LAB 1 - Aula

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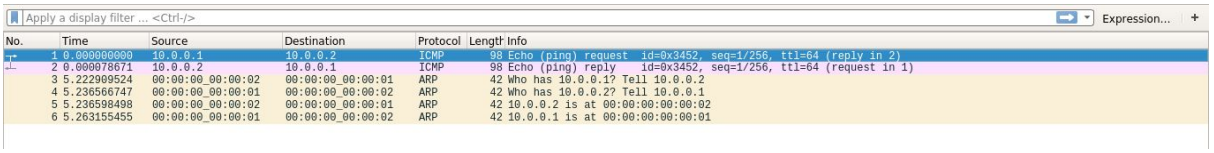
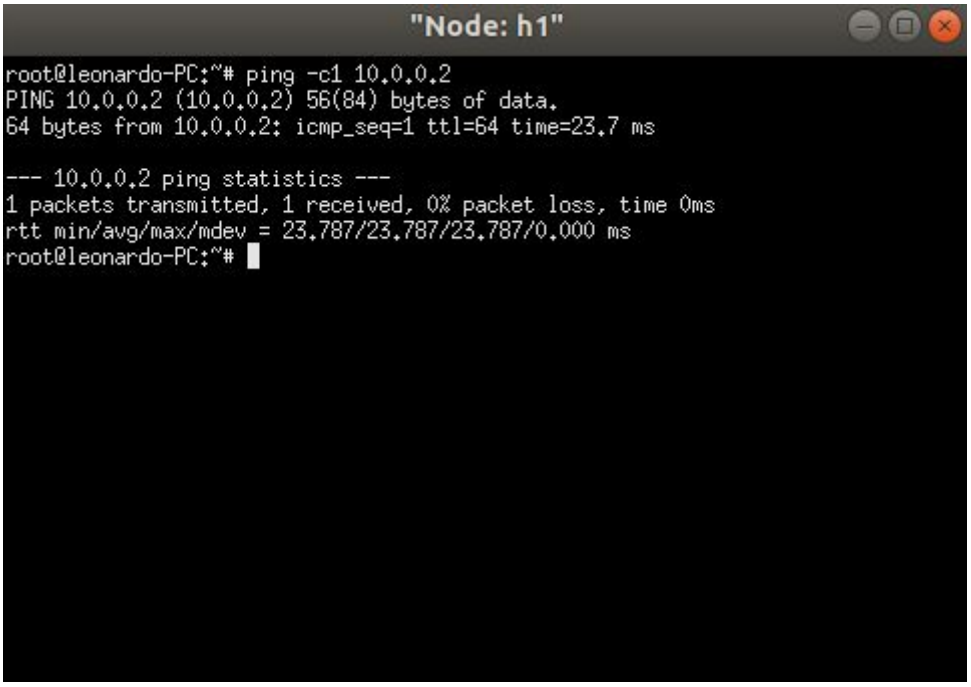
1. Para a captura de pacotes em H2:
a) anexe a captura (arquivo .pcap) na entrega da tarefa



b) descreva brevemente o tráfego capturado (#pacotes, tipo de pacotes, etc.)

O host H1 enviar um ping para H2, usando o protocolo ICMP com tamanho de pacote 98. Logo abaixo, é possível ver o switch perguntando aos hosts quais são os endereços macs associados aos endereços de IP.

2. Copie a saída do ping entre h1 e h2.



3. Preencha as informações de cada nó e informe os comandos usados:

H1

Endereço IP: **10.0.0.1**
Endereço MAC: **00:00:00:00:00:01**
Tabela de roteamento IP:

```
root@leonardo-PC:~# ip route
10.0.0.0/8 dev h1-eth0 proto kernel scope link src 10.0.0.1
root@leonardo-PC:~#
```

Tabela ARP:

```
root@leonardo-PC:~# arp
Endereço                 TipoHW  EndereçoHW          Flags Mascara         Iface
10.0.0.2                 ether   00:00:00:00:00:02   C                     h1-et
h0
root@leonardo-PC:~#                                                              poHW
```

H2

Endereço IP: **10.0.0.2**
Endereço MAC: **00:00:00:00:00:02**
Tabela de roteamento IP:

```
root@leonardo-PC:~# ip route
10.0.0.0/8 dev h2-eth0 proto kernel scope link src 10.0.0.2
root@leonardo-PC:~#
```

Tabela ARP:

```
root@leonardo-PC:~# arp
Endereço                 TipoHW  EndereçoHW          Flags Mascara         Iface
10.0.0.1                 ether   00:00:00:00:00:01   C                     h2-et
h0
root@leonardo-PC:~#
```

S1

Endereço IP(interfaces):

```
s1-eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet6 fe80::4cf1:66ff:fea3:61d5  prefixlen 64  scopeid 0x20<link>
        ether 4e:f1:66:a3:61:d5  txqueuelen 1000  (Ethernet)
        RX packets 29  bytes 2102 (2.1 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 89  bytes 9476 (9.4 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

s1-eth2: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet6 fe80::6c1f:43ff:fed4:68fc  prefixlen 64  scopeid 0x20<link>
        ether 6e:1f:43:d4:68:fc  txqueuelen 1000  (Ethernet)
        RX packets 29  bytes 2102 (2.1 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 89  bytes 9476 (9.4 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

Endereço MAC:

```
enp0s31f6: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        ether 64:1c:67:90:5b:76  txqueuelen 1000  (Ethernet)
        RX packets 289083  bytes 371788574 (371.7 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 64854  bytes 13154438 (13.1 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0xec100000-ec120000
```

Número após **ether.**
Tabela de roteamento IP:
Tabela ARP: