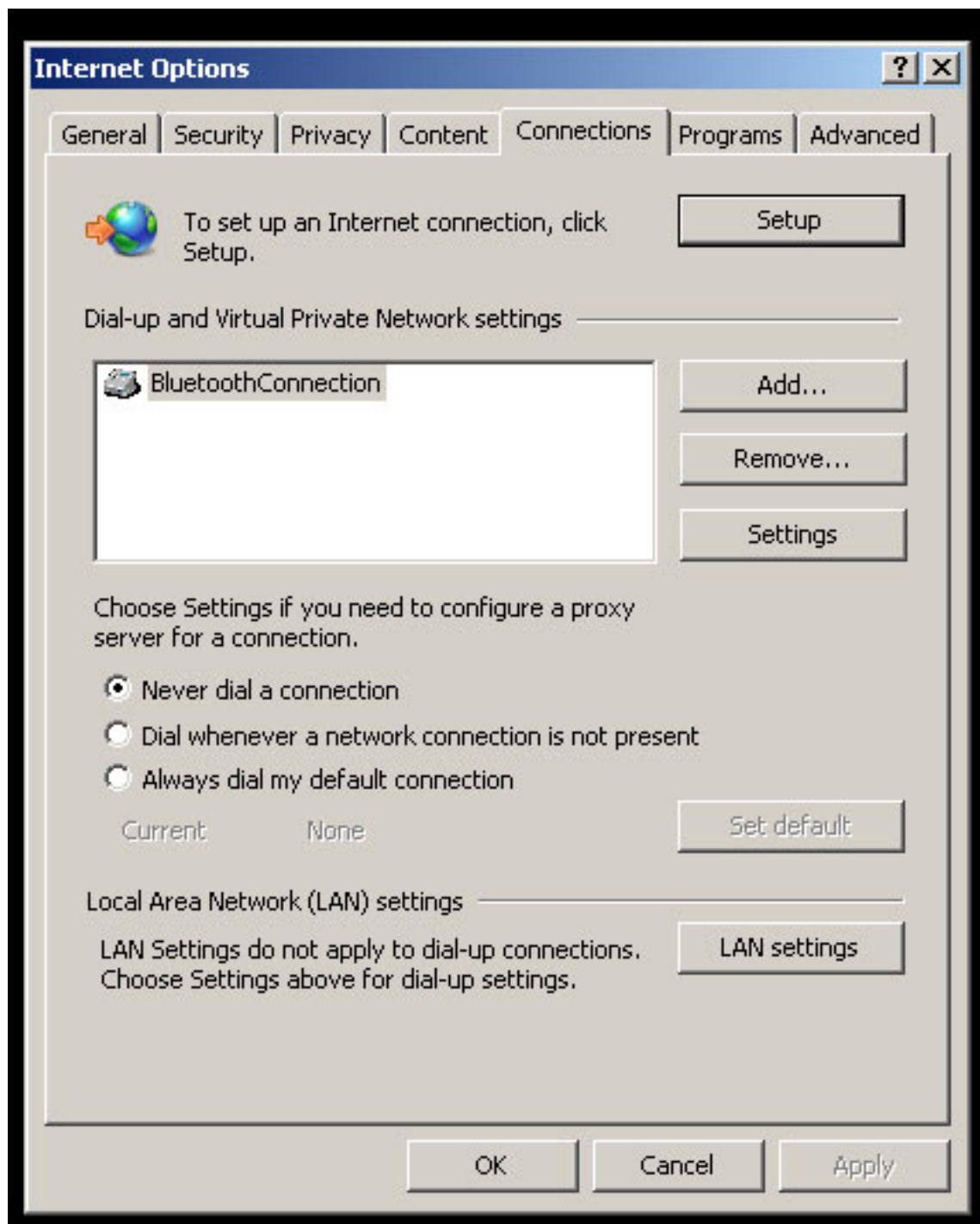
In this example we will use "Internet Explorer 7"

