

Bettercap Workshop

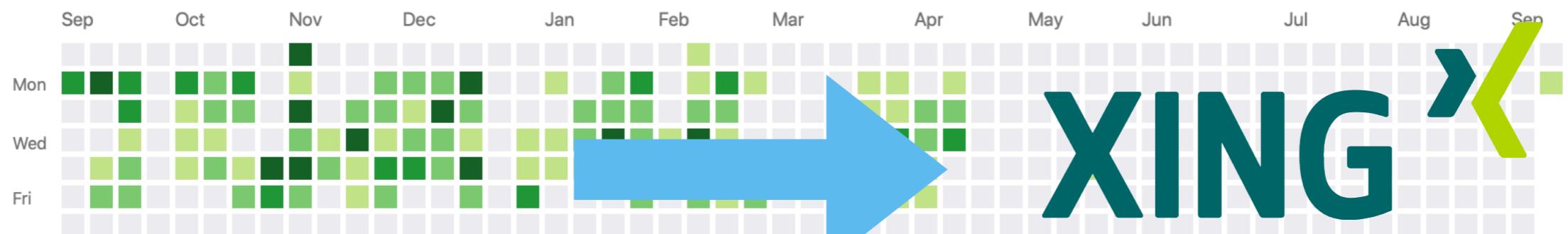


Who am I?



941 contributions in the last year

Contribution settings ▾

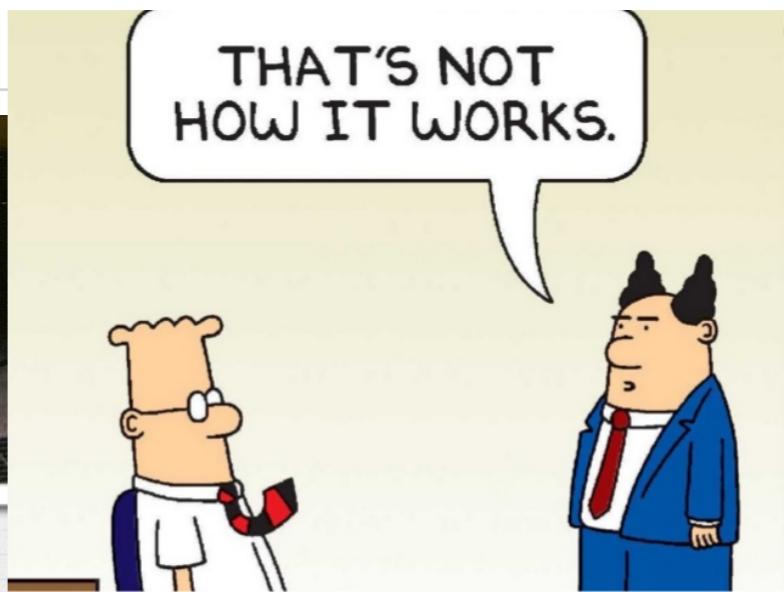


Learn how we count contributions.

XING

THAT'S NOT
HOW IT WORKS.

More



Who are you?

