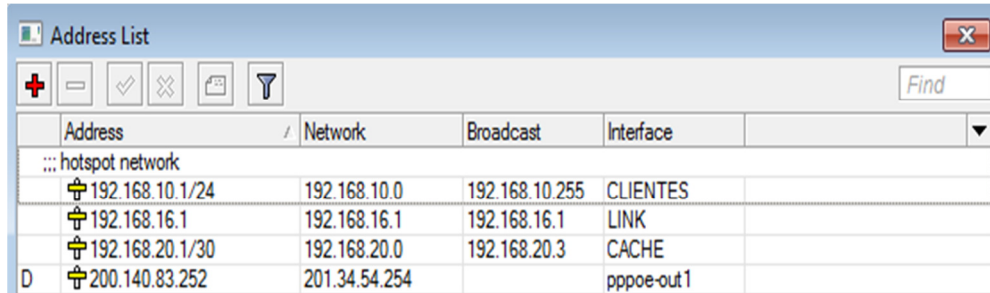
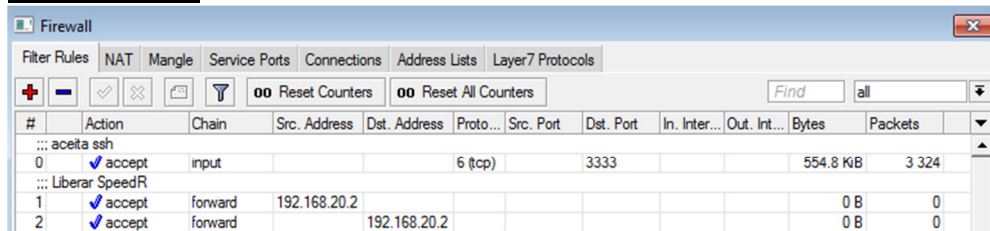


REGRAS SPEEDR PARALELO AO MIKROTIK



Address	Network	Broadcast	Interface
::: hotspot network			
192.168.10.1/24	192.168.10.0	192.168.10.255	CLIENTES
192.168.16.1	192.168.16.1	192.168.16.1	LINK
192.168.20.1/30	192.168.20.0	192.168.20.3	CACHE
200.140.83.252	201.34.54.254		pppoe-out1

REGRAS FILTER:



#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Inter...	Out. Int...	Bytes	Packets
0	accept	input			6 (tcp)		3333			554.8 KiB	3 324
1	accept	forward	192.168.20.2							0 B	0
2	accept	forward		192.168.20.2						0 B	0

Regras filter rules firewall (regra para liberar internet)

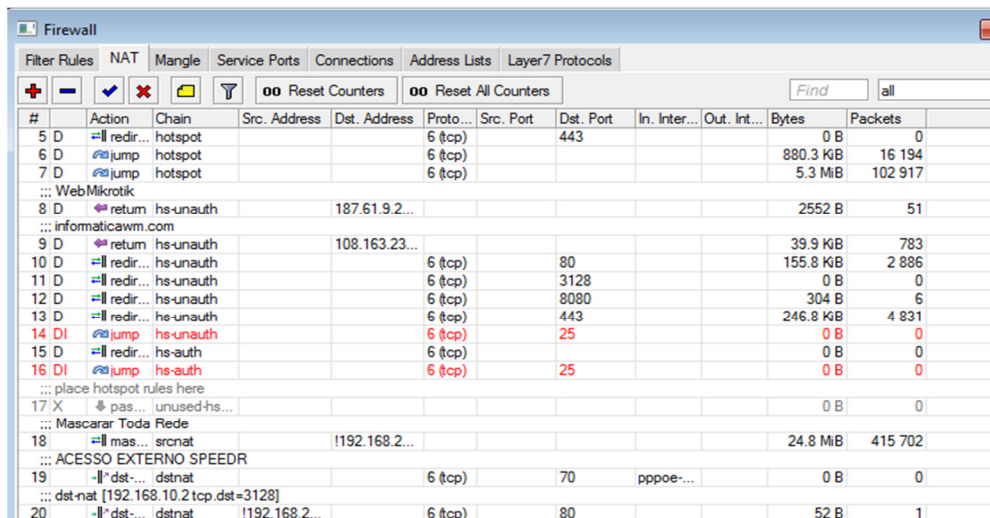
add action=accept chain=input comment="Liberar SpeedR" disabled=no \

src-address=192.168.20.2

add action=accept chain=forward comment="" disabled=no dst-address=\

192.168.20.2

De vermelho Ip servidor speedr.



#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Inter...	Out. Int...	Bytes	Packets
5 D	redir...	hotspot			6 (tcp)		443			0 B	0
6 D	jump	hotspot			6 (tcp)					880.3 KiB	16 194
7 D	jump	hotspot			6 (tcp)					5.3 MiB	102 917
::: Web Mikrotik											
8 D	return	hs-unauth	187.61.9.2...							2552 B	51
::: informaticawm.com											
9 D	return	hs-unauth	108.163.23...							39.9 KiB	783
10 D	redir...	hs-unauth			6 (tcp)		80			155.8 KiB	2 886
11 D	redir...	hs-unauth			6 (tcp)		3128			0 B	0
12 D	redir...	hs-unauth			6 (tcp)		8080			304 B	6
13 D	redir...	hs-unauth			6 (tcp)		443			246.8 KiB	4 831
14 DI	jump	hs-unauth			6 (tcp)		25			0 B	0
15 D	redir...	hs-auth			6 (tcp)					0 B	0
16 DI	jump	hs-auth			6 (tcp)		25			0 B	0
::: place hotspot rules here											
17 X	pas...	unused-hs...								0 B	0
::: Mascara Toda Rede											
18	mas...	srcnat	!192.168.2...							24.8 MiB	415 702
::: ACESSO EXTERNO SPEEDR											
19	dst-nat	dstnat			6 (tcp)		70	pppoe...		0 B	0
::: dst-nat [192.168.10.2 tcp.dst=3128]											
20	dst-nat	dstnat	!192.168.2...		6 (tcp)		80			52 B	1