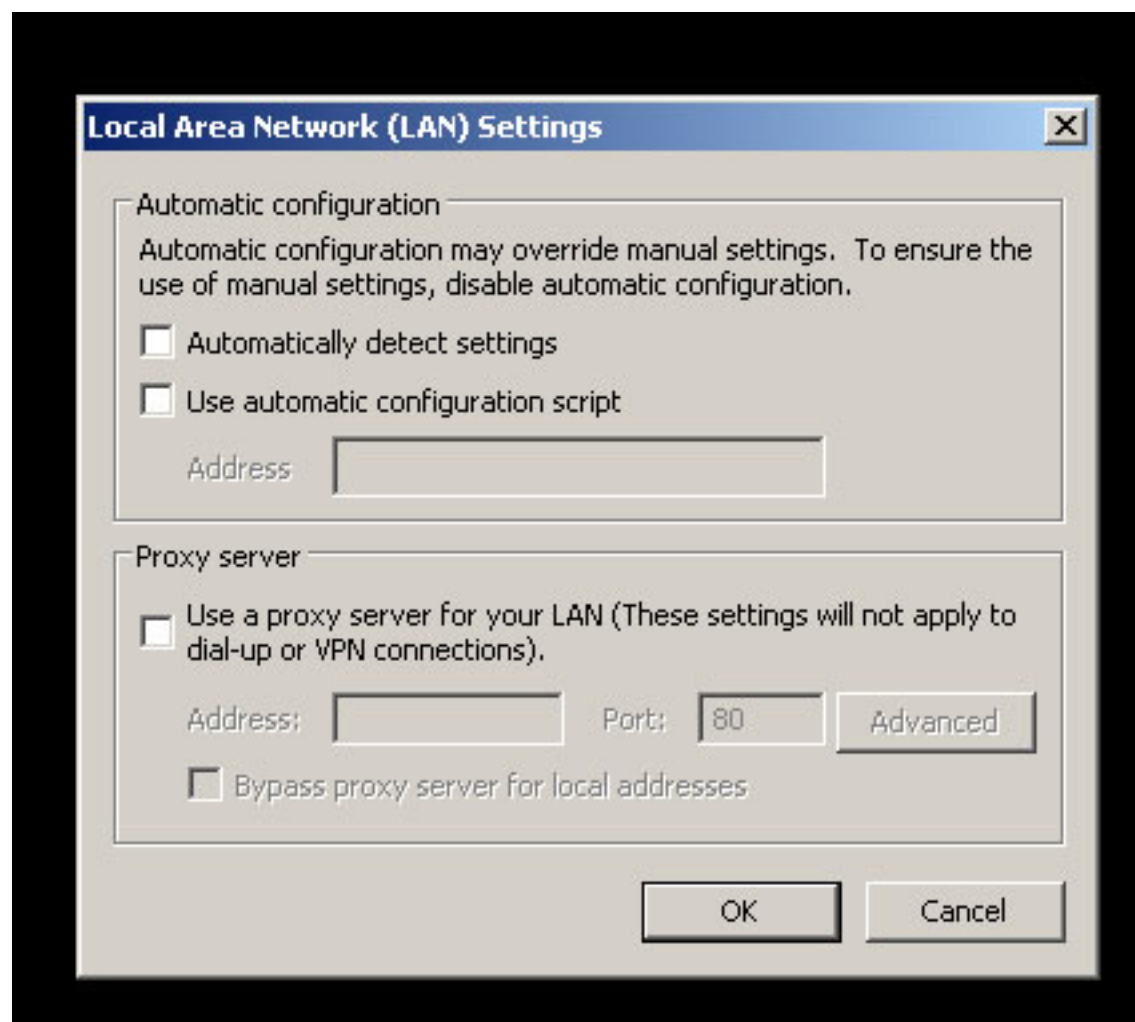Open "Internet Explorer" then go to the "Tools" menu and choose "Internet Options"

