

Can I run the GUI on my Mac ? (Part II)

The question how to run the uTracer GUI on a Mac system seems to continue puzzling people! Mike Foo found a way to use the uTracer GUI on a Mac system, without resorting to booting into Windows via bootcamp. Here is his account of the procedure.

I managed to get uTracer ver 3.10 working in Mac OS. I can stick to Mac OSX and yet run uTracer. I use WINE.

1. Download and install Wineskin Winery. Download one of its engines and one of its wrappers also. (<http://wineskin.urgesoftware.com/tiki-index.php?page=Downloads>).
2. Run the Wineskin Winery application and select "Create New Blank Wrapper" to create an empty wrapper. Give the wrapper a name when prompted (Eg. uTracerGUI.app). The wrapper wraps around the windows application with a pseudo Windows environment.
3. Once the blank wrapper has been created, execute the wrapper.
4. Since it is still an blank wrapper, install the uTracer software using the "Install Software" option. Select "Setup.exe" from the uTracer installation files.
5. Once the uTracer software has been installed, the next step is to setup the communications interfaces for the uTracer hardware. The uTracer software will have to use COM ports to communicate to the uTracer hardware thru the Mac's recognised communication devices.
6. In my setup, I'm using the FTDI USB to Serial cable to interface with the uTracer. I need to find out what this device is listed as in my Mac. To check, I open "Terminal" and type in "ls -l /dev/". This will list all the available devices in my Mac.
7. Fortunately, I see only two devices related to USB Serial, namely "cu.usbserial-FTTE9TWP" and "tty.usbserial-FTTE9TWP" appearing in the list. I do not know which one represents my USB Serial cable, so I proceeded with the next few steps by trial and error.
 1. On El Capitan - /dev/tty.usbserial-A4008HQr and /dev/cu.usbserial-A4008HQr will be seen.
8. Now the WINE wrapper creates a Windows environment for the uTracer GUI. The devices that has been defined for the Windows environment is shown in /Applications/uTracerGUI.app/Contents/Resources/dosdevices. In "Terminal", change to the "dosdevices" directory. There shouldn't be any COM port defined yet.
9. I wish to use COM3 port to communicate to the uTracer software. So I define a COM3 device as a symbolic link in the "dosdevices" directory to the USB Serial device listed in my Mac's /dev/ directory.
10. So while I'm in the "dosdevices" directory, I type "ln -s /dev/cu.usbserial-FTTE9TWP com3". I would need Root privilege on my Mac to do this.
 1. On El Capitan ln -s /dev/cu.usbserial-A4008HQr com3
11. After this when I list "dosdevices" directory, I should see "com3" and it is a symbolic link to /dev/cu.usbserial-FTTE9TWP on my Mac.

1. On El Capitan com3 -> /dev/cu.usbserial-A4008HQr

12. Now when I run the uTracerGUI.app, I select COM3 port to communicate with the uTracer hardware. So whenever data is routed to COM3, it is actually routing to the USB serial. If this doesn't work, I will try linking COM3 to "tty.usbserial-FTTE9TWP" instead.

```
crw-rw-rw-  1 root  wheel   17,  10 18 Feb 12:58 /dev/tty.usbserial-A4008HQr
crw-rw-rw-  1 root  wheel   17,  11 18 Feb 12:58 /dev/cu.usbserial-A4008HQr
crw-rw-rw-  1 root  wheel   17,  10 18 Feb 12:58 /dev/tty.usbserial-A4008HQr
```

```
/Users/mano/Applications/Wineskin/Utracer.app/Contents/Resources/dosdevices
```

```
Manos-MacBook-Pro:Resources mano$ cd dosdevices
```

```
Manos-MacBook-Pro:dosdevices mano$ ls
```

```
c: z:
```

```
Manos-MacBook-Pro:dosdevices mano$ ln -s /dev/cu.usbserial-A4008HQr com3
```

```
Manos-MacBook-Pro:dosdevices mano$ ls -l
```

```
total 24
```

```
lrwxrwxrwx  1 mano  wheel   10 18 Feb 08:00 c: -> ../drive_c
```

```
lrwxr-xr-x  1 mano  wheel   26 18 Feb 13:04 com3 -> /dev/cu.usbserial-A4008HQr
```

```
lrwxrwxrwx  1 mano  wheel    1 18 Feb 08:00 z: -> /
```

```
Manos-MacBook-Pro:dosdevices mano$ pwd
```

1. Manos-MacBook-Pro:dosdevices mano\$