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Thread: [Disable ipv6 in Ubuntu 9.04 beta](#)

April 8th, 2009

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## MidasTouchBR

First Cup of Ubuntu

MidasTouchBR's  
AvatarJoin Date: Oct 2007  
Beans: 3  
Ubuntu Jaunty  
Jackalope (testing)**Re: Disable ipv6 in Ubuntu 9.04 beta**

Ok, guys, maybe my solution is not the best, nor the easiest, but it works. I've got the kernel source with Ubuntu patches, provided in the repos, and recompiled it with IPv6 support as modules (just in case someday it become useful) and after that I blacklisted the ipv6 modules in order not to load them. So far, I've got everything working here and no more IPv6 issues as slow connection speed. Bla, bla, bla... well, these were the commands:

## Step 1 - Get the packages needed

Code:

```
$ sudo apt-get install kernel-package libncurses5-dev fakeroot bzip2 linux-source
```

## Step 2 - Unpack the kernel image

Code:

```
$ cd /usr/src  
$ tar jxvf linux-source-*.tar.bz2  
$ ln -sf /usr/src/linux-source-[version of the source you've got] /usr/src/linux
```

NOTE: You will get the source of the latest kernel version available in the Ubuntu repositories. By the time I wrote this, 2.6.28 was the latest one.

## Step 3 - Save your kernel configuration to avoid messing things that you don't need to

Code:

```
$ cd linux  
$ sudo cp /boot/config-$(uname -r) .  
$ sudo mv config-$(uname -r) .config
```

## Step 4 - Building IPv6 as a module

Code:

```
$ sudo make menuconfig
```

It will open the kernel configuration menu. First, select "Networking support", then "Networking options". Inside the "Networking options" look for the "IPv6 Protocol" line and with it highlighted press "M" or press the space bar until the letter "M" appears between the major and minor signs, like this "<M>". Save your new configuration and exit.

## Step 5 - Recompiling the new kernel

Code:

```
$ sudo make-kpkg clean  
$ sudo fakeroot make-kpkg --initrd --append-to-version=noipv6 kernel_image kernel_headers
```

It took a couple of hours for me the recompiling process, so, go get a coffe or something and wait...

## Step 6 - Installing the new kernel

Code:

```
$ cd /usr/src  
$ sudo dpkg -i linux-headers-*.deb  
$ sudo dpkg -i linux-image-*.deb
```

## Step 7 - Blacklist the IPv6 module

Code:

```
$ sudo nano /etc/modprobe.d/blacklist
```

In the end fo the file, add the following line:

Code:

```
blacklist ipv6
```

Save it and exit.

Step 8 - Check if everything is right

Well, reboot your machine, connect in the internet in the way you always do and in the terminal use the following command:

Code:

```
$ ip a | grep inet*
```

If the output did not show anything like "inet6", congrats. You're now using IPv4.

NOTE 1: in step "4", instead of building IPv6 as a module someone could simply get rid of it by pressing space bar until leave IPv6 unmarked. If you do that, you could skip Step 7 because blacklisting would not be necessary (since you've chosen not to build the IPv6 at all).

NOTE 2: Sorry for my poor english. I'm brazilian and this is not definitely my mother tongue 😊