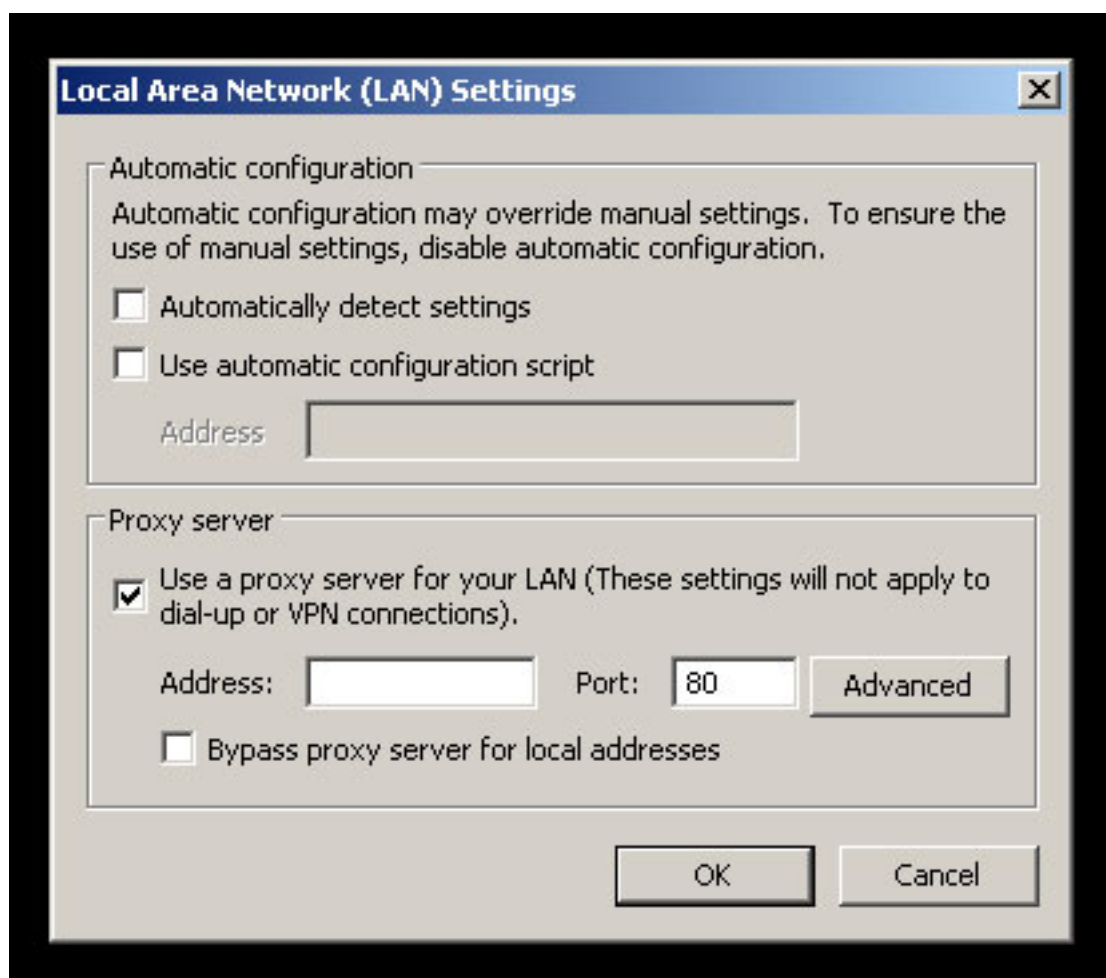You will presented with the following window, you need to click