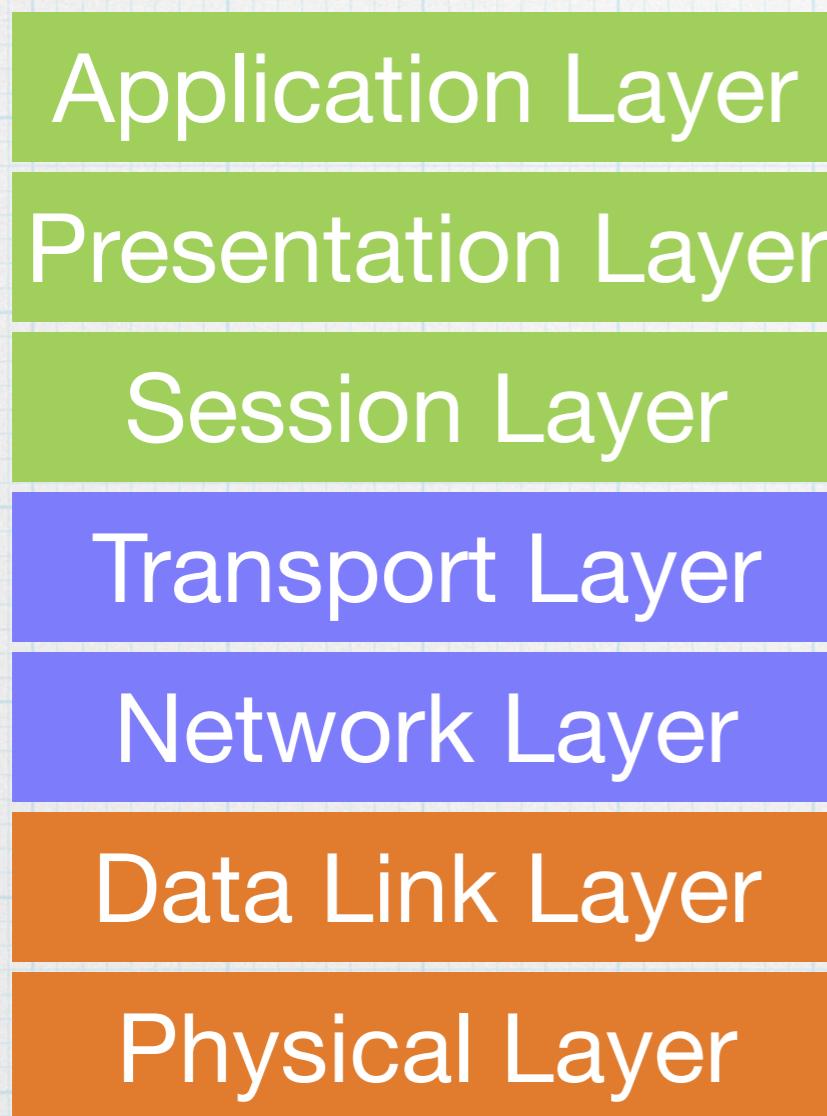
- Why are you here?
- Why are you in this workshop?

Bettercap

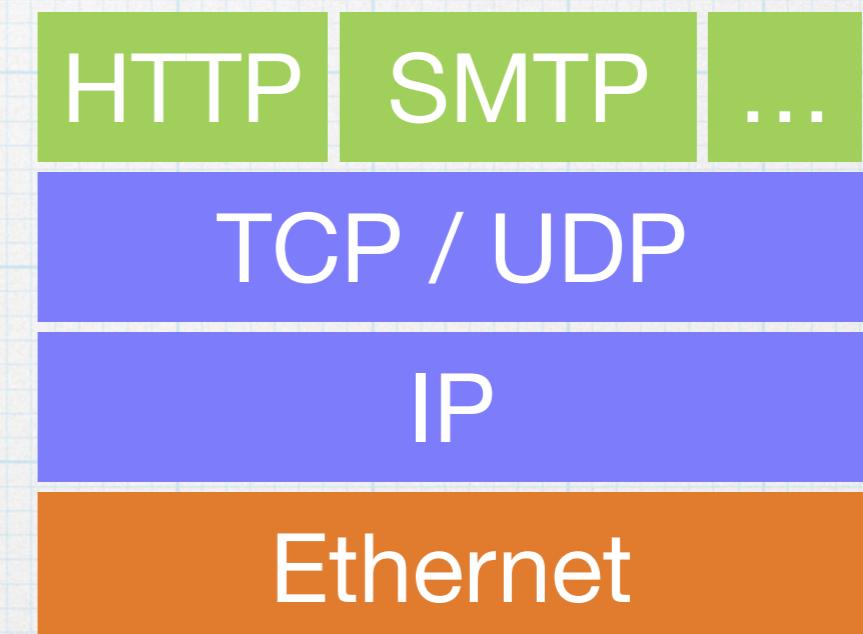
- MITM attack framework
- Original idea: Ettercap from 2001
- Current version re-implemented 2018 in Go (after first version in Ruby)
- Ethernet, 802.11, BLE, HID hijacking...
- Simone Margaritelli
- @evilsocket

