

# FIREWALL

# BLOK IP

Session Settings Dashboard

Safe Mode Session: CC:2D:E0:7C:F0:7B

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

Reset Counters Reset All Counters

Find all

#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Interf...	Out. Inte...	In. Interf...	Out. Inte...	Src. Ad...	Dst. Ad...	Bytes	Packets
0	D	jump	forward											0 B	0
1	D	jump	forward											0 B	0
2	D	jump	input												
3	D	drop	input												
4	D	jump	hs-input												
5	D	acc...	hs-input												
6	D	acc...	hs-input												
7	D	jump	hs-input												
8	D	reject	hs-unauth												
9	D	reject	hs-unauth												
10	D	reject	hs-unauth												
11	X	pas...	unused-h												
12	D	drop	forward												
13	D	drop	forward												

14 items

New Firewall Rule

General Advanced Extra Action Statistics

Chain: forward

Src. Address: 192.168.10.88

Dst. Address:

Protocol:

Src. Port:

Dst. Port:

Any. Port:

In. Interface:

Out. Interface:

In. Interface List:

Out. Interface List:

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

New Firewall Rule

General Advanced Extra Action Statistics

Action: drop

Log

Log Prefix:

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

enabled

Command Prompt

Ethernet adapter Ethernet:

```
Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . . : fe80::f10f:a4ee:62f0:3a70%17  
IPv4 Address. . . . . : 192.168.10.88  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.10.1
```

# BLOK IP

Session Settings Dashboard

Safe Mode Session: CC:2D:E0:7C:F0:7B

Quick Set  
CAPsMAN  
Interfaces  
Wireless  
Bridge  
PPP  
Switch  
Mesh  
IP  
MPLS  
Routing  
System  
Queues  
Files  
Log  
RADIUS  
Tools  
New Terminal  
Dot1X  
MetaROUTER  
Partition  
Make Supout.rif  
New WinBox  
Exit  
Windows

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

Filter Rules

#	Action	Chain	Src. Address	Dest. Address
0	D jump	forward		
1	D jump	forward		
2	D jump	input		
3	D drop	input		
4	D jump	hs-input		
5	D acc...	hs-input		
6	D acc...	hs-input		
7	D jump	hs-input		
8	D reject	hs-unauth		
9	D reject	hs-unauth		
10	D reject	hs-unauth-to		
... place hotspot rules here				
11	X pas...	unused-hs...		
... unika blok				
12	D drop	forward	172.16.1.0/24	
... kompas blok				
13	D drop	forward	172.16.1.0/24	
... blok ip				
14	D drop	forward	192.168.10.88	

15 items (1 selected)

Command Prompt

```
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

C:\Users\MSI>ping 8.8.8.8 -t

Pinging 8.8.8.8 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Request timed out.
Request timed out.
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
```

Bytes	Packets
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
88.1 KiB	361

# BLOK MAC ADDRESS

Session Settings Dashboard  
Safe Mode Session: CC:2D:E0:7C:F0:7B

Quick Set  
CAPsMAN  
Interfaces  
Wireless  
Bridge  
PPP  
Switch  
Mesh  
IP  
MPLS  
Routing  
System  
Queues  
Files  
Log  
RADIUS  
Tools  
New Terminal  
Dot1X  
MetaROUTER  
Partition  
Make Supout.tif  
New WinBox  
Exit  
Windows

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

Find all

Reset Counters Reset All Counters

New Firewall Rule

General Advanced Extra Action Statistics

Chain: forward

Src. Address: Dst. Address: Protocol: Src. Port: Dst. Port: Any. Port: In. Interface: Out. Interface: In. Interface List: Out. Interface List: Packet Mark: Connection Mark: Routing Mark: Routing Table: Connection Type: Connection State:

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

enabled

Firewall Rule <>

General Advanced Extra Action Statistics

Src. Address List: Dst. Address List: Layer7 Protocol: Content: Connection Bytes: Connection Rate: Per Connection Classifier: Src. MAC Address: FC:34:97:02:16:2E Out Bridge Port: In Bridge Port: In Bridge Port List: Out Bridge Port List: IPsec Policy: TLS Host: Ingress Priority: Priority: DSCP (TOS):

