

Manual:IP/Firewall/Address list

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Applies
to

RouterOS: 2.9, v3,
v4 +



Summary

Sub-menu: /ip firewall address-list

Firewall address lists allow a user to create lists of IP addresses grouped together under a common name. Firewall filter, mangle and NAT facilities can then use those address lists to match packets against them.

The address list records can also be updated dynamically via the [action=add-src-to-address-list](#) or [action=add-dst-to-address-list](#) items found in NAT, Mangle and Filter facilities.

Properties

Property	Description
address (DNS Name IP address/netmask IP-IP; Default:)	A single IP address or range of IPs to add to address list or DNS name. You can input for example, '192.168.0.0-192.168.1.255' and it will auto modify the typed entry to 192.168.0.0/23 on saving.

list (<i>string</i> ; Default:)	Name for the address list of the added IP address
timeout (<i>time</i> ; Default:)	Time after address will be removed from address list. If timeout is not specified, the address will be stored into the address list permanently.



Note: If the timeout parameter is not specified, then the address will be saved to the list permanently to the disk. If a timeout is specified, the address will be stored on the RAM and will be removed after a system's reboot.

Example

The following example creates a dynamic address list of people that are connecting to port 23 (telnet) on the router and drops all further traffic from them for 5 minutes. Additionally, the address list will also contain one static address list entry of 192.0.34.166/32 (www.example.com):

```
/ip firewall address-list add list=drop_traffic address=192.0.34.166/32
```

```
/ip firewall address-list print
Flags: X - disabled, D - dynamic
#   LIST          ADDRESS
0   drop_traffic  192.0.34.166
```

```
/ip firewall mangle add action=add-src-to-address-list address-list=drop_traffic \
    address-list-timeout=5m chain=prerouting dst-port=23 protocol=tcp
/ip firewall filter add action=drop chain=input src-address-list=drop_traffic
```

```
/ip firewall address-list print
Flags: X - disabled, D - dynamic
#   LIST          ADDRESS
0   drop_traffic  192.0.34.166
1 D drop_traffic  1.1.1.1
2 D drop_traffic  10.5.11.8
```

As seen in the output of the last print command, two new dynamic entries appeared in the address list (marked with a status of 'D'). Hosts with these IP addresses tried to initialize a telnet session to the router and were then subsequently dropped by the filter rule.

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