Theory Recap

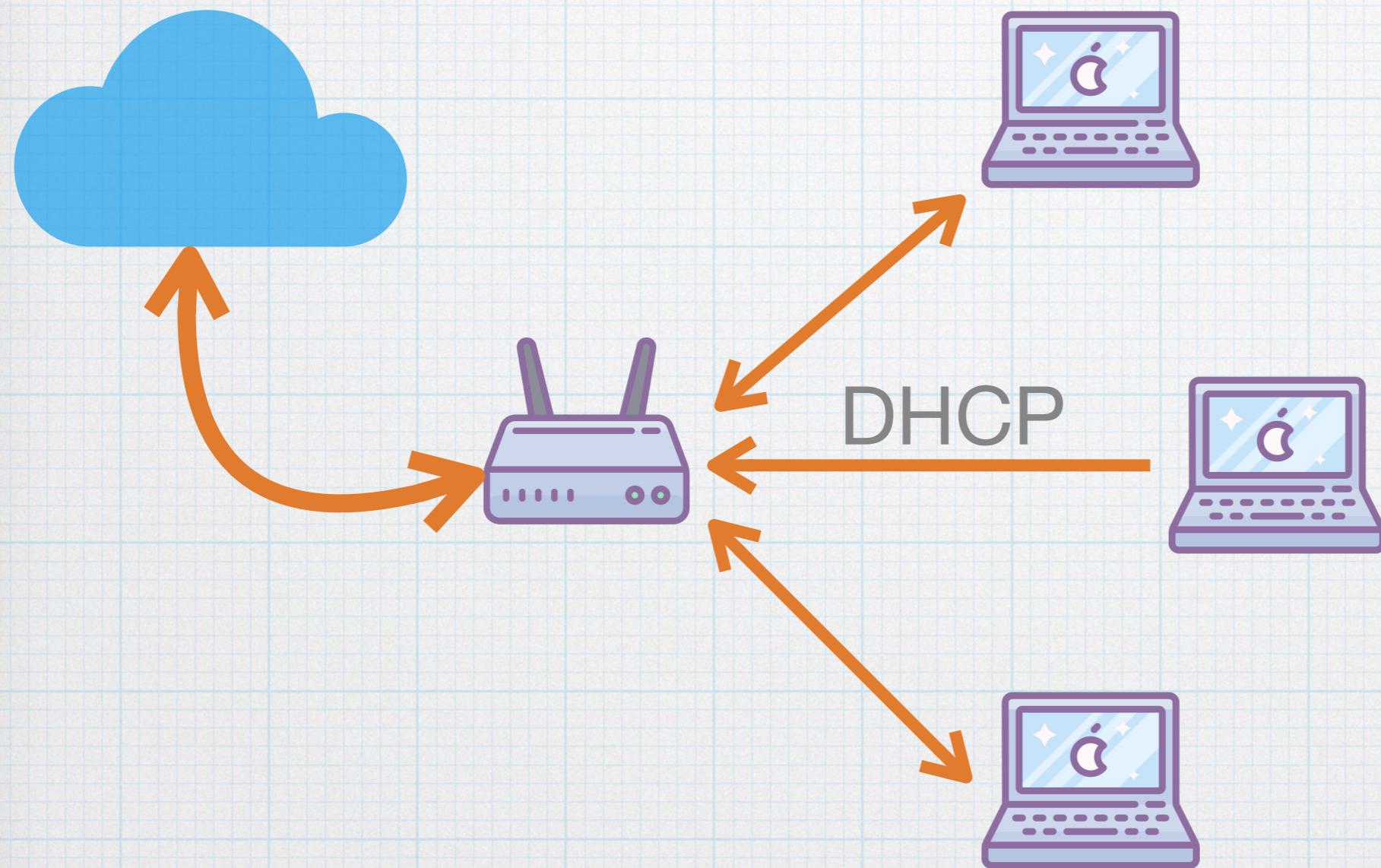
OSI/ISO



Ethernet



Ethernet Networks



- No IP address
- No DNS
- No default route

MAC address

OSI/ISO

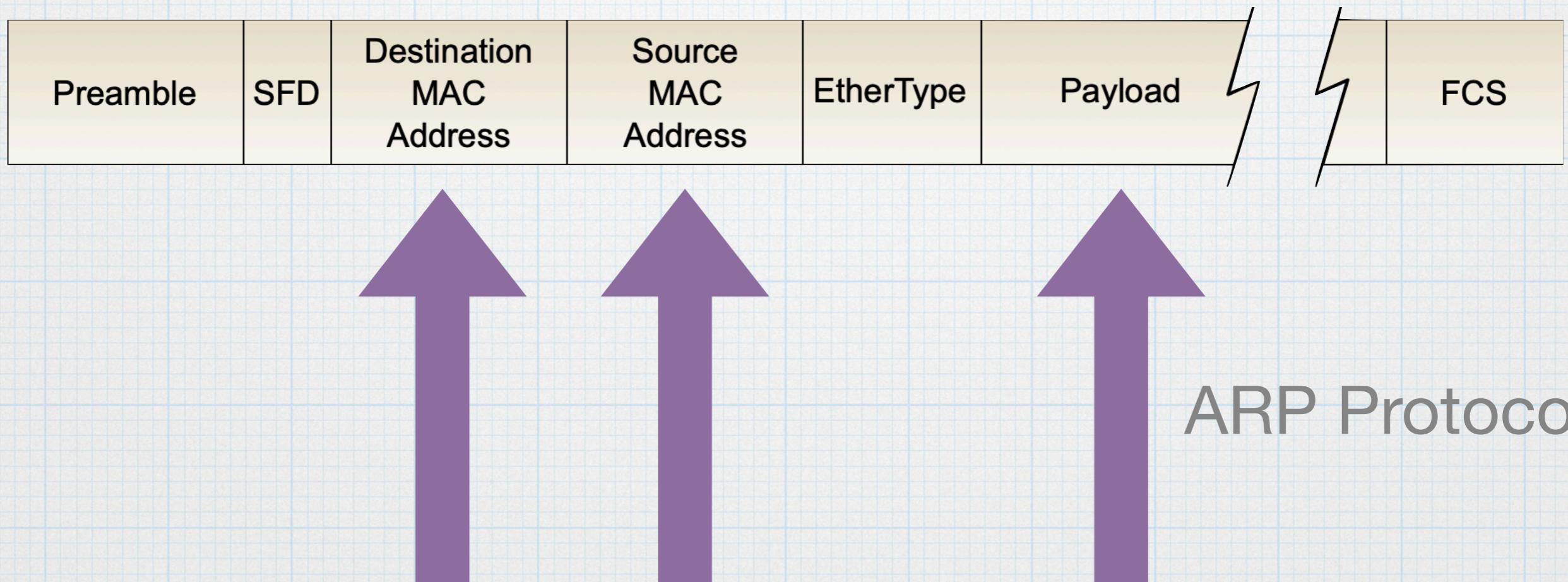
```
Christophs-MacBook-Pro:~ ceicke$ ifconfig en0
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
      ether f4:5c:89:b4:10:23
      inet6 fe80::1c1b:1cda:b51a:5085%en0 prefixlen 64 secured scopeid 0x5
      inet 192.168.0.124 netmask 0xffffffff broadcast 192.168.0.255
      inet6 2a04:4540:6b05:9f01:8dc:524:dcba:2c70 prefixlen 64 autoconf secured
      inet6 2a04:4540:6b05:9f01:c0d:88e:d9f6:1e77 prefixlen 64 autoconf temporary
      nd6 options=201<PERFORMNUD,DAD>
      media: autoselect
      status: active
```