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

enabled

Firewall Rule <>

General Advanced Extra Action Statistics

Action: drop

Log Log Prefix:

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

enabled

15 items (1 selected)

The screenshot displays the Mikrotik WinBox interface. On the left is a sidebar with navigation icons for various system components. The main window is titled 'Firewall' and contains a configuration table for Firewall Rules. The table has columns for #, Action, Chain, and Src. Address. Rule 15 is selected, showing an action of 'drop' in the 'forward' chain for the source address '172.16.1.0/24'. Overlaid on the WinBox window is a Windows Command Prompt window titled 'Command Prompt - ping 8.8.8.8 -t'. It shows the output of a continuous ping to 8.8.8.8, displaying statistics such as 'Packets: Sent = 268, Received = 268, Lost = 0 (0% loss)' and 'Approximate round trip times in milli-seconds: Minimum = 19ms, Maximum = 24ms, Average = 19ms'. To the right of the Command Prompt, a table shows the cumulative statistics for the ping test.

Bytes	Packets
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
0 B	0
171.8 KiB	997
124.8 KiB	899



Session Settings Dashboard
Session: CC:2D:E0:7C:F0:7B

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- MPLS
- Routing
- System
- Queues
- Files
- Log
- RADIUS
- Tools
- New Terminal
- Dot1X
- MetaROUTER

DHCP Server

DHCP
Networks
Leases
Options
Option Sets
Vendor Classes
Alerts

+
-
↕
✕
📄
🔍

Check Status

Find

	Address	MAC Address	Client ID	Server	Active Address	Active MAC Address	Active Host	Exp
D	192.168.10.88	FC:34:97:02:16:2E	1:fc:34:97:2:16:2e	server1_lan	192.168.10.88	FC:34:97:02:16:2E	TUF	

Cm

 Command Prompt

```

Ethernet adapter Ethernet:

Connection-specific DNS Suffix  . :
Description . . . . . : Realtek PCIe GbE Family Controller
Physical Address. . . . . : FC-34-97-02-16-2E
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::f10f:a4ee:62f0:3a70%17(Preferred)
IPv4 Address. . . . . : 192.168.10.88(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.10.1
DHCPv6 IAID . . . . . : 117191831
DHCPv6 Client DUID. . . . . : 00-01-00-01-28-02-C9-F5-FC-34-97-02-16-2E
DNS Servers . . . . . : 8.8.8.8
                        8.8.4.4
NetBIOS over Tcpip. . . . . : Enabled
          
```

# WHITELIST

Session Settings Dashboard

Safe Mode Session: CC:2D:E0:7C:F0:7B

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

Find all

#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Interf...	Out. Inte...	In. Interf...	Out. Inte...	Src. Ad...	Dst. Ad...	Bytes	Packets
0	D	jump													
1	D	jump													
2	D	jump													
3	D	drop													
4	D	jump													
5	D	acc...													
6	D	acc...													
7	D	jump													
8	D	reject													
9	D	reject													
10	D	reject													
11	X	place hotspot rule													
12	X	unika blok													
13	X	kompas blok													
14	X	blok ip													
15	X	blok mac address													
16	✓	whitelist													

17 items (1 selected)

Firewall Rule <>

General Advanced Extra Action Statistics

Chain: forward

Src. Address:

Dst. Address:

Protocol:

Src. Port:

Dst. Port:

Any. Port:

In. Interface: ether2\_jan

Out. Interface:

In. Interface List:

Out. Interface List:

Packet Mark:

Connection Mark:

Routing Mark:

Routing Table:

Connection Type:

Connection State:

enabled

Firewall Rule <>

General Advanced Extra Action Statistics

Src. Address List:

Dst. Address List:

Layer7 Protocol:

Content:

Connection Bytes:

Connection Rate:

Per Connection Classifier:

Src. MAC Address: FC:34:97:02:16:2E

Out. Bridge Port:

In. Bridge Port:

In. Bridge Port List:

Out. Bridge Port List:

IPsec Policy:

TLS Host:

Ingress Priority:

