

IP Traffic Test & Measure

Traffic Generator Parameters

Unitary Testing Mode: each connection may be configured individually

Mode 1: Using the Internal Data Generator

Step 1: Select the traffic generator type
First of all, select the traffic generator which is going to be used on this connection.

Packets Generator Parameters
Packets number (0 to 99,999,999) (0 = infinite value)

Packet Contents (00 to FF hexa byte)

Fix
 Random min max
 Alternate value-1 value-2
 Increasing / Decreasing min max step

Law : data volume to send

Mathematical law
 Uniform law
 Range : [9.77 KB , 2.38 MB]

File to send

Loop counter (1 to 99) Idle time between each loop (0 to 99 s)

Step 2: Specify Data size and packets parameters
In this step, define Data Size and packets parameters as well as the delay between each sent packet.

TCP or UDP Data Size (1 to 65,535 bytes)

Fix
 Random min max
 Alternate size-1 size-2
 Increasing / Decreasing min max step

Inter Packet Delay (0 to 9,999 ms)

Fix (See Forewarnings menu please)
 Random min max
 Alternate value-1 value-2
 Increasing / Decreasing min max step
 Mathematical law

Step 3 (Optional): Activate a throughput limit
When one of these two options is selected, "IP Traffic - Test & Measure" generates the traffic in best effort to respect the throughput chosen.

Mean Throughput (8 to 999,999 Kb/s)
 Use value Inter Packet Delay automatically adjusted by IP Traffic TCP or UDP Data Size automatically adjusted by IP Traffic

Mean Packet Throughput (1 to 99,999 Pkts/s)
 Use value (only for UDP connection)

Mode 2: Using the External Data Source Generator (User file or User DLL)
 Filename Loop counter Idle time between each loop (sec)

Options

Timecode (RTT) option
If RTT is activated when using Mode 1, the minimum "Data Size" defined in Step2 must be greater 26 bytes. Yes No

Tos (1 hexa byte) Value **Time To Live (TTL)** Value

Save incoming data traffic (needs remote in echo mode)

Save generated traffic into file (only data are saved)

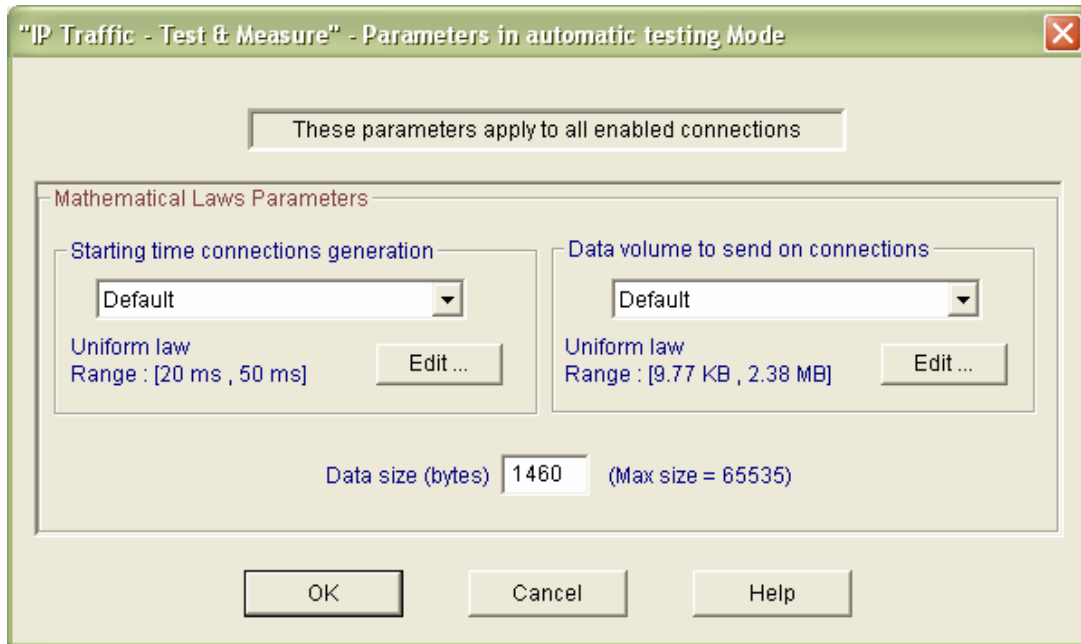
Unitary testing parameters window



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Traffic Generator Parameters

Automatic Testing Mode: parameters set apply to all enabled connections



Automatic testing parameters window

