

Telnet Server and Client

Document revision 2.1 (Mon Jul 19 07:31:04 GMT 2004)

This document applies to V2.9

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General Information

Summary

MikroTik RouterOS has a build-in Telnet server and client features. These two are used to communicate with other systems over a network.

Specifications

Packages required: *system*

License required: *level1*

Home menu level: */system, /ip service*

Standards and Technologies: [Telnet \(RFC 854\)](#)

Hardware usage: *Not significant*

Related Documents

- [Package Management](#)
- [System Resource Management](#)

Telnet Server

Home menu level: */ip service*

Description

Telnet protocol is intended to provide a fairly general, bi-directional, eight-bit byte oriented communications facility. The main goal is to allow a standard method of interfacing terminal devices to each other.

MikroTik RouterOS implements industry standard Telnet server. It uses port 23, which must not be disabled

on the router in order to use the feature.

You can enable/disable this service or allow the use of the service to certain IP addresses.

Example

```
[admin@MikroTik] ip service> print detail
Flags: X - disabled, I - invalid
 0 name="telnet" port=23 address=0.0.0.0/0

 1 name="ftp" port=21 address=0.0.0.0/0
 2 name="www" port=80 address=0.0.0.0/0
 3 name="hotspot" port=8088 address=0.0.0.0/0
 4 name="ssh" port=65 address=0.0.0.0/0

 5 X name="hotspot-ssl" port=443 address=0.0.0.0/0 certificate=none
[admin@MikroTik] ip service>
```

Telnet Client

Command name: */system telnet [IP address] [port]*

Description

MikroTik RouterOS telnet client is used to connect to other hosts in the network via Telnet protocol.

Example

An example of Telnet connection:

```
[admin@MikroTik] > system telnet 172.16.0.1
Trying 172.16.0.1...
Connected to 172.16.0.1.
Escape character is '^]'.

MikroTik v2.9
Login: admin
Password:

MMM      MMM      KKK      TTTTTTTTTTT      KKK
MMMM     MMMM     KKK      TTTTTTTTTTT      KKK
MMM MMMM MMM III  KKK  KKK  RRRRRR   000000   TTT   III  KKK  KKK
MMM MM  MMM III  KKKKK  RRR  RRR  000 000   TTT   III  KKKKK
MMM      MMM  III  KKK  KKK  RRRRRR   000 000   TTT   III  KKK  KKK
MMM      MMM  III  KKK  KKK  RRR  RRR   000000   TTT   III  KKK  KKK

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Terminal unknown detected, using single line input mode
[admin@MikroTik] >
```