

IP/Unix Preparation Course

July 19, 2009

Exercises: Terminals and Consoles

1. Open your first “virtual terminal” window:

Press the following key combination:

```
Alt-Ctrl-F1
```

What do you see?

Switch between virtual terminals 1 through 6. Once you are in a console window you can just press:

```
Alt-F[1-6]
```

to move between consoles.

Log in to a console as the user *afnog*:

```
login: afnog
Password: <given in class>
```

Take a look at what processes are running on your machine:

```
$ ps auxwww
```

If you had to you could kill a process that might have hung your X session (Gnome).

To return to Gnome (your GUI) press:

```
Alt-Ctrl-F9
```

2. Configure Minicom to work as a console for a router or switch (**Optional**)

We want Minicom to be configured to use serial port *ttyS0* at 9600 bps with 8N1 and no hardware flow control for use later in the week. As *sysadmin* open a terminal window:

- 1.) `$ sudo minicom -s`
- 2.) Choose “Serial port setup”
- 3.) Set Serial Device to be `/dev/sio0` (if available)
- 4.) Set Hardware Flow Control to “No”
- 5.) Exit, then press Ctrl-a, z. Choose “comm Parameters”
- 6.) Set Speed to 9600
- 7.) Exit. Exit Minicom (Ctrl-a, x) and restart Minicom:
- 8.) `$ sudo minicom`