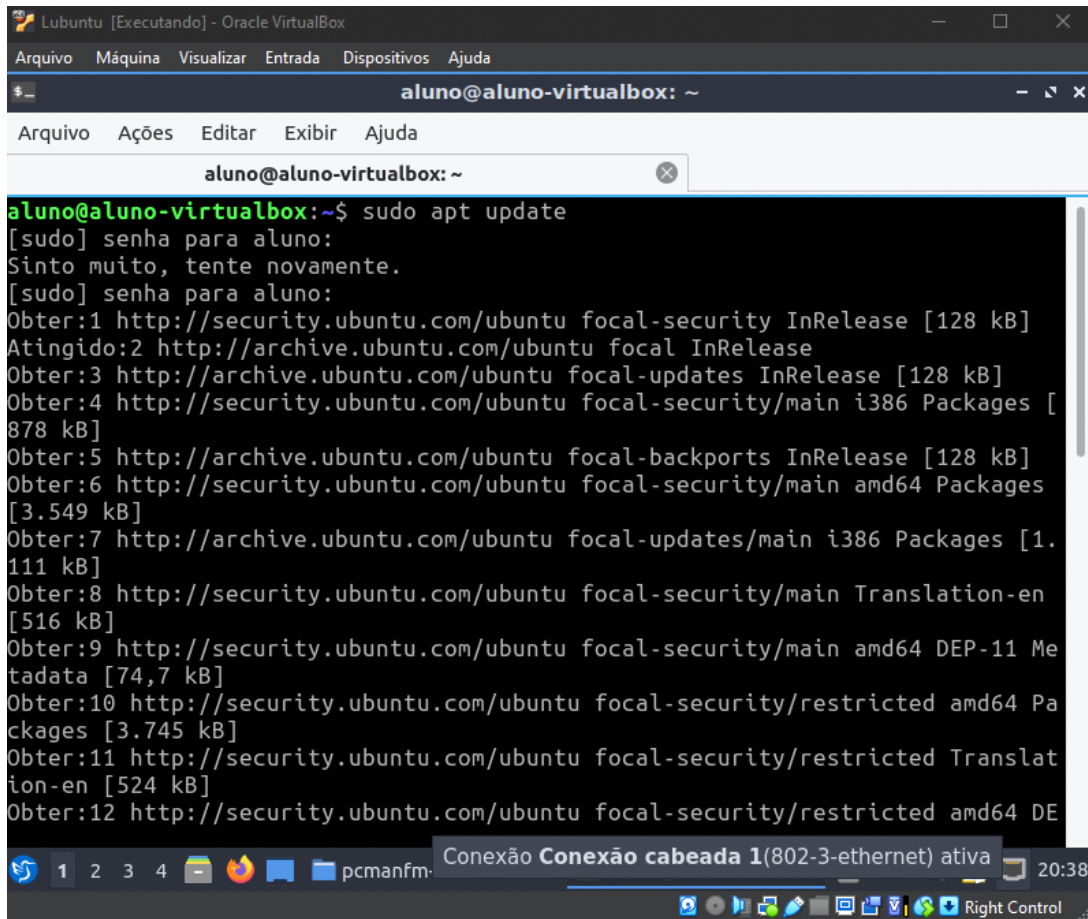


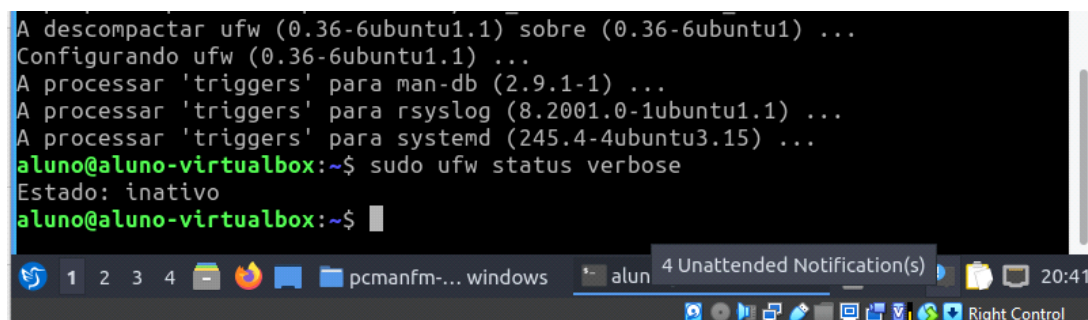
Instalando UFW na VM Linux



The image shows a terminal window titled 'aluno@aluno-virtualbox: ~' within an Oracle VM VirtualBox environment. The terminal displays the command 'sudo apt update' and its output, which lists various Ubuntu repositories and their package sizes. The output includes information about focal-security, focal-updates, focal-backports, and focal-security/main repositories for i386 and amd64 architectures. The terminal window has a menu bar with 'Arquivo', 'Ações', 'Editar', 'Exibir', and 'Ajuda'. The status bar at the bottom shows 'Conexão Cabeada 1(802-3-ethernet) ativa' and the time '20:38'.

```
aluno@aluno-virtualbox:~$ sudo apt update
[sudo] senha para aluno:
Sinto muito, tente novamente.
[sudo] senha para aluno:
Obter:1 http://security.ubuntu.com/ubuntu focal-security InRelease [128 kB]
Atingido:2 http://archive.ubuntu.com/ubuntu focal InRelease
Obter:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease [128 kB]
Obter:4 http://security.ubuntu.com/ubuntu focal-security/main i386 Packages [878 kB]
Obter:5 http://archive.ubuntu.com/ubuntu focal-backports InRelease [128 kB]
