Speed Test

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Introduction

The Speed Test is an easy test tool for measuring ping, jitter, TCP and UDP throughput from one MikroTik device, to another. The "speed-test" command is based on the Ping Tool and Bandwidth Test. In order to use this command - Bandwidth test server needs to be accessible.

General interface properties

The speed-test is based on five configurable properties:

- address IP address of host;
- connection-count If a device has more than 20 cores core count will be used (default is 20);
- password Password for the remote device;
- test-duration Duration for each test (By default: 5 tests * 10 sec duration + 1 sec pause between each test = 55sec);
- user Remote device username;

Configuration Example

Bandwidth and speed tests should be conducted through the devices, not on them to ensure real-life simulation and not to overload the CPU on the devices under testing,(DUT) due to the traffic generating process.

To run a simple test from device A (192.168.88.1) to device B (192.168.88.2):

If any of device CPU utilization during test reaches 100% warning message will appear:

"test-duration" parameter allows changing the duration of all of the 5 tests:

-) Ping test with 50ms delay
-) TCP receive
-) TCP send

-) UDP receive
-) UDP send