

## ATIVIDADE 08 – UFW

### 1. Ativando e status do UFW

```
adriel@adriel-virtualbox:~$ sudo ufw enable
Firewall está ativo e habilitado na inicialização do sistema
adriel@adriel-virtualbox:~$ sudo ufw status
Estado: ativo
adriel@adriel-virtualbox:~$
```

### 2. Permissão de acesso via SSH

```
adriel@adriel-virtualbox:~$ sudo ufw status
Estado: ativo
adriel@adriel-virtualbox:~$ sudo ufw allow ssh
Regra adicionada
Regra adicionada (v6)
adriel@adriel-virtualbox:~$
```

### 3. Conexão via SSH

```
adriel@adriel-virtualbox: ~
Microsoft Windows [versão 10.0.19045.2846]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\Shift-PC>ssh adriel@192.168.100.41
The authenticity of host '192.168.100.41 (192.168.100.41)' can't be established.
ECDSA key fingerprint is SHA256:fhfGImG5Si6EBjK3ReqaG8f4KmlchoBYE6CixefU0aE.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.100.41' (ECDSA) to the list of known hosts.
adriel@192.168.100.41's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-38-generic x86_64)

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

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   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.

   https://ubuntu.com/pro

Manutenção de Segurança Expandida para Applications não está ativa.
0 as atualizações podem ser aplicadas imediatamente.
14 atualizações de segurança adicionais podem ser aplicadas com ESM Apps.
Saiba mais sobre como ativar o serviço ESM Apps at https://ubuntu.com/esm
```

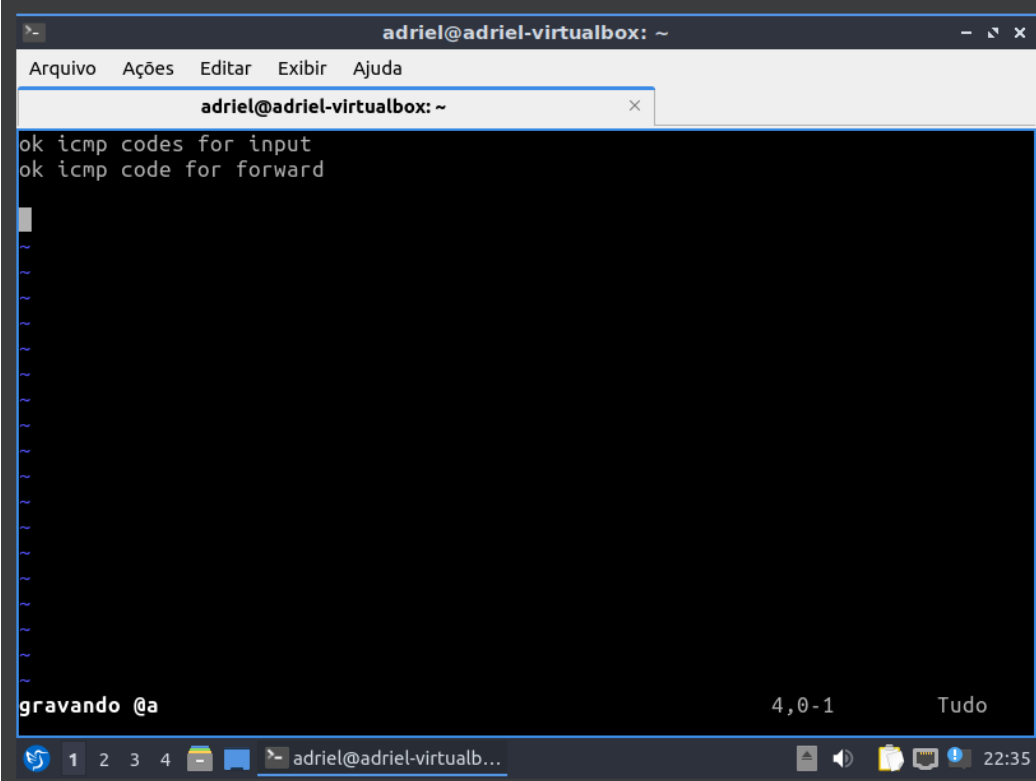
#### 4. Regra de bloqueio de acesso via SSH

```
adriel@adriel-virtualbox: ~  
0<global>  
    inet6 fe80::4a70:c952:40e:feb3 prefixlen 64 scopeid 0x20<link>  
    inet6 2804:1eb0:a0:2b7f:6390:b40f:74be:8610 prefixlen 64 scopeid 0x  
0<global>  
    ether 08:00:27:2c:a5:54 txqueuelen 1000 (Ethernet)  
    RX packets 84540 bytes 125655298 (125.6 MB)  
    RX errors 0 dropped 360 overruns 0 frame 0  
    TX packets 3808 bytes 286612 (286.6 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Loopback Local)  
    RX packets 147 bytes 13654 (13.6 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 147 bytes 13654 (13.6 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
adriel@adriel-virtualbox:~$ sudo ufw deny ssh  
Regra atualizada  
Regra atualizada (v6)  
adriel@adriel-virtualbox:~$  
  
C:\Windows\system32\cmd.exe  
Microsoft Windows [versão 10.0.19045.2846]  
(c) Microsoft Corporation. Todos os direitos reservados.  
  
C:\Users\Shift-PC>ssh adriel@192.168.100.41  
ssh: connect to host 192.168.100.41 port 22: Connection timed out
```

