

IP QoS Tester

Measurement of QoS (Quality of Service) parameters over IP networks

Product information

Product

- Software (Windows or Linux)
- Hardware ⁽¹⁾

Applications

- QoS measurement for existing networks
- QoS measurement for new networks
- QoS measurement for LAN and WAN
- Network malfunction tracking
- Network equipment benchmarking

Measured QoS parameters (on packets or datagrams)

- loss
- corruption
- delay
- jitter
- re-ordering

Operating modes to measure the QoS parameters of the network connection between machine A and B

- Sender on machine A, Receiver on machine B
- Sender and Receiver on machine A, Reflector on machine B

⁽¹⁾ Hardware (PC) may be supplied as an option



Available for Windows and Linux

Sender application window showing settings for Sender and Receiver, including IP addresses, ports, number of datagrams to send, packet size, and synchronization with NTP server.

Reflector application window showing settings for Reflector and Receiver, including IP addresses, ports, and status 'Reflecting...'. Buttons for Start Reflecting, Stop Reflecting, Help, and Exit are visible.

Receiver application window showing settings for Receiver and Sender, and a Statistics section with various QoS parameters like delay, jitter, and lost datagrams.

IP QoS Tester is a very easy solution to measure the most important parameters concerning Quality of Service (QoS) over IP networks.

IP QoS Tester is a solution containing three applications:

- the Sender application
- the Receiver application
- the Reflector application

The Sender application sends UDP packets to the Receiver application (identified by its IP address and its user-defined port number).

Between the Sender and Receiver applications, the Reflector application can serve as an intermediary by reflecting the data it receives towards another machine.

The user can choose the packets size and the number of packets to send during a test.

If the size of a datagram is greater than the MTU (Maximum Transmission Unit), then Sender and Receiver work on a datagram basis (instead of a packet basis).

The Receiver checks the received packets or datagrams and measures the most important parameters concerning QoS:

- Packet (or datagram) loss: number of lost packets (or datagrams) and percentage of lost packets (or datagrams)
- Packet (or datagram) corruption : number of corrupted packets (or datagrams) and percentage of corrupted packets (or datagrams)
- Packet (or datagram) delay
- Packet (or datagram) jitter
- Packet (or datagram) reordering

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An easy-to-use solution for QoS measurement