

Telnet Server and Client

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This document applies to V3.0

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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*

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. See the **System Services** manual for the detailed instructions.

Telnet Client

Command name: */system telnet*

Description

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

Property Description

(*IP address*) - IP address of the Telnet server to connect to

(*port*; default: **23**) - TCP port to connect to (if differs from the standard TCP port 23). May be useful to connect to SMTP or HTTP servers for debugging purposes

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      TTTTTTTTTTTT      KKK
MMMM     MMMM     KKK      TTTTTTTTTTTT      KKK
MMM MMMM MMM III KKK KKK RRRRRR      OOOOOO      TTT      III KKK KKK
MMM MM  MMM III KKKKK RRR RRR OOO OOO      TTT      III KKKKK
MMM      MMM III KKK KKK RRRRRR      OOO OOO      TTT      III KKK KKK
MMM      MMM III KKK KKK RRR RRR      OOOOOO      TTT      III KKK KKK

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