Data Link Layer

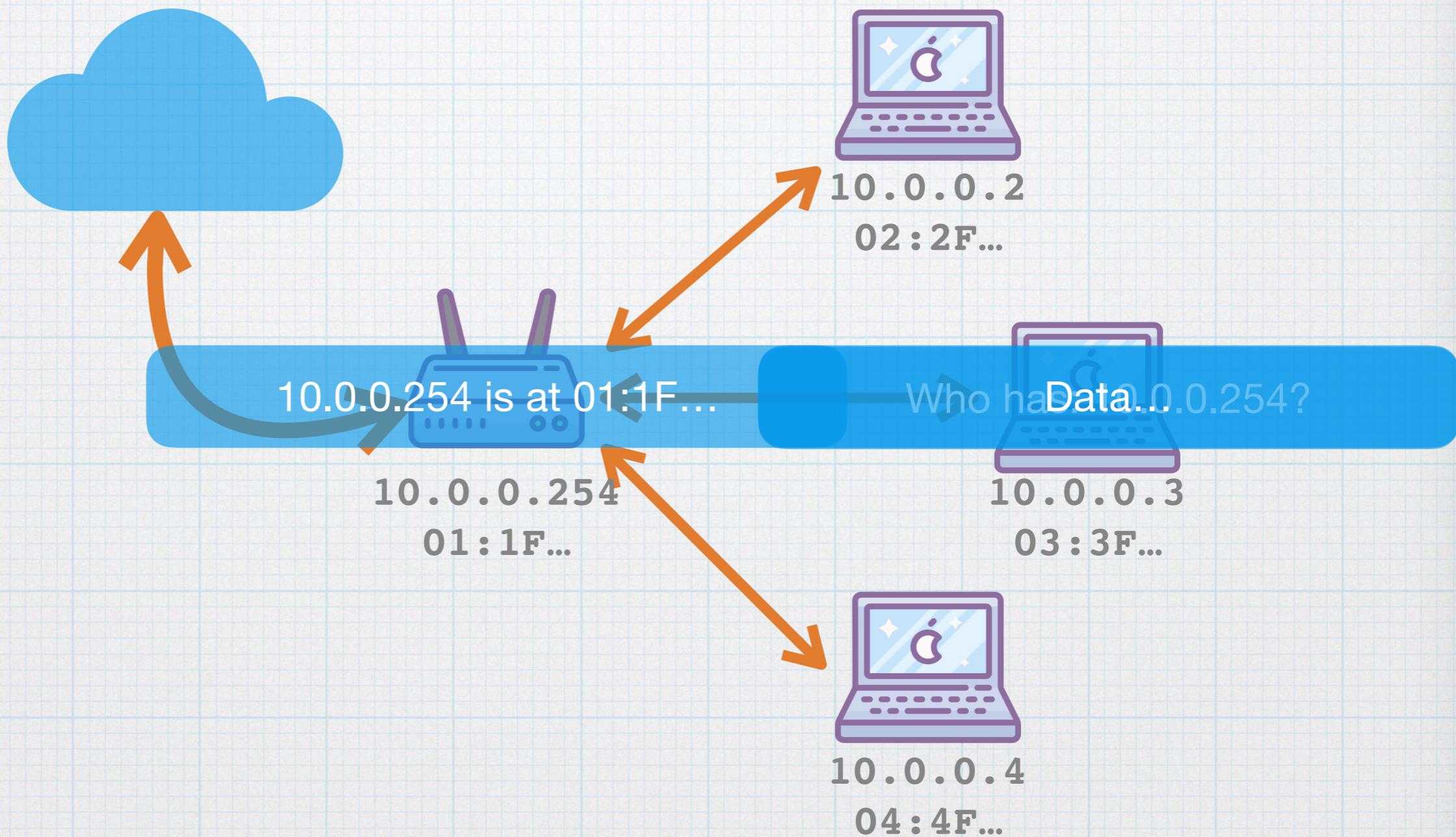
Physical Layer



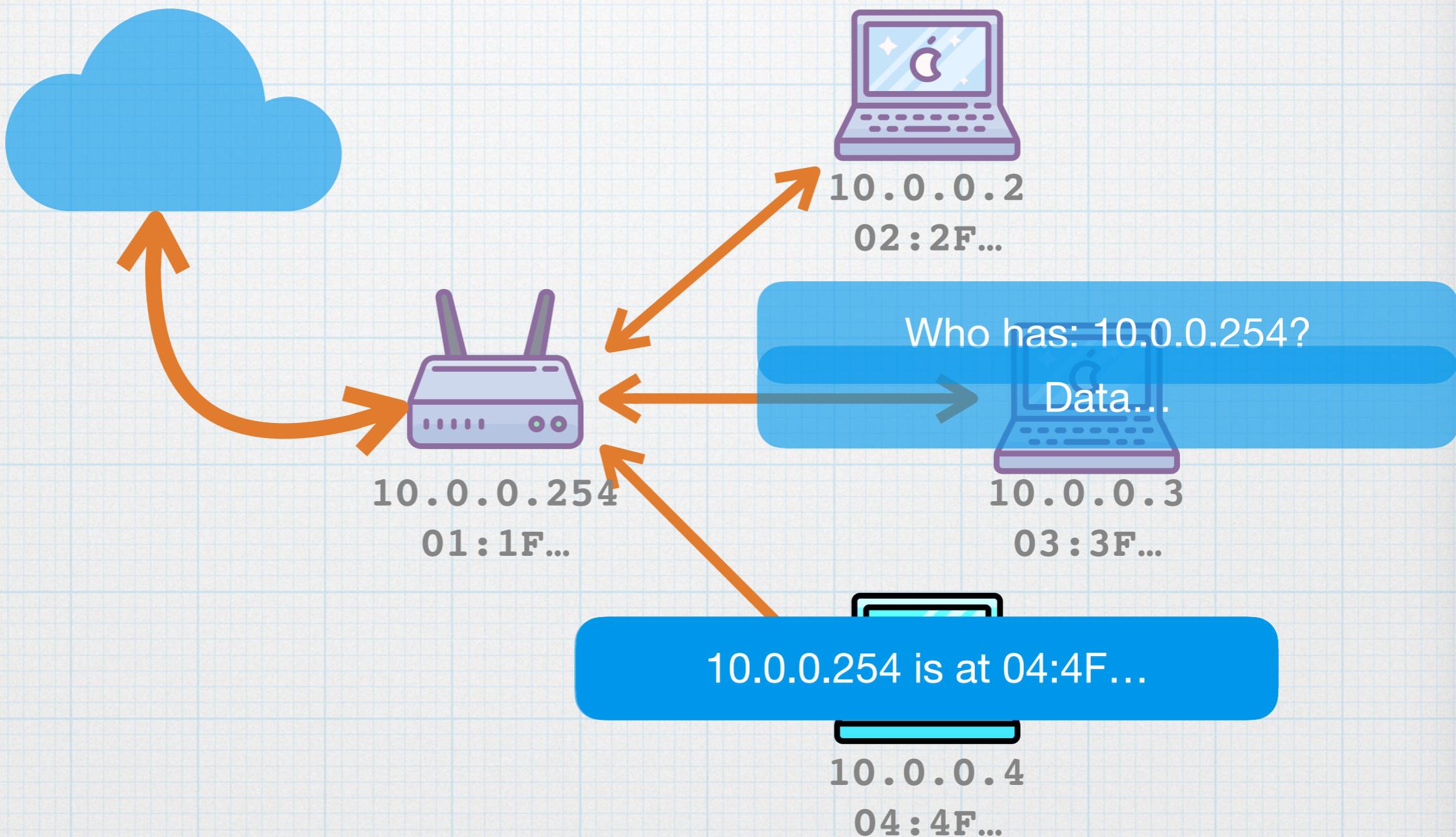
IEEE 802.3 (Ethernet)



ARP (Address Resolution Protocol)



ARP Spoofing



Installation

- Go >= 1.8
- libpcap-dev
- libnetfilter-queue-dev

Installation

```
$ sudo apt-get install libpcap-dev libnetfilter-queue-dev  
$ go get github.com/bettercap/bettercap  
