

Unix shell,

/ip route print:

```
[admin@MikroTik] > /ip route print
Flags: A - active, X - disabled, I - invalid, D - dynamic,
C - connect, S - static, r - rip, b - bgp, o - ospf, d - dynamic
#      DST-ADDRESS      G GATEWAY      DISTANCE      INTERFACE
0 ADC 1.1.1.0/24
1 A S 2.2.2.0/24      r 1.1.1.2      0             isp2
2 ADC 3.3.3.0/24
3 ADC 10.1.0.0/24
4 A S 0.0.0.0/0      r 10.1.0.1     0             isp1
```

[admin@MikroTik] >

ip route

:

```
[admin@MikroTik] > ip route
[admin@MikroTik] ip route> print
Flags: A - active, X - disabled, I - invalid, D - dynamic,
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3 ADC 10.1.0.0/24
4 A S 0.0.0.0/0      r 10.1.0.1     0             isp1
```

[admin@MikroTik] ip route>

() /

```
[admin@MikroTik] > /ip route
[admin@MikroTik] ip route> /
[admin@MikroTik] >
```

..

/ .

```
[admin@MikroTik] ip route> /ping 10.0.0.1
10.0.0.1 ping timeout
2 packets transmitted, 0 packets received, 100% packet loss
[admin@MikroTik] ip firewall nat> .. service-port print
Flags: X - disabled, I - invalid
#   NAME
PORTS
0   ftp                               21
1   tftp                               69
2   irc
6667
3 X h323
4   quake3
5   mms
6   gre
7   pptp
[admin@MikroTik] ip firewall nat>
```

: interfaces, routes, users . . .

interface **user.**

print

```

    print
    ,
    add, remove move(
    ).
    ,
    ,
    ,
    print.
    ,
    ip address print
    .

```

```

[admin@MikroTik] interface> set 0 mtu=1200
ERROR: item number must be assigned by a print command
use print command before using an item number in a command
[admin@MikroTik] interface> print
Flags: X - disabled, D - dynamic, R - running
#   NAME                TYPE             RX-RATE  TX-RATE  MTU
0   R Public            ether            0         0
1500
1   R Local              ether            0         0
1500
2   R wlan1             wlan             0         0
1500
[admin@MikroTik] interface> set 0
disabled mtu name rx-rate tx-rate
[admin@MikroTik] interface> set 0 mtu=1200
[admin@MikroTik] interface> set wlan1 mtu=1300
[admin@MikroTik] interface> print
Flags: X - disabled, D - dynamic, R - running
#   NAME                TYPE             RX-RATE  TX-RATE  MTU
0   R Public            ether            0         0
1200
1   R Local              ether            0         0
1500
2   R wlan1             wlan             0         0
1300
[admin@MikroTik] interface>

```

```

    ,
    [Tab]
    bash shell UNIX.
    ,
    [Tab]
    ,
    :
    /inte[Tab]_ /interface _
    ,
    ,
    :
    /interface set e[Tab]_ /interface set ether_
    [Tab]

```

```
[admin@MikroTik] > interface set e[Tab]_
[admin@MikroTik] > interface set ether[Tab]_
[admin@MikroTik] > interface set ether[Tab]_
ether1 ether5
[admin@MikroTik] > interface set ether_
```

[Tab]

```
firewall NAT ). ( , , , IP
```

```
[admin@MikroTik] > pi 10.1 c 3 si 100
```

```
[admin@MikroTik] > ping 10.0.0.1 count 3 size 100
```

[Tab] IP DNS

```
, IP , DNS ( IP ),
, DNS ( IP ).
```

DNS [Tab]

```
[admin@MikroTik] > interface x[TAB]_
```

```
[admin@MikroTik] > interface export _
```

```
[admin@MikroTik] > interface mt[TAB]_
```

```
[admin@MikroTik] > interface monitor-traffic _
```

-
?([Tab],
).

```
[admin@MikroTik] > interface print
Flags: X - disabled, D - dynamic, R - running
#   NAME           TYPE      MTU
0   R ether1       ether     1500
1   R ether2       ether     1500
2   R ether3       ether     1500
3   R ether4       ether     1500
[admin@MikroTik] > interface set 0,1,2 mtu=1460
[admin@MikroTik] > interface print
Flags: X - disabled, D - dynamic, R - running
#   NAME           TYPE      MTU
0   R ether1       ether     1460
1   R ether2       ether     1460
2   R ether3       ether     1460
3   R ether4       ether     1500
[admin@MikroTik] >
```

print, set, remove, add, find, get, export, enable, disable, comment, move .

print -
, /system clock print , **ip route print**
...
read-only / (
/system history
) , **print**

print

• **from -**

• **brief - print**

• **detail - print property=value**

• **count-only -**

- **file** - ftp
- **interval** - print
- **oid** - oid, SNMP
- **without-paging** - , [Shift]+[Tab]

print

```
[admin@MikroTik] interface> print type=ether
Flags: X - disabled, D - dynamic, R - running
#  NAME                TYPE          RX-RATE  TX-RATE  MTU
0  R isp1              ether         0         0
1500
1  R isp2              ether         0         0
1500
[admin@MikroTik] interface>
```

set -

```
set
? [Tab]
set
( )
( )
```

add -

```
set,
```

,

,

set

- **copy-from** - , , (-) ,
 - **place-before** -
- move**

• **disabled** - () () / ()

• **comment** -

add

add

remove - ()

remove

() () () .

move -

move ;

print

move.

move

• ()

• ,

find - find

set,

print.

find

flag

,

yes no

print.

find

edit -

set,

:

```
[admin@MikroTik] ip route> print
Flags: A - active, X - disabled, I - invalid, D - dynamic,
C - connect, S - static, r - rip, b - bgp, o - ospf, d - dynamic
#   DST-ADDRESS      G GATEWAY      DISTANCE  INTERFACE
0 ADC 1.1.1.0/24
1 A S 2.2.2.0/24      r 1.1.1.2      0         isp2
```

```
2 ADC 3.3.3.0/24 bonding1
3 ADC 10.1.0.0/24 ispl
4 A S 0.0.0.0/0 r 10.1.0.1 0 ispl
[admin@MikroTik] ip route> edit 1 gateway
```

[Ctrl]+[X].

[Ctrl]+[X].

```
[admin@MikroTik] ip route>[Ctrl]+[X]
[Safe Mode taken]
```

```
[admin@MikroTik] ip route
```

F /system history:

```
[admin@MikroTik] ip route>
[Safe Mode taken]
```

```
[admin@MikroTik] ip route add
[admin@MikroTik] ip route /system history print
Flags: U - undoable, R - redoable, F - floating-undo
ACTION BY POLICY
F route added admin write
```

```
telnet , (TCP 9 )
```

[Ctrl]+[D]

```
[admin@MikroTik] >
Hijacking Safe Mode from someone - unroll/release/don't take it [u/r/d]:
[u] -
```

[r] -

```
[admin@MikroTik] ip firewall rule input
[Safe mode released by another user]
```

[d] -

(
[Ctrl]+[X]
)