General Interface Settings

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General Information

Summary

MikroTik RouterOS supports a variety of Network Interface Cards as well as some virtual interfaces (like Bonding, Bridge, VLAN etc.). Each of them has its own submenu, but there is also a list of all interfaces where some common properties can be configured.

Description

The Manual describes general settings of MikroTik RouterOS interfaces.

Interface Status

Home menu level: ***/interface***

Property Description

name (*text*) - the name of the interface

type (*read-only: arlan* | *bonding* | *bridge* | *cyclades* | *eoip* | *ethernet* | *farsync* | *ipip* | *isdn-client* | *isdn-server* | *l2tp-client* | *l2tp-server* | *moxa-c101* | *moxa-c502* | *mtsync* | *pc* | *ppp-client* | *ppp-server* | *pppoe-client* | *pppoe-server* | *pptp-client* | *pptp-server* | *pvc* | *radiolan* | *sbe* | *vlan* | *wavelan* | *wireless* | *xpeed*) - interface type

mtu (*integer*) - maximum transmission unit for the interface (in bytes)

rx-rate (*integer*; default: **0**) - maximum data rate for receiving data

- **0** - no limits

tx-rate (*integer*; default: **0**) - maximum data rate for transmitting data

- **0** - no limits

Example

To see the list of all available interfaces:

```
[admin@MikroTik] interface> print
Flags: X - disabled, D - dynamic, R - running
 #    NAME                         TYPE            RX-RATE    TX-RATE    MTU
 0  R ether1                       ether           0          0          1500
 1  R bridge1                      bridge          0          0          1500
 2  R ether2                       ether           0          0          1500
 3  R wlan1                        wlan            0          0          1500
[admin@MikroTik] interface>
```

Traffic Monitoring

Command name: ***/interface monitor-traffic***

Description

The traffic passing through any interface can be monitored.

Property Description

received-packets-per-second (*read-only: integer*) - number of packets that interface has received in one second

received-bits-per-second (*read-only: integer*) - number of bits that interface has received in one second

sent-packets-per-second (*read-only: integer*) - number of packets that interface has sent in one second

sent-bits-per-second (*read-only: integer*) - number of bits that interface has sent in one second

Notes

One or more interfaces can be monitored at the same time.

To see overall traffic passing through all interfaces at time, use **aggregate** instead of interface name.

Example

Multiple interface monitoring:

```
/interface monitor-traffic ether1,aggregate
    received-packets-per-second: 9        11
       received-bits-per-second: 4.39kbps 6.19kbps
        sent-packets-per-second: 16       17
           sent-bits-per-second: 101kbps  101kbps
-- [Q quit|D dump|C-z pause]
```