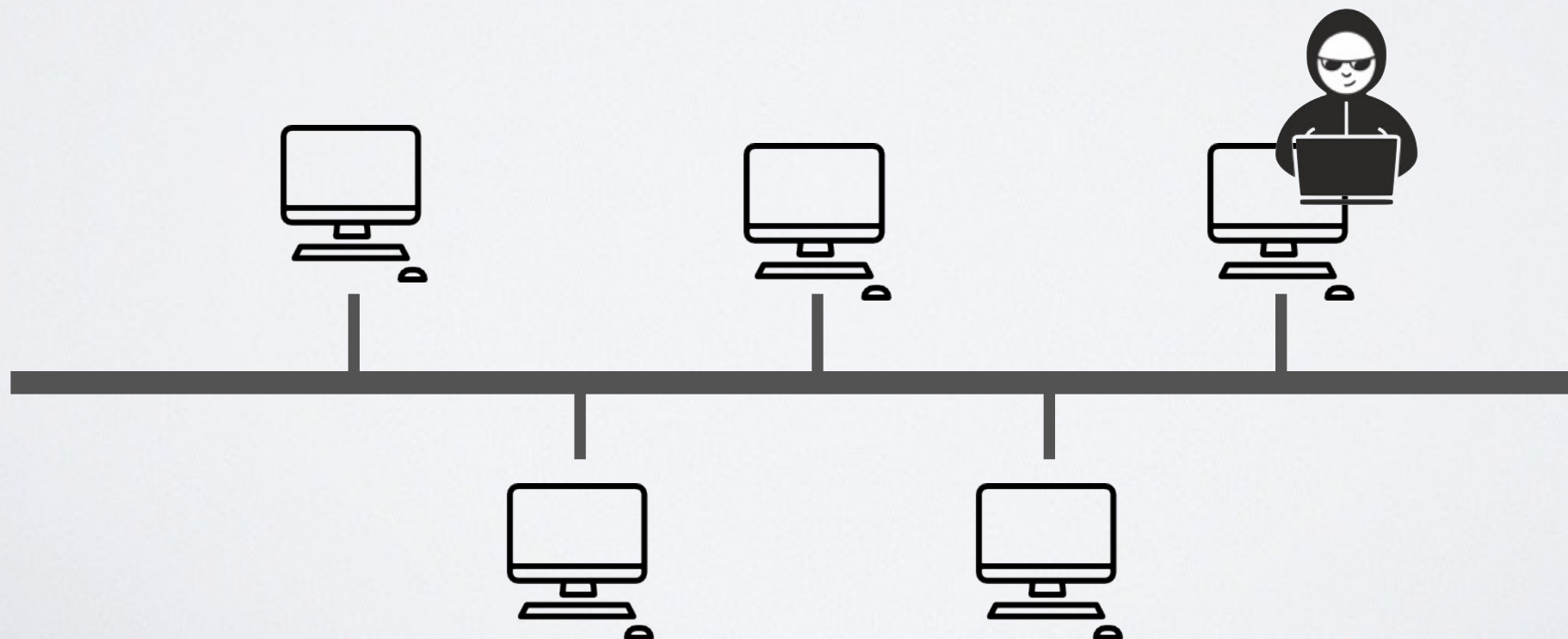


# Bus Link (a.k.a LAN - Local Area Network)

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





# Packet Sniffing over Ethernet or WiFi

- All messages are transmitted on the medium with the MAC address of the recipient
  - Each network interface only picks messages that correspond to its MAC address
- ➔ An attacker can set its network interface in ***promiscuous mode*** to capture (sniff) all traffic  
e.g. Wireshark