Megawin

USB EasyCOM for Linux

Application Note

How to load CDC

Index

MEGAWIN
MAKE YOU WIN

1. Loading cdc_acm module (USB Modem) && USB_Serial module

Code: **dmesg	grep ACM**
cdc_acm 1-1:1.0: ttyACM0: USB ACM device

If **dmesg |grep ACM** doesn't return anything, you need to modprobe acm / cdc-acm:

Kernel 2.6: Code: **modprobe cdc-acm** Kernel 2.4: Code: **modprobe acm**

If the module doesn't exist, you need to edit your kernel config :

Linux Kernel Configuration: CDC ACM
Device Drivers   --->
   USB support   --->
      <M>   USB Modem (CDC ACM) support

   USB Serial Converter support   --->
      <M> USB Serial Converter support |

Code: **make && make modules_install**

You should now be able to modprobe it.

2. Checking the entry in /dev after plugging in the device

Once dmesg |grep ACM shows your device, you need to check if the device is well registered in /dev. Under devfs Megawin device is now **/dev/usb/acm/0**, udev will call it **/dev/ttyACM0**

Kernel 2.6 (udev):
Code**: ls -l /dev/ttyACM***

Kernel 2.4 (devfs) :
Codes: **ls –l /dev/usb/acm/0   [as in Mandrake 9.2]**

**If acm module is successfully loaded, but still not able to see acm device file either as in ttyACM0 or /usb/acm/0 format, you need to create the device file for acm device[tested in RedHat 9 kernel 2.4.20-8]:

Code: **dmesg | tail**

 Hub.c : new USB device xx:xx.x-x, assigned address x
 ttyACM0 : USB ACM device

Code: **mknod /dev/ttyACM0 c 166 0**

And it's a good idea to symlink Megawin Virtual COM device to the system.

Kernel 2.6:
    Please run the MwUsb2com   AP with root permission, and it will auto mount device rules, and symlink the Megawin Virtual COM device under /dev/ttyS#.

Kernel 2.4:

Code**:   ln –s /dev/usb/acm/0 /dev/ttyS4**
Code: chmod a+rw /dev/usb/acm/0
Code: chmod a+rw /dev/ttyS4

if you got error, it probably is because of permission issue.

Reference:

http://gentoo-wiki.com/HOWTO_Phone_sync

http://www.mjmwired.net/kernel/Documentation/usb/gadget_serial.txt

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