

Instalando o ufw

```
asr241_victoria@LubuntuASR241:~$ sudo apt install ufw
[sudo] password for asr241_victoria:
Reading package lists... Done
Building dependency tree
Reading state information... Done
ufw is already the newest version (0.36-0ubuntu0.18.04.2).
ufw set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
```

Configurando o ufw

```
asr241_victoria@LubuntuASR241:~$ sudo ufw default deny incoming
[sudo] password for asr241_victoria:
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)
asr241_victoria@LubuntuASR241:~$ sudo ufw default allow outgoing
Default outgoing policy changed to 'allow'
(be sure to update your rules accordingly)
asr241_victoria@LubuntuASR241:~$
```

```
asr241_victoria@LubuntuASR241:~$ sudo ufw allow ssh
Rules updated
Rules updated (v6)
asr241_victoria@LubuntuASR241:~$ sudo ufw allow 22
Rules updated
Rules updated (v6)
asr241_victoria@LubuntuASR241:~$ sudo ufw allow 2222
Rules updated
Rules updated (v6)
asr241_victoria@LubuntuASR241:~$ sudo ufw enable
Firewall is active and enabled on system startup
asr241_victoria@LubuntuASR241:~$
```

```
asr241_victoria@LubuntuASR241:~$ sudo ufw allow http
Rule added
Rule added (v6)
asr241_victoria@LubuntuASR241:~$ sudo ufw allow https
Rule added
Rule added (v6)
```

```
asr241_victoria@LubuntuASR241:~$ sudo ufw allow 6000:6007/tcp
Rule added
Rule added (v6)
asr241_victoria@LubuntuASR241:~$ sudo ufw allow 6000:6007/udp
Rule added
Rule added (v6)
```

Habilitando o ufw

```
asr241_victoria@LubuntuASR241:~$ sudo ufw enable
Firewall is active and enabled on system startup
```

Pingando do windows

```
C:\Users\Alunos>ping 10.112.18.214

Disparando 10.112.18.214 com 32 bytes de dados:
Resposta de 10.112.18.214: bytes=32 tempo=1ms TTL=64
Resposta de 10.112.18.214: bytes=32 tempo<1ms TTL=64
Resposta de 10.112.18.214: bytes=32 tempo<1ms TTL=64
Resposta de 10.112.18.214: bytes=32 tempo=1ms TTL=64

Estatísticas do Ping para 10.112.18.214:
    Pacotes: Enviados = 4, Recebidos = 4, Perdidos = 0 (0% de
        perda),
Aproximar um número redondo de vezes em milissegundos:
    Mínimo = 0ms, Máximo = 1ms, Média = 0ms
```

Modificando o ICMP

```
# ok icmp codes for INPUT
-A ufw-before-input -p icmp --icmp-type destination-unreachable -j DROP
-A ufw-before-input -p icmp --icmp-type time-exceeded -j DROP
-A ufw-before-input -p icmp --icmp-type parameter-problem -j DROP
-A ufw-before-input -p icmp --icmp-type echo-request -j DROP
```

Recarregando o ufw

```
asr241_victoria@LubuntuASR241:~$ sudo ufw reload
Firewall reloaded
```

Tentando pingar do windows e todas falhando

```
C:\Users\Alunos>ping 10.112.18.214

Disparando 10.112.18.214 com 32 bytes de dados:
Esgotado o tempo limite do pedido.
Esgotado o tempo limite do pedido.
Esgotado o tempo limite do pedido.
Esgotado o tempo limite do pedido.

Estatísticas do Ping para 10.112.18.214:
    Pacotes: Enviados = 4, Recebidos = 0, Perdidos = 4 (100% de
        perda),
```