

Job9

Le pare feu ufw est très intuitif à utiliser. Sa configuration à nécessiter une seule commande.

```
sudo apt install ufw
sudo ufw allow 80
```

Le port 80 était désactiver à l'installation. Ce qui bloquait les échanges avec en protocole HTTP. Les liens dans votre sujet sont vraiment sous estimés. Pour désactiver les ping, il suffit d'aller dans votre documentation et de suivre les instructions.

Je vais commenter la ligne suivante

```
-A ufw-before-input -p icmp --icmp-type echo-request -j ACCEPT
```

```
GNU nano 5.4 /etc/ufw/before.rules
# quickly process packets for which we already have a connection
-A ufw-before-input -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT
-A ufw-before-output -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT
-A ufw-before-forward -m conntrack --ctstate RELATED,ESTABLISHED -j ACCEPT

# drop INVALID packets (logs these in loglevel medium and higher)
-A ufw-before-input -m conntrack --ctstate INVALID -j ufw-logging-deny
-A ufw-before-input -m conntrack --ctstate INVALID -j DROP

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

# ok icmp code for FORWARD
-A ufw-before-forward -p icmp --icmp-type destination-unreachable -j ACCEPT
-A ufw-before-forward -p icmp --icmp-type time-exceeded -j ACCEPT
-A ufw-before-forward -p icmp --icmp-type parameter-problem -j ACCEPT
-A ufw-before-forward -p icmp --icmp-type echo-request -j ACCEPT

# allow dhcp client to work
-A ufw-before-input -p udp --sport 67 --dport 68 -j ACCEPT

#
# ufw-not-local
#
```

On vérifie l'état du pare feu avec:

```
systemctl status ufw
```

```
root@debian:/home/elie# systemctl status ufw
```

```
● ufw.service - Uncomplicated firewall
   Loaded: loaded (/lib/systemd/system/ufw.service; enabled; vendor prese>
   Active: active (exited) since Thu 2022-11-10 14:31:18 CET; 3h 7min ago
     Docs: man:ufw(8)
  Main PID: 255 (code=exited, status=0/SUCCESS)
    Tasks: 0 (limit: 2284)
   Memory: 0B
      CPU: 0
   CGroup: /system.slice/ufw.service
```

```
nov. 10 14:31:18 debian systemd[1]: Finished Uncomplicated firewall.
```

```
Warning: journal has been rotated since unit was started, output may be inc>
lines 1-12/12 (END)
```