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Hardware

[ubuntu] How to use usb_modeswitch for ..?

Results 1 to 10 of 10

Thread: How to use usb_modeswitch for ..?

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Thread Tools Display

November 2nd, 2011

#1



Join Date: Jun 2008







Beans: 50

How to make EDGE USB Modem work in Linux?

In The Name Of Allah The compassionate merciful

Good day all;

Have a EDGE USB Modem and want to connect internet with it . It has a drive that contain a driver and windows users install it and go ..

Someone told me use usb_modeswitch:

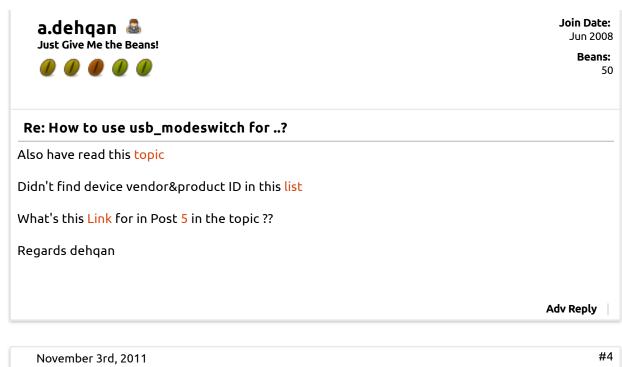
mode switching data for usb-modeswitch

Several new USB devices have their proprietary Windows drivers onboard, especially WAN dongles. When plugged in for the first time, they act like a flash storage and start installing the driver from there. If the driver is already installed, the storage device vanishes and a new device, such as an USB modem, shows up. This is called the "ZeroCD" feature.

On Debian, this is not needed, since the driver is included as a Linux kernel module, such as "usbserial". However, the device still shows up as "usb-storage" by default. usb-modeswitch solves that issue by sending the command which actually performs the switching of the device from "usb-storage" to "usbserial".

Now , don't know how to use usb_modeswitch? have read man and did so > sudo usb_modeswitch -v 05c6 -p 0015

```
but result says #
Warning: no switching method given.
http://pastebin.com/20XTpZVk
Will be thankful if you guide me .
Regards Dehqan
Last edited by a.dehgan; November 2nd, 2011 at 11:37 PM.
                                                                               Adv Reply
                                                                                      #2
  November 2nd, 2011
                                                                                 Join Date:
  a.dehqan 🚇
                                                                                  Jun 2008
   Just Give Me the Beans!
                                                                                   Beans:
                                                                                       50
Re: How to use usb_modeswitch for ..?
In The Name Of Allah The compassionate merciful
Did so but Isusb does not show anything changed:
   Code:
    sudo usb_modeswitch -v 05c6 -p 0015 -V 05c7 -P 0016 -H -s -R
    Looking for target devices ...
    No devices in target mode or class found
    Looking for default devices ...
    Found devices in default mode or class (1)
    Accessing device 005 on bus 004 ...
    Using endpoints 0x01 (out) and 0x81 (in)
    Using endpoints 0x01 (out) and 0x81 (in)
   Not a storage device, skipping SCSI inquiry
    USB description data (for identification)
    Manufacturer: Global Mobile
         Product: Global Mobile
      Serial No.: 1234567890ABCDEF
    Sending Huawei control message ...
     OK, Huawei control message sent
                                                                               Adv Reply
                                                                                       #3
  November 3rd, 2011
```





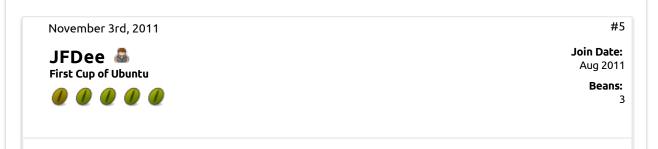
Re: How to use usb_modeswitch for ..?

Usb_modeswitch is included in the standard desktop install with all versions of Ubuntu from around 10.04 on. So you already have it installed, though it may not be the very latest release.

I'm assuming that when you plugged in your USB modem for the first time, the Mobile Broadband app did not come up and ask what provider you are using and set up the modem automatically?

If not, you modem might not be supported yet. My Virgin Mobile USB broadband modem is instantly detected with a new install, and takes about 15 seconds to set up. That's what should have happened with yours.

Adv Reply



Re: How to use usb_modeswitch for ..?

Your modem is switched and in target mode already. In default mode it would show the USB ID 05c6:2000. So don't try do use usb_modeswitch manually.

The problem here is most likely "modem-manager". It's supposed to help Network Manager (NM) with finding the correct port for the dial-in connection. Unfortunately, it runs into trouble or picks a wrong port occasionally, especially if the said port is not the very first one.

If your modem is providing several serial interfaces (most 3G modems do) you will find the respective number of "ttyUSB" device files in "/dev". usb modeswitch will add a symbolic link named "gsmmodem" after switching which points to the port to be used for the connection.

Unfortunately, I don't know of a way to override the automatic detection and to tell NM which port to use. It's a basic complaint I have concerning this application.

The only solution is to try other programs for connection; they may require a bit more attention during setup than NM though.

BTW, if you run the "dmesg" tool repeatedly in a terminal window, you can see a bit about what's going on after you plug in your stick.

Adv Reply

November 3rd, 2011

a.dehgan 🚇 Just Give Me the Beans!







#6

Join Date: Jun 2008

Beans:

Re: How to use usb_modeswitch for ..?