the "Connections" tab
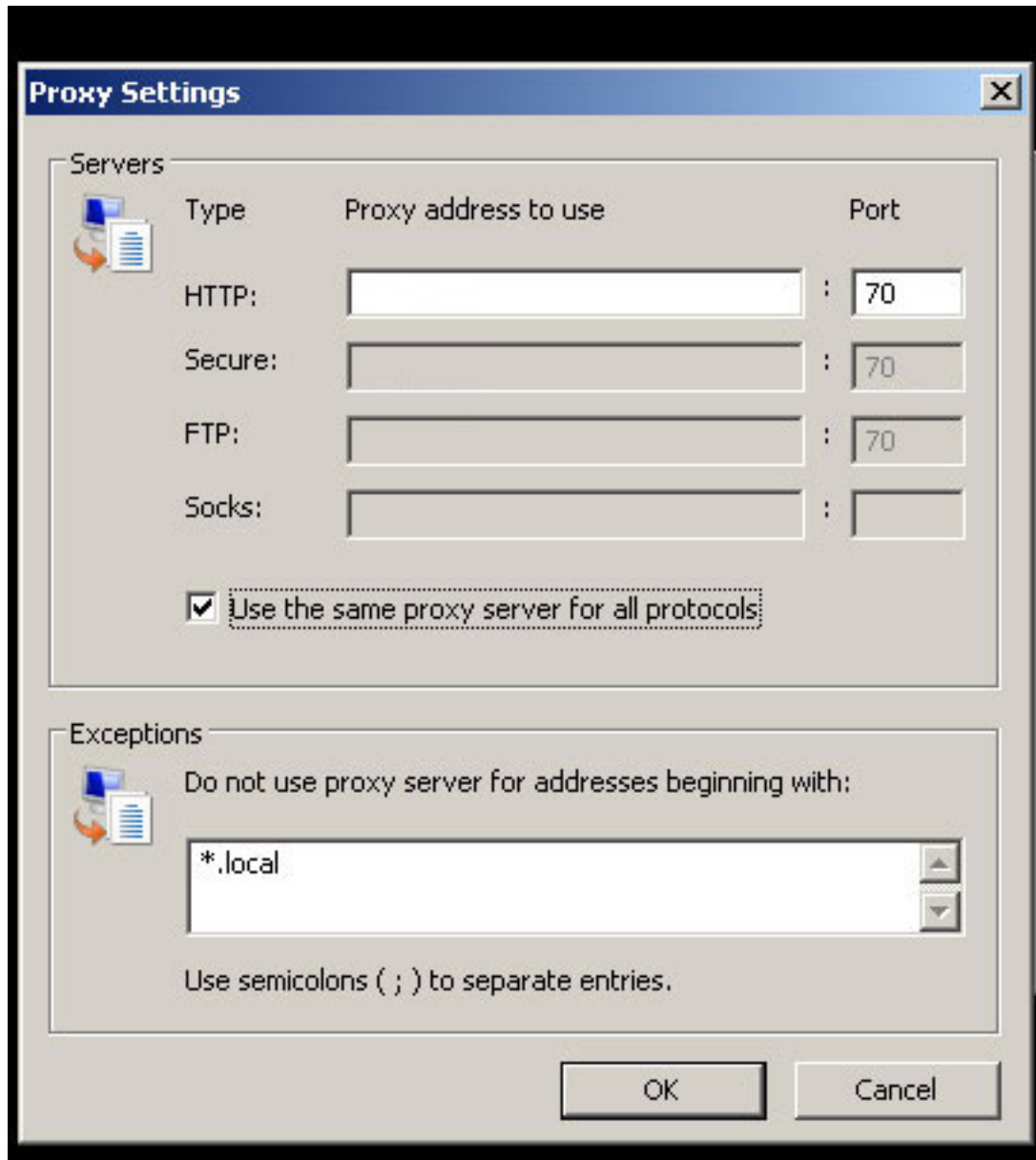
Now you will need to click "LAN Settings"

