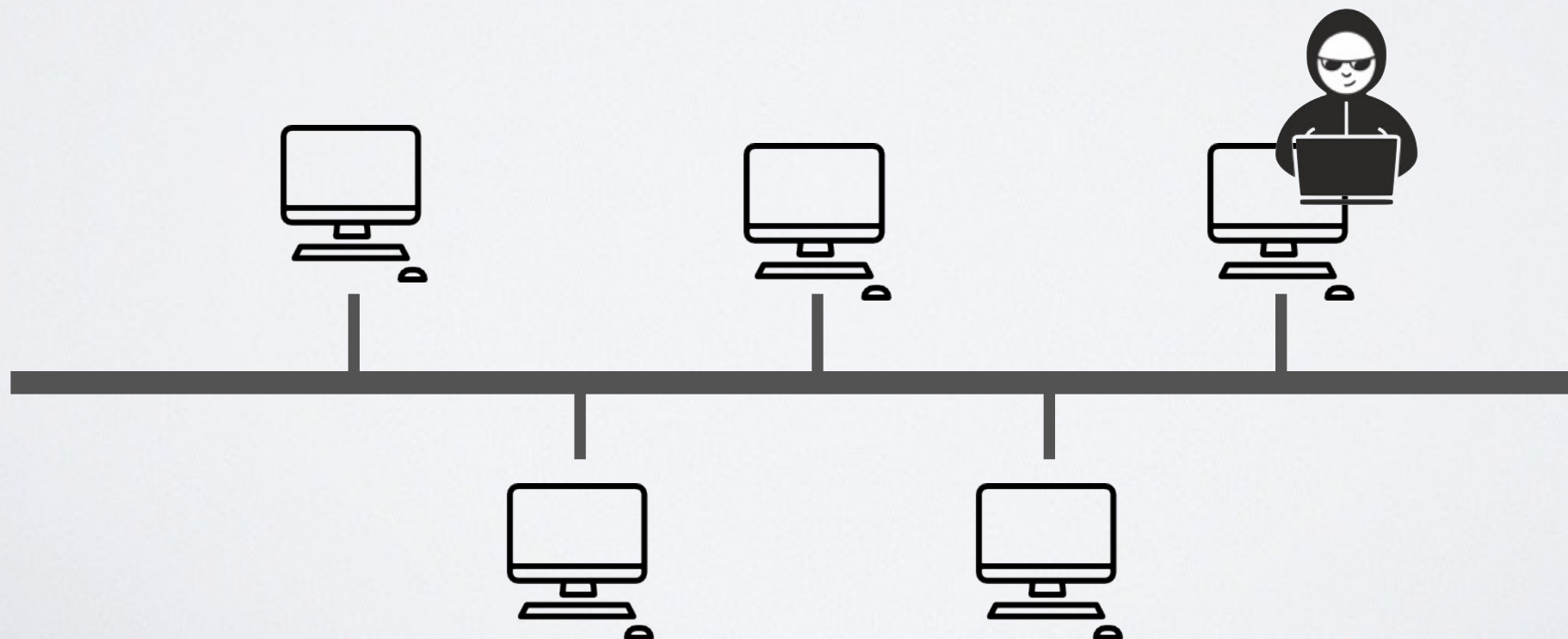


# Bus Link (a.k.a LAN - Local Area Network)

Several hosts are connected to the same medium with a unique physical address called

e.g. Ethernet and WiFi uses MAC  
Media Access Control addresses

- ➔ Easier for the attacker to intercept messages since they are all broadcasted to the same medium



▼ Ethernet II, Src: VMware\_30:da:bf (00:0c:29:30:da:bf), Dst: VMware\_c0:00:08 (00:50:56:c0:00:08)

▼ Destination: VMware\_c0:00:08 (00:50:56:c0:00:08)

Address: VMware\_c0:00:08 (00:50:56:c0:00:08)

....0. .... = LG bit: Globally unique address (factory default)

....0. .... = IG bit: Individual address (unicast)

▼ Source: VMware\_30:da:bf (00:0c:29:30:da:bf)

Address: VMware\_30:da:bf (00:0c:29:30:da:bf)

....0. .... = LG bit: Globally unique address (factory default)

....0. .... = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 102.160.22.120, Dst: 102.160.22.1

0000 00 50 56 c0 00 08 00 0c 29 30 da bf 08 00 45 08 .PV... )0...E.

Source Hardware Address (eth.src), 6 bytes

Packets: 32 · Displayed: 32 (100.0%) · Dropped: 0

```
student@d27-vm:~/labs-review/packet-sniffing-starter$ cat /sys/class/net/ens33/address
00:0c:29:30:da:bf
```