In The Name Of Allah The compassionate merciful

Hello

Thanks a lot for attention

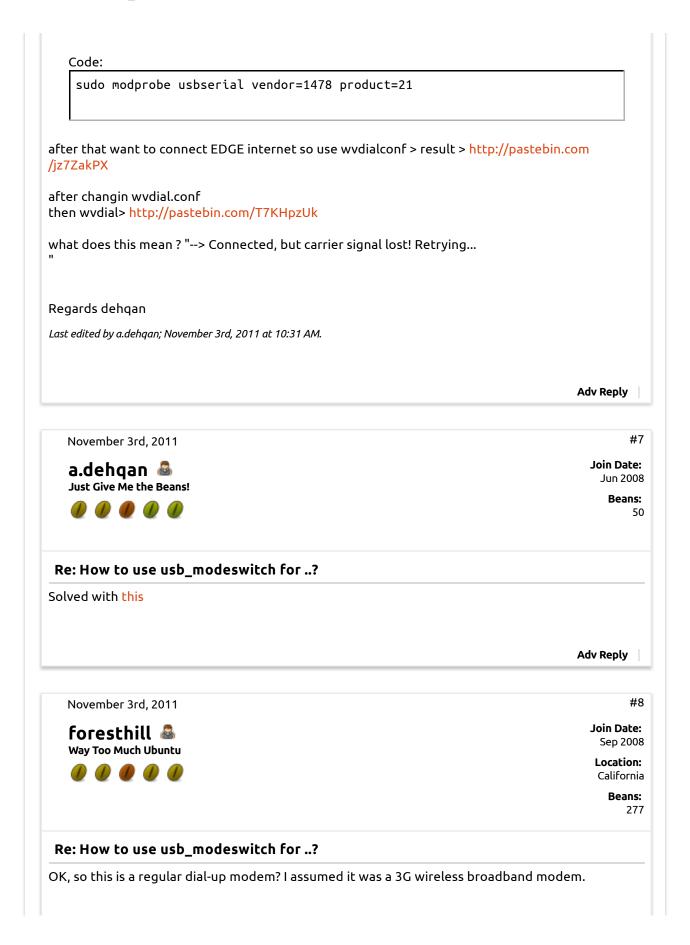


👥 Originally Posted by JFDee 🗾

If your modem is providing several serial interfaces (most 3G modems do) you will find the respective number of "ttyUSB" device files in "/dev". usb_modeswitch will add a symbolic link named "gsmmodem" after switching which points to the port to be used for the connection.

there is /dev/gsmmodem

When humble try this command it makes /dev/ttyUSB0 and /dev/ttyUSB1 and /dev/ttyUSB3

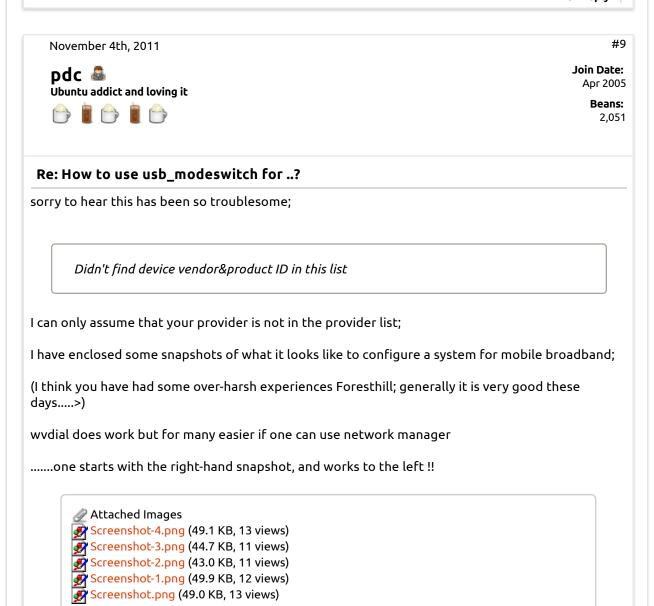


You have it working now? You're a better man than I if you were able to get that setup working.

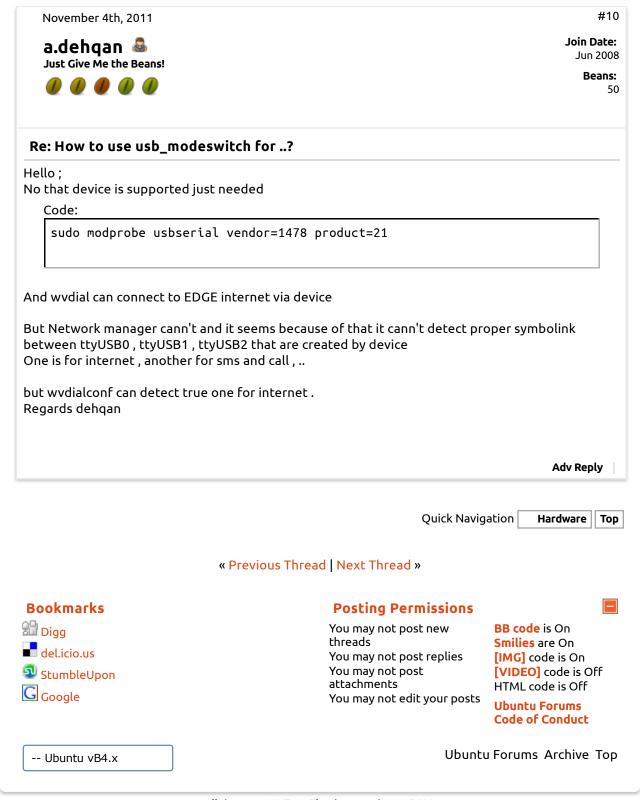
Generally, USB dial-up modems are extremely difficult to get set up in Linux. I've had much better luck with serial modems, connected with a serial to USB connector. Most serial to USB connectors are plug and play in Linux, as are most serial modems.

So if you have problems in the future with the USB modem, you may want to consider using a set-up like that.

Adv Reply



Adv Reply



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