You will be presented with the LAN Settings window "check" the "checkbox" in the "Proxy Server" section of the window

Now you will need to click the "Advanced" button

In the "Proxy Settings" window you will need to "uncheck" the "checkbox" next to the "Use the same proxy server for all protocols"

Proxy Settings

Servers

Type	Proxy address to use		Port
HTTP:		:	70
Secure:		:	70
FTP:		:	70
Socks:		:	

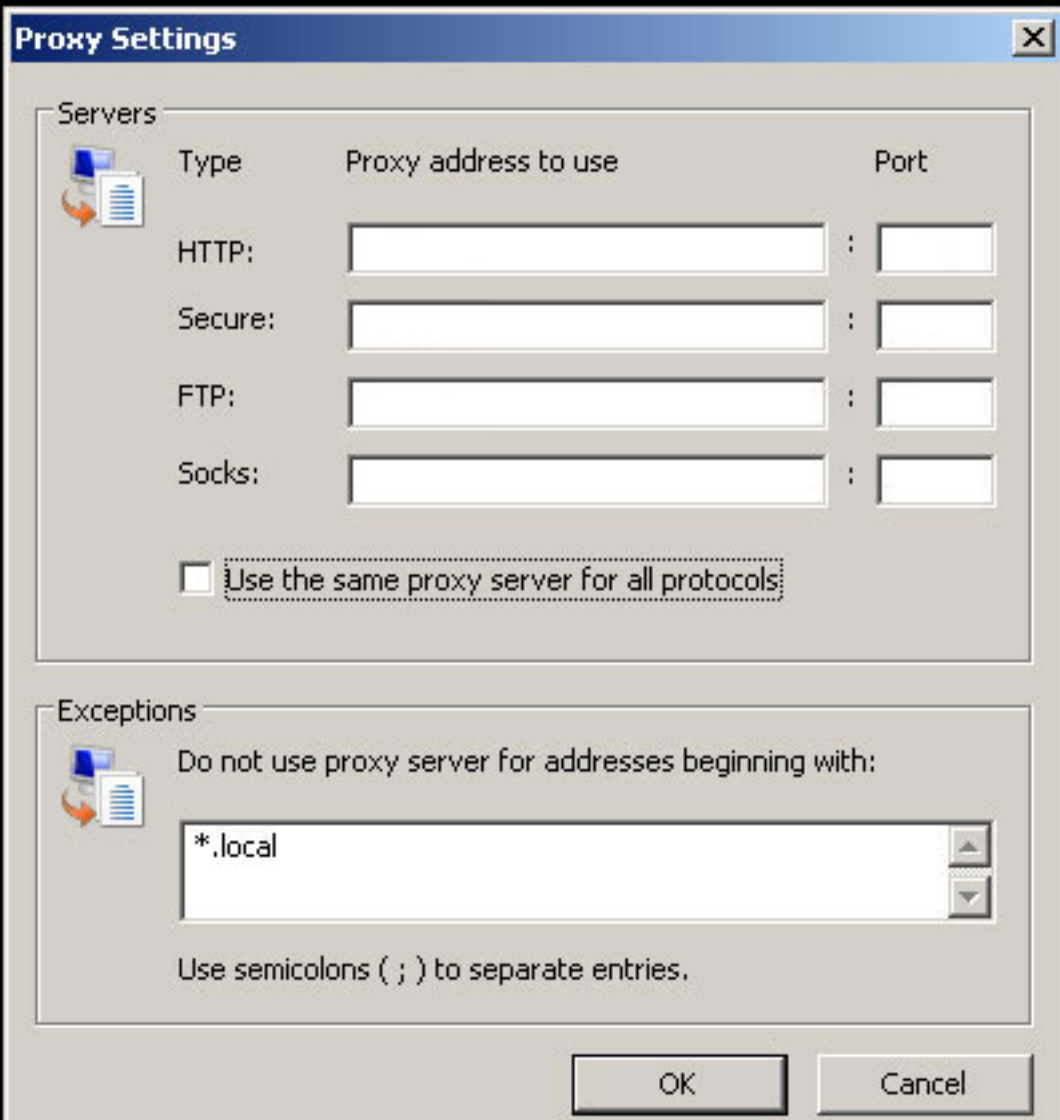☑ Use the same proxy server for all protocols

Exceptions

Do not use proxy server for addresses beginning with:

*.local

Use semicolons (;) to separate entries.

OK   Cancel

Remove all of the information in any of the fields in "Servers"

Proxy Settings

Servers

Type	Proxy address to use		Port
HTTP:		:	
Secure:		:	
FTP:		:	
Socks:		:	

☐ Use the same proxy server for all protocols

Exceptions

Do not use proxy server for addresses beginning with:

*.local

Use semicolons (;) to separate entries.

