Ubuntu 9.10 and AU's VPN

From Research Wiki

Configuring a New VPN Connection

1. First, install these packages, or make sure they are installed. Run this from the command line:

   ```
   #sudo apt-get install network-manager-pptp network-manager-vpnc network-manager-openvpn
   ```

2. Then I would reboot. Technically you shouldn't have to, but after a few tries configuring the VPN I decided to reboot.
3. Now, go to **System -> Preferences -> Network Connections**.
4. In the Network Connections dialog you will see some tabs, starting with **Wired**. One of the tabs is **VPN**. Click on that tab.
5. From the **VPN** tab click the **Add** button
6. A **Choose a VPN Connection Type** dialog will appear.
   1. Select **Point-to-Point Tunneling Protocol** and then click **Create**.
7. A new dialog will appear, probably called **Editing VPN Connection X**.
   1. Leave the connection name default or call it whatever you would like to make it memorable. It's just the name of the connection, so it can literally be anything.
   2. Enter **vpn.athabascau.ca** as the Gateway.
   3. Enter the VPN username you were given.
   4. Enter the VPN password you were given.
   5. Nothing for NT Domain

8. Now select **Advanced**.
   1. Under **Authentication** deselect everything but **PAP, CHAP, and MSCHAP**. So MSCHAPEv2 and EAP should **not** be selected.

PPTP Advanced Options

Authentication

Allow the following authentication methods:

- ☑ MSCHAP
- ☐ MSCHAPv2
- ☐ EAP

Security and Compression

- ☐ Use <u>P</u>oint-to-Point encryption (MPPE)

  <u>S</u>ecurity: [All Available (Default) ⌄]

  ☐ Allow s<u>t</u>ateful encryption

- ☐ Allow <u>B</u>SD data compression
- ☐ Allow <u>D</u>eflate data compression
- ☑ Use TCP <u>h</u>eader compression

Echo

- ☐ Send PPP <u>e</u>cho packets

[<u>C</u>ancel]   [<u>O</u>K]
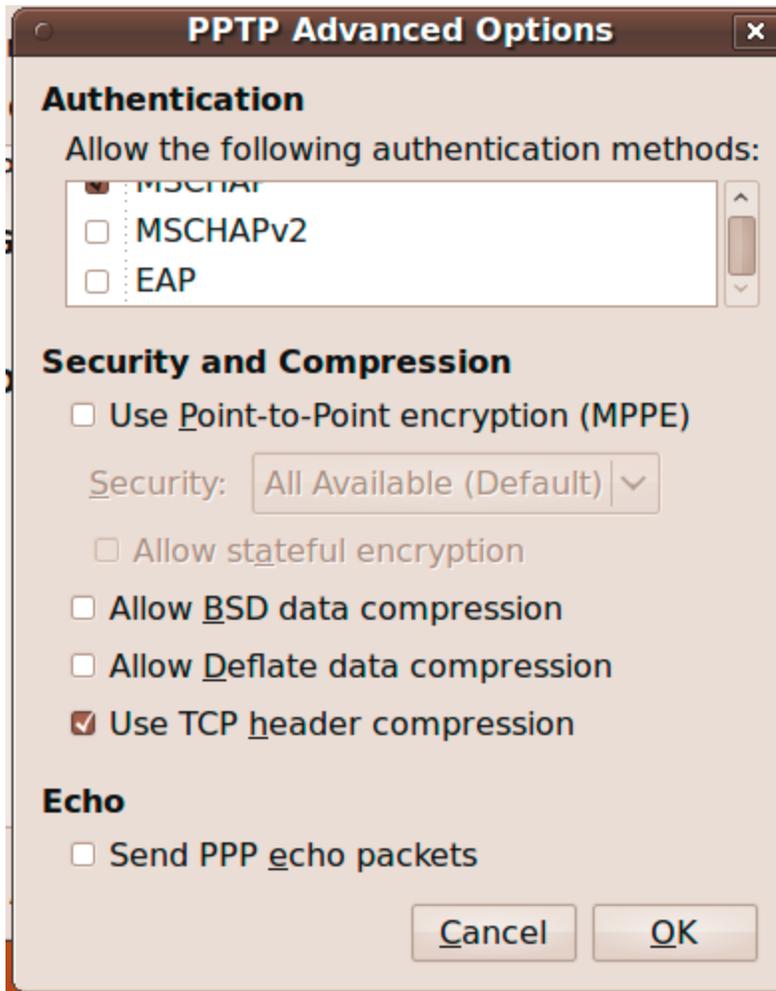
2. Under **Security and Compression** deselect everything except **Use TCP header compression**.
3. Select **OK**.

9. Click on the **IPV4 Settings** tab. Enable **Use this connection only for resources...** This will ensure that only AU destined network traffic goes over the VPN. All other traffic (example: web browsing) will go over your normal network connection.
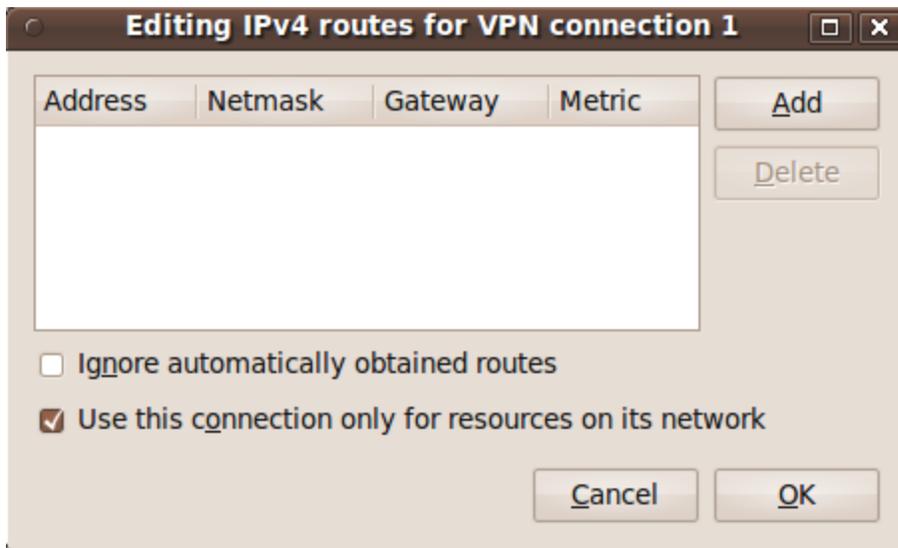
10. Apply or Close all dialogs.
11. Now in the far upper right side of the desktop is a network icon. Click on it and go to **VPN Connections** and select the VPN entry you just configured. The VPN should connect.

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