#### 5. TESTE PING USANDO O PROTOCOLO ICMP

```
adriel@adriel-virtualbox: ~  
Arquivo  Ações  Editar  Exibir  Ajuda  
adriel@adriel-virtualbox: ~  
0<global>  
    inet6 fe80::4a70:c952:40e:feb3 prefixlen 64 scopeid 0x20<link>  
    inet6 2804:1eb0:a0:2b7f:6390:b40f:74be:8610 prefixlen 64 scopeid 0x  
0<global>  
    ether 08:00:27:2c:a5:54 txqueuelen 1000 (Ethernet)  
    RX packets 84540 bytes 125655298 (125.6 MB)  
    RX errors 0 dropped 360 overruns 0 frame 0  
    TX packets 3808 bytes 286612 (286.6 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Loopback Local)  
    RX packets 147 bytes 13654 (13.6 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 147 bytes 13654 (13.6 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
adriel@adriel-virtualbox:~$ sudo ufw deny ssh  
Regra atualizada  
Regra atualizada (v6)  
adriel@adriel-virtualbox:~$  
  
C:\Windows\system32\cmd.exe  
Microsoft Windows [versão 10.0.19045.2846]  
(c) Microsoft Corporation. Todos os direitos reservados.  
  
C:\Users\Shift-PC>ssh adriel@192.168.100.41  
ssh: connect to host 192.168.100.41 port 22: Connection timed out  
  
C:\Users\Shift-PC>  
C:\Users\Shift-PC>  
C:\Users\Shift-PC>ping 192.168.100.41  
  
Disparando 192.168.100.41 com 32 bytes de dados:  
Resposta de 192.168.100.41: bytes=32 tempo<1ms TTL=64  
Resposta de 192.168.100.41: bytes=32 tempo<1ms TTL=64  
Resposta de 192.168.100.41: bytes=32 tempo<1ms TTL=64  
Resposta de 192.168.100.41: bytes=32 tempo<1ms TTL=64  
  
Estatísticas do Ping para 192.168.100.41:  
Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de perda),  
Aproximar um número redondo de vezes em milissegundos:  
Mínimo = 0ms, Máximo = 0ms, Média = 0ms  
  
C:\Users\Shift-PC>
```

## 6. COMENTANDO NO ARQUIVO BEFORE.RULES



The screenshot shows a terminal window titled "adriel@adriel-virtualbox: ~". The window has a menu bar with "Arquivo", "Ações", "Editar", "Exibir", and "Ajuda". Below the menu bar is a tab labeled "adriel@adriel-virtualbox: ~". The terminal content shows the following commands and output:

```
ok icmp codes for input
ok icmp code for forward
```

Below the commands, there are several tilde (~) characters, likely representing a list of rules or a continuation of the configuration. At the bottom left of the terminal, it says "gravando @a". At the bottom right, it shows "4,0-1" and "Tudo". The terminal window is part of a desktop environment with a taskbar at the bottom showing icons for a web browser, a file manager, and a terminal window titled "adriel@adriel-virtualb...". The system clock in the bottom right corner shows "22:35".