

Ndiswrapper Step by Step Setup

This has been largely replaced by the newer versions on Network Manager and the loading of “Proprietary Drivers” in UBUNTU 9.04.

1. What Kind of wireless card is in the pc/laptop?
1. Start System -> Administration -> Device Manager. (Ubuntu 6.xx) Advanced Tab
2. Start System -> Preferences -> Hardware Information (Ubuntu 7.04) Advanced Tab
3. or in a terminal enter;
 1. >\$ lspci -vnn | grep [Nn]etwork
4. Look for “network interfaces” or the PCI ID. Something of the form 1234:4321 or 1234_4321 (it may contain the letters a-f as it is in Hex). mine is 14e4:4318,
5. Get the Chipset manufacture Broadcom for example.
6. Go to [Http://ndiswrapper.sourceforge.net/joomla](http://ndiswrapper.sourceforge.net/joomla)
 1. Documentation -> List of cards known to work -> choose the list which should contain the chipset manufacture
 1. Do a find on the page (Edit->Find) on the PCI ID and see how its description compares to your system (Manufacture, CPU 32 bit/64 bit, etc).
 2. Check the next one, until you get a “good” match
 3. Download the “windows Driver” if you are lucky it will be in a Linux friendly format.
 4. f it is not in a Linux friendly format (.exe) you will need a windows box to extract the needed parts from it so put it there.
 1. If you don't have a utility to do the extract try [Http://www.legroom.net/software/uniextract](http://www.legroom.net/software/uniextract) and install it on your windows system.
 5. If it is Linux friendly .tar, .zip, .tgz, ect use the correct utility to extract the needed files.

6. Do the extract and copy the *.inf, *.sys, and if present *.bin files to the Linux system.
7. Place the files in a directory where you can remember the name (Desktop/driver is what I used.)

2. Download ndiswrapper and install.

1. Ubuntu ->System ->Administration -> Synaptic Package Manager

1. Search “ndiswrapper” mark ndisgtk, and ndiswrapper-utils-1.9 (as of 5/14)

2. Apply

3. Allow it to get ndiswrapper-common

2. Fedora Core 6

1. Applications->Add Remove Software

1. Search on ndiswrapper and select it, let it add its kmod's as needed.

3. Check what Driver if any is being loaded already.

1. open a terminal and do;

1. `$ lsmod #` this will list all the modules that are currently loaded

2. Look around < first guess by me would be the default `bcm43xx` >

4. Unload it and prevent it from loading on the next boot;

1. Back to that terminal.

2. `># rmmod module_name # rmmod bcm43xx`

3. use your editor to add the following line to the file `/etc/modprobe.d/blacklist`

1. `>blacklist module_name`

2. `>blacklist bcm43xx`

4. Save and exit the file.

5. Install the windows drivers to ndiswrapper.

1. Using the GUI

1. System->Administration->Windows Wireless Drivers

2. Install New Driver
3. Browse to the folder created in 1.5.3.4 (where you saved the .inf & .sys files)
4. Select the .inf file, and click open
5. Click Install
2. Using the CLI
1. Open a “ROOT” terminal.
2. Change to the directory from 1.5.3.4 (where you saved the .inf & .sys files)
1. EX. # cd /home/jimc/Desktop/driver
3. install the driver
1. ># ndiswrapper -i filename.inf
2. ># ndiswrapper -m
6. Add ndiswrapper to your boot up modules.
1. use preferred editor insert the following into the file /etc/modules;
1. ndiswrapper
2. example using the vi editor;
1. >#vi /etc/modules
2. o
3. ndiswrapper
4. <ESC>
5. :wq
7. Now you can either reboot, or try to load ndiswrapper manually.
- >#modprobe ndiswrapper
8. Configure the Network System->Administration->Network
9. DONE :)

Note: As a convention in this the string “>\$” precedes input to a terminal and “>#” a root terminal.

This was tested on an Ubuntu 7.04 system. The FC6 instructions should work but I have not tested them yet.

This is based on;

[Http://www.linuxquestions.org/linux/answers/Networking/NdisWrapper_The_Ultimate_](http://www.linuxquestions.org/linux/answers/Networking/NdisWrapper_The_Ultimate_)

Guide/