Priority:

DSCP (TOS):

enabled

Firewall Rule <>

General Advanced Extra Action Statistics

Action: accept

Log:

Log Prefix:

enabled

# WHITELIST

Session Settings Dashboard

Safe Mode Session: CC:2D:E0:7C:F0:7B

Quick Set  
CAPsMAN  
Interfaces  
Wireless  
Bridge  
PPP  
Switch  
Mesh  
IP  
MPLS  
Routing  
System  
Queues  
Files  
Log  
RADIUS  
Tools  
New Terminal  
Dot1X  
MetaROUTER  
Partition  
Make Supoutrif  
New WinBox  
Exit  
Windows

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

+ - ✓ ✗ 📁 🔍

Reset Counters Reset All Counters

Find all

#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Interf...	Out. Inte...	In. Interf...	Out. Inte...	Src. Ad...	Dst. Ad...	Bytes	Packets
0	D	jump	forward												
1	D	jump	forward												
2	D	jump	input												
3	D	drop	input												
4	D	jump	hs-input												
5	D	acc...	hs-input												
6	D	acc...	hs-input												
7	D	jump	hs-input												
8	D	reject	hs-unauth												
9	D	reject	hs-unauth												
10	D	reject	hs-unauth												
... place hotspot rules here															
11	X	pas...	unused-h												
... unika blok															
12	X	drop	forward												
... kompas blok															
13	X	drop	forward												
... blok ip															
14	X	drop	forward												
... blok mac address															
15	X	drop	forward												
... whitelist															
16	✓	acc...	forward												
... whitelist															
17	X	drop	forward												

18 items (1 selected)

Firewall Rule <>

General Advanced Extra Action Statistics

Chain: forward

Src. Address:

Dst. Address:

Protocol:

Src. Port:

Dst. Port:

Any. Port:

In. Interface: ☐ ether2\_lan

Out. Interface:

In. Interface List:

Out. Interface List:

Packet Mark:

Connection Mark:

Routing Mark:

Routing Table:

Connection Type:

Connection State:

enabled

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

Firewall Rule <>

General Advanced Extra Action Statistics

Action: drop

☐ Log

Log Prefix:

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

enabled



# WHITELIST

Session Settings Dashboard

Safe Mode Session: CC:2D:E0:7C:F0:7B

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

Reset Counters Reset All Counters

#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Interf...	Out. Inte...	In. Interf...	Out. Inte...	Src. Ad...	Dst. Ad...	Bytes	Packets
0 D	jump	forward													
1 D	jump	forward													
2 D	jump	input													
3 D	drop	input													
4 D	jump	hs-input													
5 D	acc...	hs-input													
6 D	acc...	hs-input													
7 D	jump	hs-input													
8 D	reject	hs-unauth													
9 D	reject	hs-unauth													
10 D	reject	hs-unauth													
... place hotspot rules here															
11 X	pas...	unused-h													
... unika blok															
12	drop	forward													
... kompas blok															
13	drop	forward													
... blok ip															
14 X	drop	forward													
... blok.mac address															
15 X	drop	forward													
... whitelist															
16	acc...	forward													
... whitelist															
17	drop	forward													

18 items (1 selected)

Firewall Rule <>

General Advanced Extra Action Statistics

Src. Address List

Dst. Address List

Layer7 Protocol:

Content

Connection Bytes:

Connection Rate:

Per Connection Classifier:

Src. MAC Address: ☐ FC:34:97:02:16:2D

Out. Bridge Port

In. Bridge Port

In. Bridge Port List

Out. Bridge Port List

IPsec Policy:

TLS Host

Ingress Priority:

Priority:

DSCP (TOS):

enabled

Command Prompt - ping 8.8.8.8 -t

```
Packets: Sent = 15, Received = 15, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
  Minimum = 19ms, Maximum = 20ms, Average = 19ms
Control-C
^C
C:\Users\MSI>ping 8.8.8.8 -t

Pinging 8.8.8.8 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=19ms TTL=117
Reply from 8.8.8.8: bytes=32 time=20ms TTL=117
Request timed out.
Request timed out.
Request timed out.
```