How to find the parallel port address in Linux

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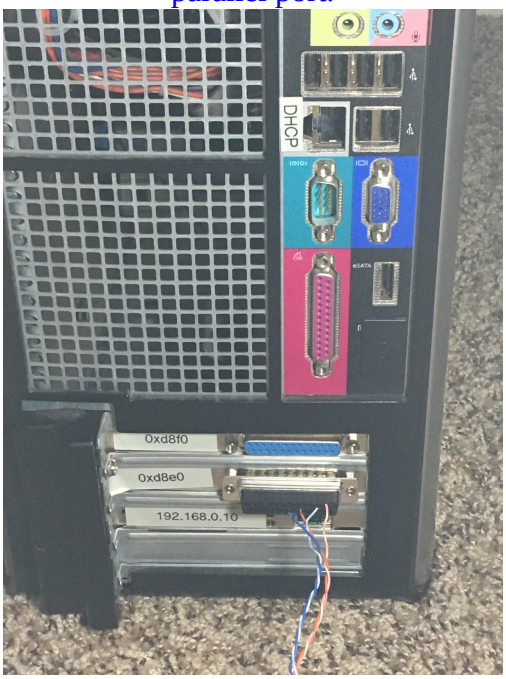
Here I am going to go over how one would find the addresses to my parallel ports In Linux. The machine you see below has two different GNU/Linux operating systems, the default in GRUB is Ubuntu 16.04 server edition without a graphical interface and Linux Mint that has Mate as its graphical interface. I will be finding the address in my Ubuntu install.

This is an image of a Dell computer that has a built in parallel port as well as a PCI add in parallel port.



This process is fairly simple, I will run the command "cat" to read the file "/proc/ioposts" and pipe it though the command "grep" to filter out all lines that don't have the word "parport", I will of course need to preform these commands as root.

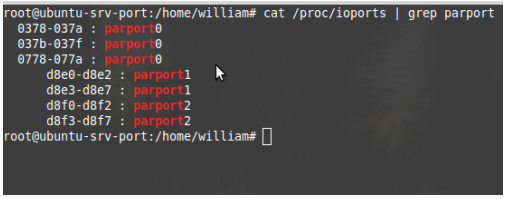
```
cat /proc/ioports | grep parport
```

The output shows this printout.

```
0378-037a : parport0
037b-037f : parport0
0778-077a : parport0
d8e0-d8e2 : parport1
d8e3-d8e7 : parport1
d8f0-d8f2 : parport2
d8f3-d8f7 : parport2
```

So there they are but I am not done because I want to use this address with my article Control Devices with the Parallel Port In Linux. So I will pick the first line on each port listed, an example would be the first line for my parallel port 0 is "0378-037a : parport0". I will take the first 4 digits witch would be 0378 and slap "0x" in front of it. The finished product of course is "0x0378". Witch having that said I would apply the same process to all three yielding the address to my parellel port 1 is "0xd8e0" and my parallel port 2 has an address of "0xd8f0".

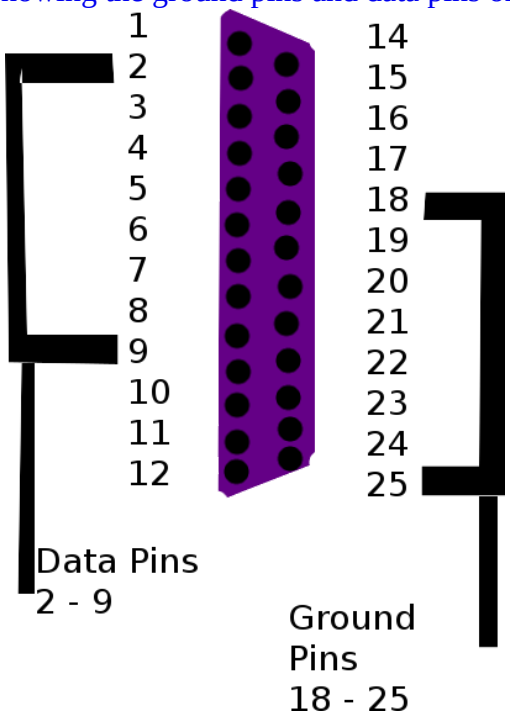
I am finding the parallel port address in Ubuntu server 16.



So that was simple...right?
However you may be asking, "Okay I have my addresses but how do I know witch one is witch?". Well I'd suggest my article Control Devices with the Parallel Port In Linux Continued because with this C program you can test the addresses by turn ports two through nine on witch will output five volts on those pins and then use a volt meter to read the pins to see with port has hot pin. First I'd send the value 0 to make sure all pins are off and then send the value 255 to

set pins two through nine to high. When you turn the ports on our volt meter should read five volts on pins two through nine.

This is an image showing the ground pins and data pins on the parallel port.



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