CONFIGURACIÓ DEFAULT:

```
[admin@MikroTik] > ip firewall filter print
Flags: X - disabled, I - invalid, D - dynamic
 0  D ;;; special dummy rule to show fasttrack counters
      chain=forward action=passthrough

 1    ;;; defconf: accept established,related,untracked
      chain=input action=accept connection-state=established,related,untracked

 2    ;;; defconf: drop invalid
      chain=input action=drop connection-state=invalid

 3    ;;; defconf: accept ICMP
      chain=input action=accept protocol=icmp

 4    ;;; defconf: accept to local loopback (for CAPsMAN)
      chain=input action=accept dst-address=127.0.0.1

 5    ;;; defconf: drop all not coming from LAN
      chain=input action=drop in-interface-list=!LAN
```

```
 6    ;;; defconf: accept in ipsec policy
      chain=forward action=accept ipsec-policy=in,ipsec

 7    ;;; defconf: accept out ipsec policy
      chain=forward action=accept ipsec-policy=out,ipsec

 8    ;;; defconf: fasttrack
      chain=forward action=fasttrack-connection connection-
state=established,related

 9    ;;; defconf: accept established,related, untracked
      chain=forward action=accept connection-state=established,related,untracked

10    ;;; defconf: drop invalid
      chain=forward action=drop connection-state=invalid

11    ;;; defconf: drop all from WAN not DSTNATed
      chain=forward action=drop connection-state=new connection-nat-state=!dstnat
in-interface-list=WAN
[admin@MikroTik] >
[admin@MikroTik] > ip firewall filter export compact
# jan/02/1970 00:05:02 by RouterOS 6.49.10
# software id = TJKE-VQ6R
#
# model = RB952Ui-5ac2nD
# serial number = CC3E0E31C2F6
/ip firewall filter
add action=accept chain=input comment="defconf: accept
established,related,untracked" connection-state=established,related,untracked
add action=drop chain=input comment="defconf: drop invalid" connection-
state=invalid
add action=accept chain=input comment="defconf: accept ICMP" protocol=icmp
add action=accept chain=input comment="defconf: accept to local loopback (for
CAPsMAN)" dst-address=127.0.0.1
add action=drop chain=input comment="defconf: drop all not coming from LAN" in-
interface-list=!LAN
add action=accept chain=forward comment="defconf: accept in ipsec policy" ipsec-
policy=in,ipsec
add action=accept chain=forward comment="defconf: accept out ipsec policy" ipsec-
policy=out,ipsec
add action=fasttrack-connection chain=forward comment="defconf: fasttrack"
connection-state=established,related
add action=accept chain=forward comment="defconf: accept established,related,
untracked" connection-state=established,related,untracked
add action=drop chain=forward comment="defconf: drop invalid" connection-
state=invalid
add action=drop chain=forward comment="defconf: drop all from WAN not DSTNATed"
connection-nat-state=!dstnat connection-state=new in-interface-list=WAN
```

TRIAR SUBXARXA DEV: 10.1.1.0/25

Broadcast: 10.1.1.127

```
[admin@MikroTik] > ip firewall filter print
Flags: X - disabled, I - invalid, D - dynamic
 0  D ;;; special dummy rule to show fasttrack counters
      chain=forward action=passthrough

 1     ;;; defconf: accept established,related,untracked
      chain=input action=accept connection-state=established,related,untracked

 2     ;;; defconf: drop invalid
      chain=input action=drop connection-state=invalid

 3     ;;; defconf: accept ICMP
      chain=input action=accept protocol=icmp

 4     ;;; defconf: accept to local loopback (for CAPsMAN)
      chain=input action=accept dst-address=127.0.0.1
```

```
 5    ;;; defconf: drop all not coming from LAN
      chain=input action=drop in-interface-list=!LAN

 6    ;;; defconf: accept in ipsec policy
      chain=forward action=accept ipsec-policy=in,ipsec

 7    ;;; defconf: accept out ipsec policy
      chain=forward action=accept ipsec-policy=out,ipsec

 8    ;;; defconf: fasttrack
      chain=forward action=fasttrack-connection connection-
state=established,related

 9    ;;; defconf: accept established,related, untracked
      chain=forward action=accept connection-state=established,related,untracked

10    ;;; defconf: drop invalid
      chain=forward action=drop connection-state=invalid

11    ;;; defconf: drop all from WAN not DSTNATed
      chain=forward action=drop connection-state=new connection-nat-state=!dstnat
in-interface-list=WAN

12    chain=forward action=accept protocol=tcp src-address=10.1.1.0/25 dst-
port=80,443 log=no log-prefix=""

13    chain=forward action=accept protocol=tcp dst-address=10.1.1.0/25 src-
port=80,443 log=no log-prefix=""

14    chain=forward action=accept protocol=tcp src-address=192.168.88.0/24 dst-
address=192.168.88.0/24 dst-port=80 log=no log-prefix=""

15    chain=forward action=accept protocol=tcp src-address=192.168.88.0/24 dst-
address=192.168.88.0/24 src-port=80 log=no log-prefix=""

16    chain=forward action=accept protocol=udp src-address=10.1.1.0/25 dst-
address=8.8.8.8 dst-port=53 log=no log-prefix=""

17    chain=forward action=accept protocol=udp src-address=8.8.8.8 dst-
address=10.1.1.0/25 src-port=53 log=no log-prefix=""

18    chain=forward action=accept protocol=icmp dst-address=10.1.1.0/25 log=no log-
prefix=""

19    chain=forward action=accept protocol=icmp src-address=10.1.1.0/25 log=no log-
prefix=""

20    chain=forward action=accept protocol=udp src-address=10.1.1.224/30 dst-
address=10.1.1.224/30 dst-port=520 log=no log-prefix=""

21    chain=forward action=accept protocol=udp src-address=10.1.1.224/30 dst-
address=224.0.0.9 dst-port=520 log=no log-prefix=""
```