Obter:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [3.549 kB]
Obter:7 http://archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [1.111 kB]
Obter:8 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [516 kB]
Obter:9 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [74,7 kB]
Obter:10 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [3.745 kB]
Obter:11 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [524 kB]
Obter:12 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 DE
```

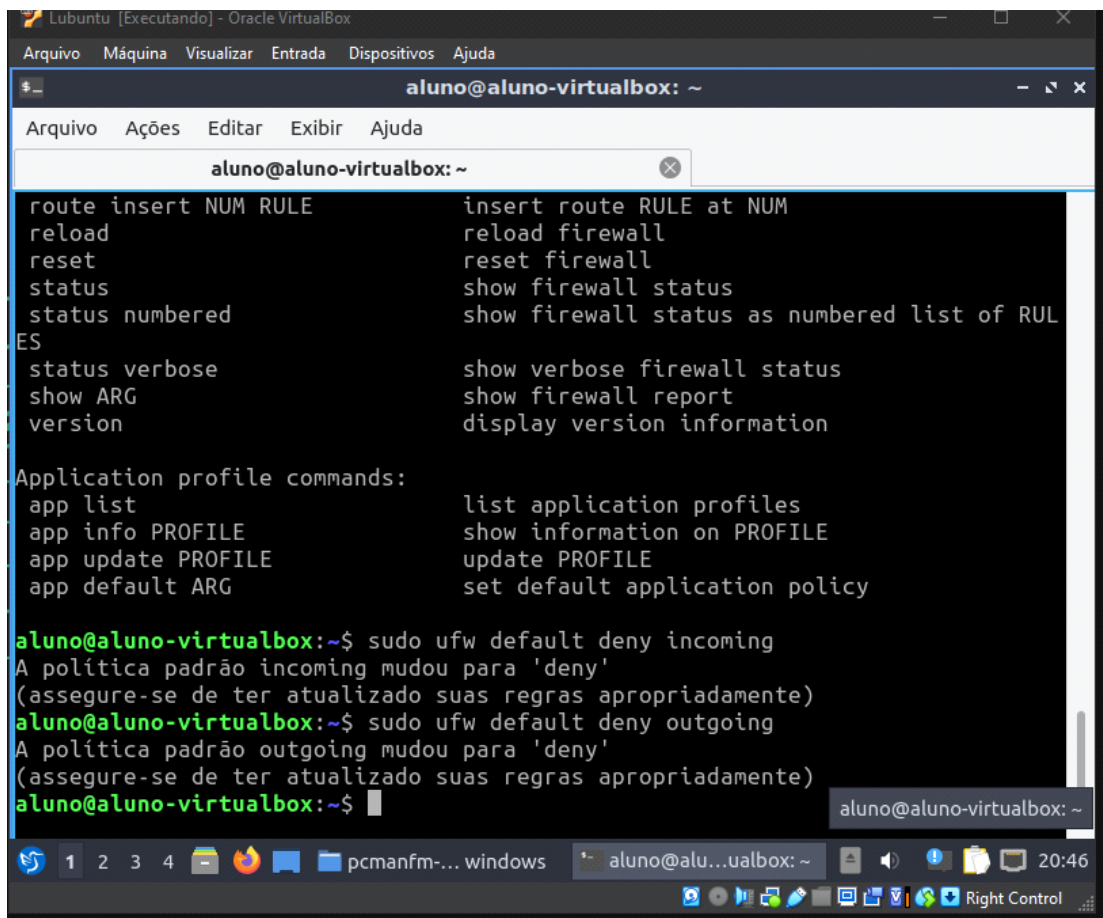
Configurando e ativando o UFW



The image shows a terminal window titled 'aluno@aluno-virtualbox: ~' within an Oracle VM VirtualBox environment. The terminal displays the output of the 'sudo ufw status verbose' command, which shows the status of the UFW firewall. The output indicates that UFW is currently inactive and lists the installed rules for 'man-db', 'rsyslog', and 'systemd'. The terminal window has a menu bar with 'Arquivo', 'Ações', 'Editar', 'Exibir', and 'Ajuda'. The status bar at the bottom shows '4 Unattended Notification(s)' and the time '20:41'.

```
aluno@aluno-virtualbox:~$ sudo ufw status verbose
Estado: inativo
```

