ByteBlower Endpoint

Add-on Traffic Generator

Datasheet

Supported devices

Operating system	Android	Apple iOS	Microsoft Windows	MacOS	Linux
Minimum version	7.0	9.3	Windows 7	High Sierra 10.13	Debian 10 Ubuntu 14.04

Features and benefits

Generic features

Real-world network behavior on the transport layer.

One client can control multiple ByteBlower Endpoints.

Packet loss measurements.

Latency, latency distribution and jitter measurements.

Testing NAT-ed devices.

WMM (Wi-Fi Multimedia) support.

User interaction features

Time-saving and intuitive platform-independent graphical user interface (GUI).

Scheduled execution using batches.

Import of PCAP files.

Full control of start and stop times of each flow.

Automated project creation using wizards.

Automatic frame creation and addressing or control at bit level.

Clear report in HTML and in Microsoft® Excel or CSV format.

Automatic project backup.

RFC2544

Low cost of ownership and ease of use, everything included.

Automation

Execution of GUI configurations from command line.

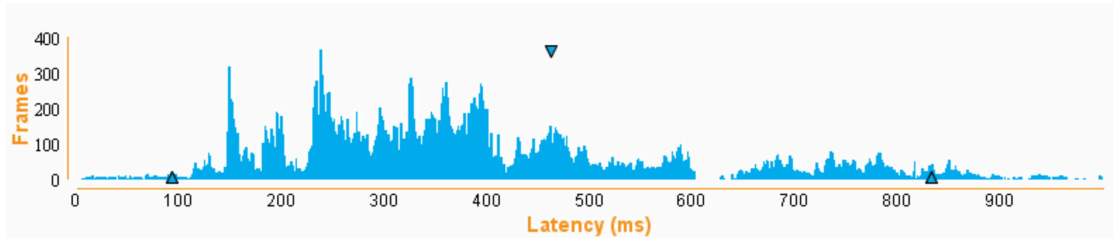Fully flexible scripting capabilities with platform independent Tcl API or Python API.

Any questions?
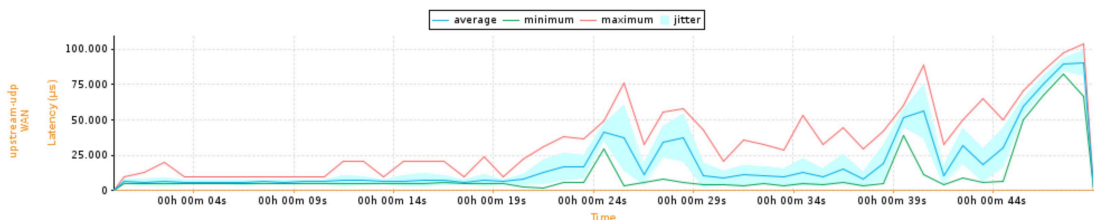
Contact us:
support.byteblower@excentis.com

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Generation & analysis

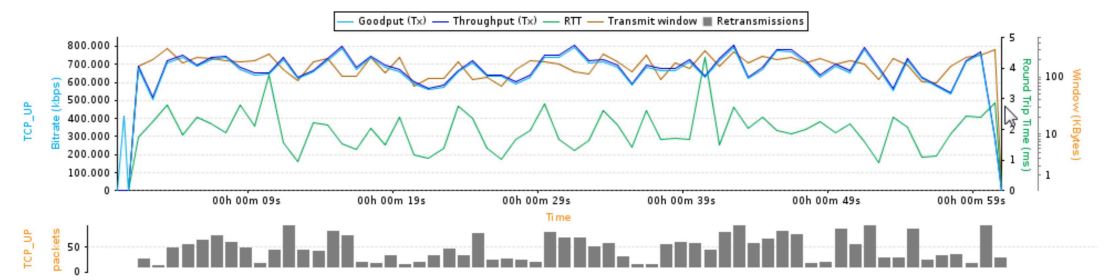|	
Frame size with CRC	64 — 1518 bytes

Flow statistics

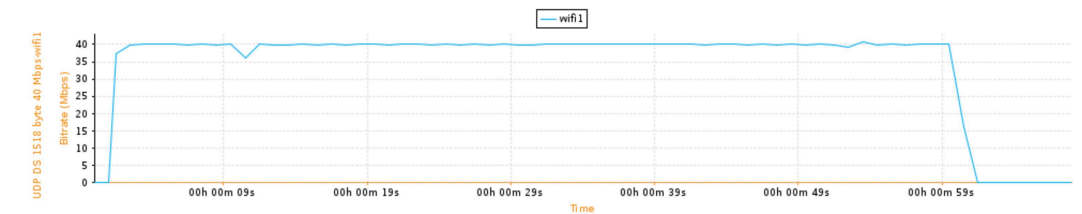### Latency distribution

Latency over time

TCP throughput over time

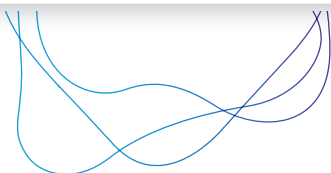
Frameblasting throughput over time

Protocols

UDP
TCP

Features

Import PCAP frames

Supported devices

Our solution is device independent. It should work on all devices running the one of the supported OSes, but our solution is tested and guaranteed on the below mentioned selection.

	Android®	Apple iOS®	Microsoft Windows®	Apple MacOS®
Supported devices	Samsung Galaxy S6/S7/S8/S10/S20/S21	iPhone 8/11/12/13	Dell Lattitude 5570 running Windows 10 professional	MacBook Pro 2017
	Samsung Tab S2 10.1	iPad Air 2/4	Microsoft Surface Pro 9	MacBook Pro 2023
	Samsung Tab S7			

		Android®	Apple iOS®	Microsoft Windows®	Apple MacOS®	Linux®
Results over time (graph, table)	TCP out	✅	✅	✅	✅	✅
	TCP in	✅	✅	✅	✅	✅
	UDP out	✅	✅	✅	✅	✅
	UDP in	✅	✅	✅	✅	✅
Configurable session start and duration		✅	✅	✅	✅	✅
Current RSSI feedback		✅	❌	✅	✅	✅
Configurable TCP window		✅	✅	✅	✅	✅
WMM support (TOS/DSCP)	TCP out	⚠️ Supported values are device dependent				
	TCP in	✅	✅	✅	✅	✅
	UDP out	⚠️ Supported values are device dependent				
	UDP in	✅	✅	✅	✅	✅
L4S TCP Prague	L4S out	❌	❌	❌	❌	✅
	L4S in	❌	❌	❌	✅	✅

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Client software

		Microsoft Windows®	Apple MacOS®	Linux®
Client software	GUI	✅	✅	✅
	Tcl API	✅	✅	✅
	Python API (2.7/3.x)	✅	✅	✅

Get the most out of your ByteBlower.

"The training was very practice-oriented and helped us successfully kickstart test automation using the ByteBlower test framework."

ByteBlower

test framework

Workshop:
Test Automation for Developers with ByteBlower

Learn more
training@excentis.com

Customer centric

Built primarily on clear test requirements provided by our MSO customers.

Flexible

Open source

Accessible and effective for both test developers and test engineers/executors.

Quick to set up and use

Minimal boiler plate code needed to start

Fully built-in cases library

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