PING GOOGLE:


```
C:\Users\Convidat.AUL-1974>ping www.google.com

Haciendo ping a www.google.com [142.250.184.164] con 32 bytes de datos:
Respuesta desde 142.250.184.164: bytes=32 tiempo=10ms TTL=116
Respuesta desde 142.250.184.164: bytes=32 tiempo=10ms TTL=116
Respuesta desde 142.250.184.164: bytes=32 tiempo=10ms TTL=116
Respuesta desde 142.250.184.164: bytes=32 tiempo=10ms TTL=116

Estadísticas de ping para 142.250.184.164:
    Paquetes: enviados = 4, recibidos = 4, perdidos = 0
    (0% perdidos),
Tiempos aproximados de ida y vuelta en milisegundos:
    Mínimo = 10ms, Máximo = 10ms, Media = 10ms

C:\Users\Convidat.AUL-1974>
C:\Users\Convidat.AUL-1974>
```

COMPROVACIÓ WEB:

Ens podem conectar a la web i navegar sense problema

COMPROVACIÓ DNS:

		11	✖ drop	forward					
- D	X	12	✔ accept	forward	10.1.1.0/25		6 (tcp)		80,443
- E	X	13	✔ accept	forward		10.1.1.0/25	6 (tcp)	80,443	
- E	X	14	✔ accept	forward	192.168.88.0/24	192.168.88.0/24	6 (tcp)		80
- E	X	15	✔ accept	forward	192.168.88.0/24	192.168.88.0/24	6 (tcp)	80	
- D		16	✔ accept	forward	10.1.1.0/25	8.8.8.8	17 (udp)		53
- D		17	✔ accept	forward	8.8.8.8	10.1.1.0/25	17 (udp)	53	
- E	X	18	✔ accept	forward		10.1.1.0/25	1 (icmp)		
- E	X	19	✔ accept	forward	10.1.1.0/25		1 (icmp)		
- E	X	20	✔ accept	forward	10.1.1.224/30	10.1.1.224/30	17 (udp)		520
- E	X	21	✔ accept	forward	10.1.1.224/30	224.0.0.9	17 (udp)		520
- D		22	✖ reject	forward			6 (tcp)		

```
C:\WINDOWS\system32\cmd.exe - nslookup

C:\Users\Convidat.AUL-1974>nslookup
Servidor predeterminado:  router.lan
Address:  192.168.88.1

> www.google.com
Servidor:  router.lan
Address:  192.168.88.1

Respuesta no autoritativa:
Nombre:  www.google.com
Addresses:  2a00:1450:4003:80c::2004
          142.250.184.164
>
```

COMPROVACIÓ PING:

```
C:\WINDOWS\system32\cmd.exe

Haciendo ping a 10.1.1.0 con 32 bytes de datos:
Tiempo de espera agotado para esta solicitud.
Tiempo de espera agotado para esta solicitud.
Tiempo de espera agotado para esta solicitud.

Estadísticas de ping para 10.1.1.0:
    Paquetes: enviados = 3, recibidos = 0, perdidos = 3
    (100% perdidos),
Control-C
^C
C:\Users\Convidat.AUL-1974>ping 192.168.88.1

Haciendo ping a 192.168.88.1 con 32 bytes de datos:
Respuesta desde 192.168.88.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.88.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.88.1: bytes=32 tiempo<1m TTL=64
Respuesta desde 192.168.88.1: bytes=32 tiempo<1m TTL=64

Estadísticas de ping para 192.168.88.1:
    Paquetes: enviados = 4, recibidos = 4, perdidos = 0
    (0% perdidos),
Tiempos aproximados de ida y vuelta en milisegundos:
    Mínimo = 0ms, Máximo = 0ms, Media = 0ms

C:\Users\Convidat.AUL-1974>
```