OK   Cancel

Then in the "Socks:" server field you need to fill in "localhost"

Proxy Settings ☒

Servers

Type   Proxy address to use   Port

HTTP: [   ] : [   ]

Secure: [   ] : [   ]

FTP: [   ] : [   ]

Socks: [localhost   ] : [   ]

☐ Use the same proxy server for all protocols

Exceptions

Do not use proxy server for addresses beginning with:

[*.local   ]

Use semicolons (;) to separate entries.
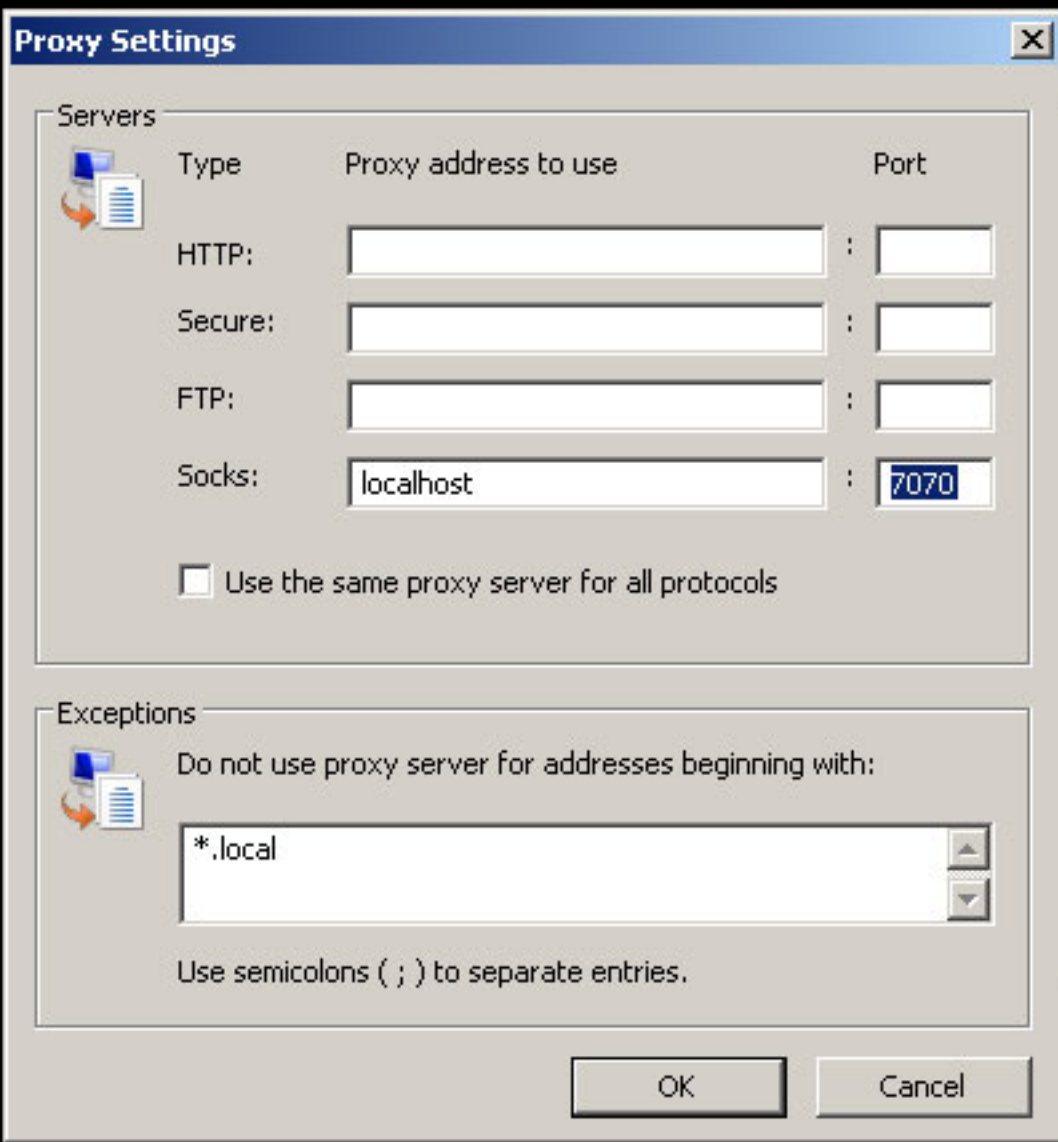
[OK   ]   [Cancel   ]
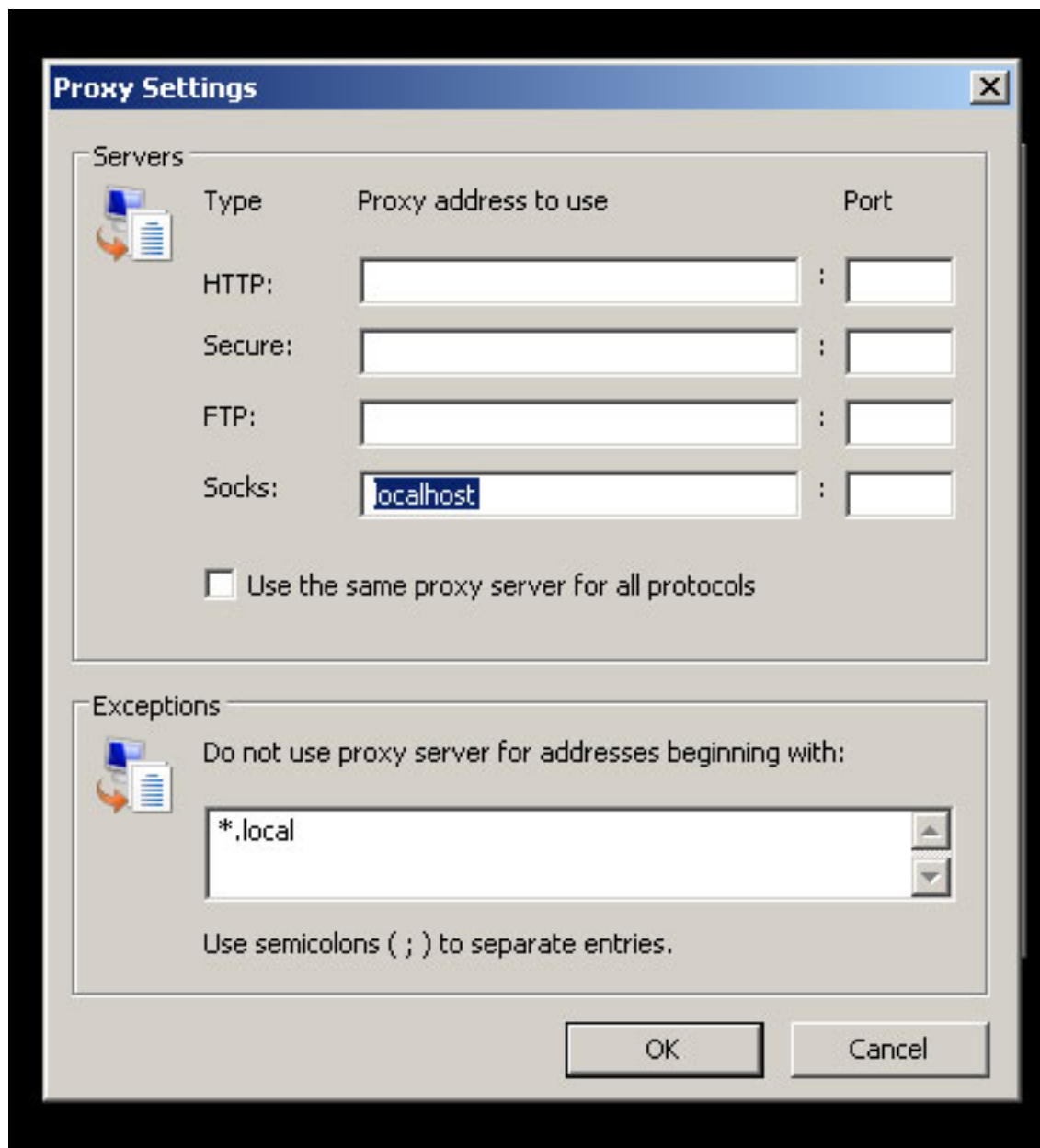
In the "Socks" "port" field you will need to fill in the port "7070" from before.

Click "Ok"

Then click "Ok" to "Local Area Network Settings"

Then click "Ok" to the "Internet Options"

Now "Internet Explorer" will be connecting to the Internet from the "Server" that you're connected to, instead of being connected to through your filtered network connection.

You are free to browse to whatever websites you want.

Just remember that you must be connected to the "Server" with "PuTTY" in order to browse.

If you want to connect to directly you will need to "uncheck" the "Proxy Server" settings.