

Address Lists

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General Information

Summary

Firewall address lists allow to create a list of IP addresses to be used for packet matching.

Specifications

Packages required: *system*

License required: *level1*

Home menu level: */ip firewall address-list*

Standards and Technologies: *IP*

Hardware usage: *Not significant*

Related Documents

- [Software Package Management](#)
- [NAT](#)
- [Filter](#)
- [Packet Flow](#)
- [Packet Flow](#)

Address Lists

Description

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

The address list records could 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.

Property Description

list (*name*) - specify the name of the address list to add IP address to

address (*IP address | netmask | IP address | IP address*) - specify the IP address or range to be added to the address list. Note that console converts entered address/netmask value to a valid network address, i.e.:1.1.1.1/24 is converted to 1.1.1.0/24

Example

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

```
[admin@MikroTik] > /ip firewall address-list add list=drop_traffic
address=192.0.34.166/32
[admin@MikroTik] > /ip firewall address-list print
Flags: X - disabled, D - dynamic
# LIST ADDRESS
0 drop_traffic 192.0.34.166
[admin@MikroTik] > /ip firewall mangle add chain=prerouting protocol=tcp dst-port=23 \
\... action=add-src-to-address-list address-list=drop_traffic
[admin@MikroTik] > /ip firewall filter add action=drop chain=input
src-address-list=drop_traffic
[admin@MikroTik] > /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
[admin@MikroTik] >
```

As seen in the output of the last **print** command, two new dynamic entries appeared in the address list. Hosts with these IP addresses tried to initialize a telnet session to the router.