REGRAS NAT:

Regra mascarar:

add action=masquerade chain=srcnat comment="Mascarar Toda Rede" disabled=no dst-address=!192.168.20.2

Regra para acessar speedr externamente (obs: pppoe-out1 > interface do link)

add action=dst-nat chain=dstnat comment="ACESSO EXTERNO SPEEDR" disabled=no dst-port=70 in-interface=pppoe-out1 \

protocol=tcp to-addresses=192.168.20.2 to-ports=8080

Regra ativar e desativar cache: (regra deve ficar abaixo da de bloqueio e pendencia)

add action=dst-nat chain=dstnat comment="dst-nat [192.168.20.2 tcp.dst=3128]" disabled=no dst-port=80 protocol=\

tcp src-address=!192.168.20.2 to-addresses=192.168.20.2 to-ports=3128

OBS: A REGRA "place hotspot rules here" tem que ficar desativada.

REGRA MANGLE:

Filter Rules NAT Mangle Service Ports Connections Address Lists Layer7 Protocols											
Find all											
#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Inter...	Out. Int...	Bytes	Packets
WebMikrotik											
0	acc...	prerouting		187.61.9.2...						770.8 KiB	5 886
1	mar...	prerouting								0 B	0
2	mar...	prerouting								4149.0 KiB	22 124
3	mar...	prerouting								4149.0 KiB	22 124
4	mar...	prerouting								4149.0 KiB	22 124
YOUTUBE											
5	mar...	prerouting								12.2 MiB	13 870
6	mar...	prerouting								1907.2 MiB	2 140 989
ORKUT											
7	mar...	prerouting								44.6 MiB	57 173
8	mar...	postrouting								44.5 MiB	55 972
if addlist = speedr-redirect -> mark connection [connmarkspeedr-redirect]											
9	X	mar...			6 (tcp)		80			0 B	0
dscp->12 => [packet_speedr_HIT]											
10	mar...	postrouting								12.5 KiB	76
dscp->10 => [packet_speedr_HIT]											
11	mar...	postrouting								1325.8 KiB	1 829
dscp->48 => [packet_speedr_HIT]											
12	mar...	postrouting								10.8 MiB	77 845
13	D	cha...			6 (tcp)			pppoe-...		4020.3 KiB	82 314
14	D	cha...			6 (tcp)			pppoe-...		5.5 MiB	113 230

Marca os pacotes dos objetos armazenados que vem pelo Speedr com DSCP 12:

```
add action=mark-packet chain=postrouting comment="dscp->12) => [packet_speedr_HIT]"
disabled=no dscp=12 \
new-packet-mark=packet_speedr_HIT passthrough=no
```

Marca os pacotes dos objetos armazenados que vem pelo Speedr com DSCP 10:

```
add action=mark-packet chain=postrouting comment="dscp->10 => [packet_speedr_HIT]"
disabled=no dscp=10 \
new-packet-mark=packet_speedr_HIT passthrough=no
```

Testes de velocidade DSCP 48:

```
add action=mark-packet chain=postrouting comment="dscp->48 => [packet_speedr_HIT]"
disabled=no dscp=48 \
new-packet-mark=packet_speedr_HIT passthrough=no
```

REGRA ADDRESS LIST:

Filter Rules		NAT		Mangle		Service Ports		Connections		Address Lists		Layer7 Protocols	
												Find all	
		Name		/		Address							
		intranet				192.168.10.0/30							
D		mensagem_pendencia...				192.168.10.29							
:::		Regra webcache											
		speedr-redirect				192.168.10.0/30							

/ip firewall address-lis

```
add address=192.168.10.0/30 comment="" disabled=no list=intranet
add address=192.168.10.0/30 comment="Regra webcache" disabled=no list=\
speedr-redirect
-192.168.10.0/30 FAIXA DE REDE DO SPEDR SEGUIDO DE /30
```

REGRA QUEUE TREE:

Simple Queues Interface Queues Queue Tree											
Reset Counters Reset All Counters Find											
Name	Parent	Packet Marks	Limit At (b...	Max Limit ...	Avg. R...	Queued Bytes	Bytes	Packets			
Cache-Full - 2.4GHZ	global-out	packet_speedr_HIT			0 bps	0 B	0 B	0			
YOUTUBE	global-out	Youtube_Pacotes			3M 417.5 k...	0 B	1903.3 ...	2 132 8...			
[P2P] - Download	global-in	pacotes-p2p			64k 0 bps	0 B	4149.0 ...	22 124			
[P2P] - Upload	global-out	pacotes-p2p			64k 0 bps	0 B	4149.4 ...	22 113			
X orkut	global-out	orkut_Pacotes			700k 0 bps	0 B	0 B	0			
webcache HIT	global-out	packet_speedr_HIT	20M	20M	896 bps	0 B	12.2 MiB	80 462			

REGRA CACHE FULL:

/queue tree

```
add burst-limit=0 burst-threshold=0 burst-time=0s disabled=no limit-at=20M \
max-limit=20M name="webcache HIT" packet-mark=packet_speedr_HIT parent=\
global-out priority=8 queue=default
```

* velocidade liberada para puxar do cache.

Com estas regras o cache já estará funcionando.