Definindo políticas padrão



The screenshot shows a terminal window titled 'aluno@aluno-virtualbox: ~' within an Oracle VM VirtualBox environment. The terminal displays the following commands and outputs:

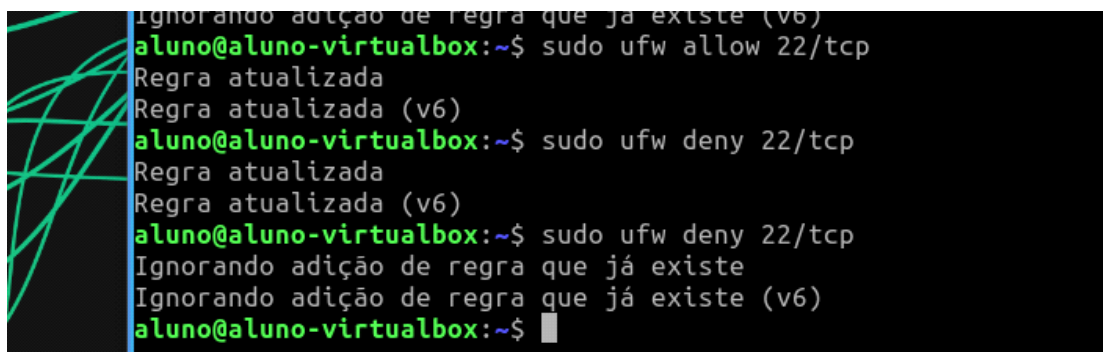
```
route insert NUM RULE      insert route RULE at NUM
reload                     reload firewall
reset                     reset firewall
status                    show firewall status
status numbered            show firewall status as numbered list of RUL
ES
status verbose            show verbose firewall status
show ARG                  show firewall report
version                   display version information

Application profile commands:
app list                  list application profiles
app info PROFILE          show information on PROFILE
app update PROFILE        update PROFILE
app default ARG           set default application policy

aluno@aluno-virtualbox:~$ sudo ufw default deny incoming
A política padrão incoming mudou para 'deny'
(assegure-se de ter atualizado suas regras apropriadamente)
aluno@aluno-virtualbox:~$ sudo ufw default deny outgoing
A política padrão outgoing mudou para 'deny'
(assegure-se de ter atualizado suas regras apropriadamente)
aluno@aluno-virtualbox:~$
```

The terminal window has a menu bar with 'Arquivo', 'Máquina', 'Visualizar', 'Entrada', 'Dispositivos', and 'Ajuda'. The bottom status bar shows the time as 20:46 and includes icons for network, volume, and other system functions.

Testes de bloqueio e liberação



The screenshot shows a terminal window with the following commands and outputs:

```
aluno@aluno-virtualbox:~$ sudo ufw allow 22/tcp
Regra atualizada
Regra atualizada (v6)
aluno@aluno-virtualbox:~$ sudo ufw deny 22/tcp
Regra atualizada
Regra atualizada (v6)
aluno@aluno-virtualbox:~$ sudo ufw deny 22/tcp
Ignorando adição de regra que já existe
Ignorando adição de regra que já existe (v6)
aluno@aluno-virtualbox:~$
```

The terminal window has a menu bar with 'Arquivo', 'Máquina', 'Visualizar', 'Entrada', 'Dispositivos', and 'Ajuda'. The bottom status bar shows the time as 20:46 and includes icons for network, volume, and other system functions.

```
PS C:\Users\Alunos> ssh aluno@aluno192.168.56.103
ssh: Could not resolve hostname aluno192.168.56.103: Este host n\343o \351 conhecido.
PS C:\Users\Alunos> ssh aluno@192.168.56.103
ssh: connect to host 192.168.56.103 port 22: Connection timed out
PS C:\Users\Alunos>
```

```
Regras atualizadas (v6)
aluno@aluno-virtualbox:~$ sudo ufw allow 22/tcp
Ignorando adiç o de regra que j  existe
Ignorando adiç o de regra que j  existe (v6)
aluno@aluno-virtualbox:~$ sudo ufw enable
Firewall est  ativo e habilitado na inicializa  o do sistema
aluno@aluno-virtualbox:~$
```

```
aluno@aluno-virtualbox: ~
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos os direitos reservados.

Experimente a nova plataforma cruzada PowerShell https://aka.ms/pscore6

PS C:\Users\Alunos> ssh aluno@192.168.56.103
ssh: connect to host 192.168.56.103 port 22: Connection timed out
PS C:\Users\Alunos> ssh aluno@192.168.56.103
aluno@192.168.56.103's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.13.0-30-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

490 updates can be applied immediately.
408 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Thu May 15 21:16:15 2025 from 192.168.56.103
aluno@aluno-virtualbox: $
```