$ sudo bettercap
```

Basic Usage

```
>> help
```

```
>> help arp.spoof
```

```
>> arp.spoof on
```

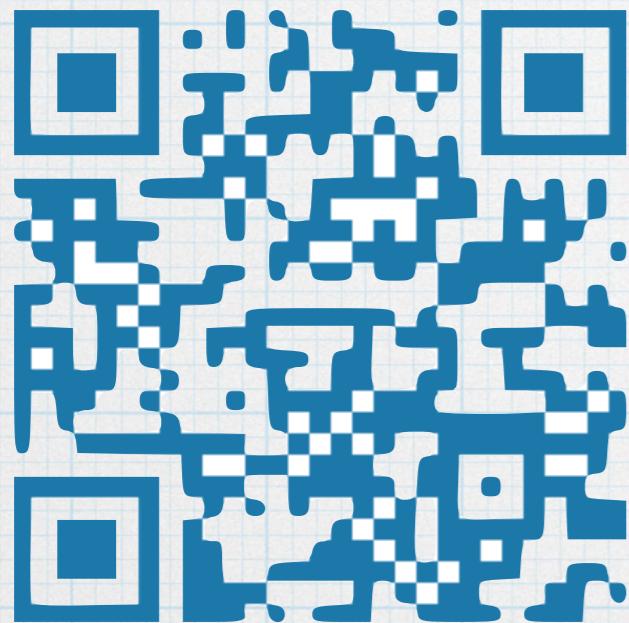
```
>> arp.spoof off
```

```
>> get arp.spoof.internal
```

```
>> set arp.spoof.internal true
```

Demo

Thanks!



[https://github.com/ceicke/
bettercap-elbsides](https://github.com/ceicke/bettercap-elbsides)

@zeitgeist_y2k