ISPTEC
Instituto Superior Politécnico de Tecnologias e Ciências

INSTITUTO SUPERIOR POLITÉCNICO DE TECNOLOGIAS E CIÊNCIAS
DEPARTAMENTO DE ENGENHARIAS E TECNOLOGIAS
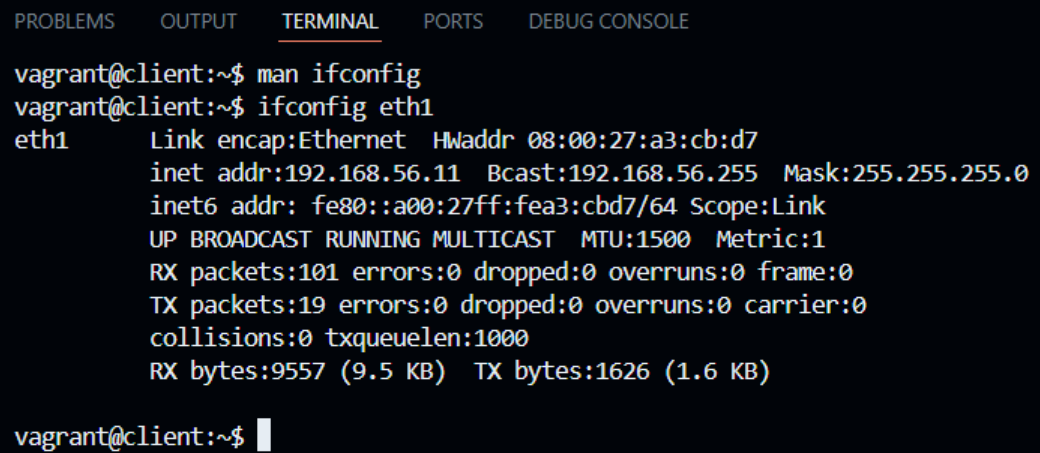**CURSO DE ENGENHARIA INFORMÁTICA**

REDES DE COMPUTADORES 1

Memorando

LAB 4 Ferramentas de Rede, E-mail (SMTP, POP3)

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1. **Captura de tela do comando ifconfig com informações sobre a interface ethernet com o endereçamento privado, na máquina cliente.**

```
PROBLEMS    OUTPUT    TERMINAL    PORTS    DEBUG CONSOLE

vagrant@client:~$ man ifconfig
vagrant@client:~$ ifconfig eth1
eth1      Link encap:Ethernet  HWaddr 08:00:27:a3:cb:d7
          inet addr:192.168.56.11  Bcast:192.168.56.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fea3:cbd7/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:101 errors:0 dropped:0 overruns:0 frame:0
          TX packets:19 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:9557 (9.5 KB)  TX bytes:1626 (1.6 KB)

vagrant@client:~$ 
```

2. Captura de tela dos resultados do segundo comando nmap

```
vagrant@client:~$ nmap -sP 192.168.1.0/24

Starting Nmap 6.40 ( http://nmap.org ) at 2024-11-23 11:41 UTC
Nmap done: 256 IP addresses (0 hosts up) scanned in 104.28 seconds
```

```
vagrant@client:~$ nmap -v scanme.nmap.org

Starting Nmap 6.40 ( http://nmap.org ) at 2024-11-23 11:43 UTC
Initiating Ping Scan at 11:43
Scanning scanme.nmap.org (45.33.32.156) [2 ports]
Completed Ping Scan at 11:43, 4.72s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 11:43
Completed Parallel DNS resolution of 1 host. at 11:43, 4.98s elapsed
Initiating Connect Scan at 11:43
Scanning scanme.nmap.org (45.33.32.156) [1000 ports]
Discovered open port 80/tcp on 45.33.32.156
Discovered open port 22/tcp on 45.33.32.156
Discovered open port 9929/tcp on 45.33.32.156
Discovered open port 31337/tcp on 45.33.32.156
Completed Connect Scan at 11:44, 29.10s elapsed (1000 total ports)
Nmap scan report for scanme.nmap.org (45.33.32.156)
Host is up (0.49s latency).
Not shown: 996 filtered ports
PORT      STATE SERVICE
22/tcp    open  ssh
80/tcp    open  http
9929/tcp  open  nping-echo
31337/tcp open  Elite

Read data files from: /usr/bin/../share/nmap
Nmap done: 1 IP address (1 host up) scanned in 39.16 seconds
vagrant@client:~$ 
```

3. **Copie da janela Terminal o texto resultante da interação com o servidor SMTP, para enviar.**

```
vagrant@client:~$ telnet smtp.mailtrap.io 2525
m.
Escape character is '^]'.
220 smtp.mailtrap.io ESMTP ready
EHLO smtp.mailtrap.io
250-smtp.mailtrap.io
250-SIZE 5242880
250-PIPELINING
250-ENHANCEDSTATUSCODES
250-8BITMIME
250-DSN
250-AUTH PLAIN LOGIN CRAM-MD5
250 STARTTLS
Connection closed by foreign host.
vagrant@client:~$ telnet smtp.mailtrap.io 2525
Trying 18.215.44.90...
Connected to mailsend-smtp-classic-f3a4534c019a3e96.elb.us-
east-1.amazonaws.com.
Escape character is '^]'.
220 smtp.mailtrap.io ESMTP ready
AUTH LOGIN
334 VXNlcm5hbWU6
ZTM5OTNkZDg1ZWVhNDU=
334 UGFzc3dvcmQ6
MDU1ODgxNTAxOTQ4YWY=
235 2.0.0 OK
MAIL FROM: <from@smtp.mailtrap.io>
250 2.1.0 Ok
RCPT TO: <to@smtp.mailtrap.io>
250 2.1.0 Ok
DATA
354 Go ahead
To: to@smtp.mailtrap.io
From: from@smtp.mailtrap.io
Subject: Hello world!
This is the test message...
.
250 2.0.0 Ok: queued
quit
221 2.0.0 Bye
Connection closed by foreign host.
```