Network training

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1 HTTP example

1.1 Who are you? Where are you?

What is your own IP address? What is your own MAC address? What do theses commands display?

```
#ifconfig
$curl ifconfig.me
$netstat -at
```

1.1.1 ARP

Before we can access the Internet we need to know who/what is the gateway. What is the IP address of yours? What is the MAC address? What do theses commands display?

```
#route -n
#arp -a
```

2 Chat

`netcat` is a "network swiss army knife". By checking its man page how can you use it as a chat server/client (two nodes only).

2.0.2 TCP

Use the mode TCP of `netcat` and try it. Can `netstat` could, somehow, be handful for anything while waiting for connection?

2.0.3 UDP

Use the mode UDP of `netcat` and try it. Explain a situation within the server could not receive every packet.