IP QoS Monitor

Monitoring of QoS (Quality of Service) for both real and simulated traffic over IP networks

Product information

Product

☑ Software (Windows)
☐ Hardware [1]

Applications

☑ QoS monitoring of IP networks
☑ QoS monitoring of real traffic
☑ QoS monitoring of test traffic
☑ Network malfunction tracking
☑ Network equipment benchmarking
☑ Remote monitoring and reporting of QoS

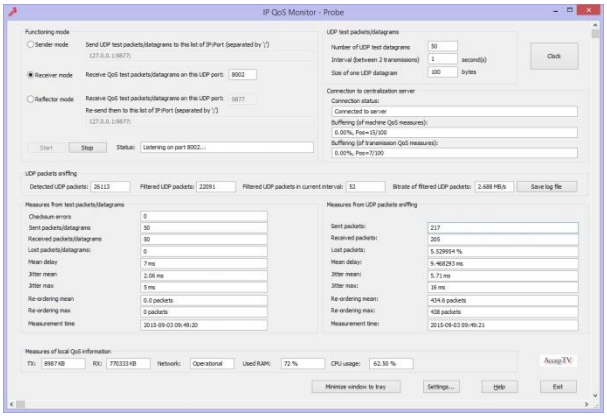
Measured QoS parameters (on packets or datagrams)

☑ loss
☑ corruption
☑ delay
☑ jitter
☑ re-ordering
☑ CPU usage
☑ RAM usage

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 suppied as an option



IP QoS Monitor is a flexible and scalable solution to monitor the most important parameters concerning Quality of Service (QoS) over IP networks.

IP QoS Monitor is a solution containing two applications:

- The probe
- The centralization server

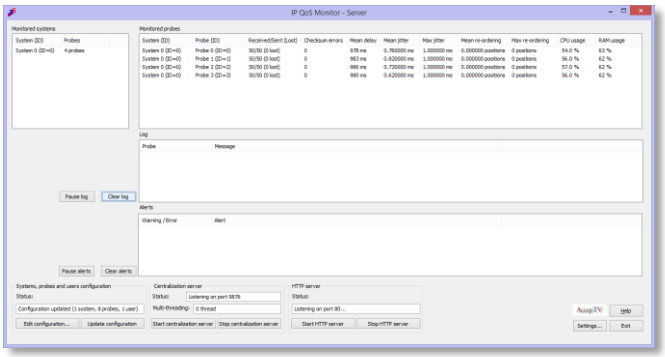
Each probe can work in three different modes:

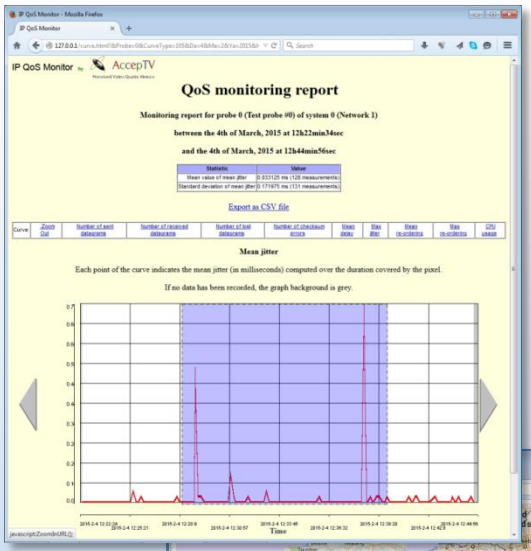
- Sender mode
- Receiver mode
- Reflector mode

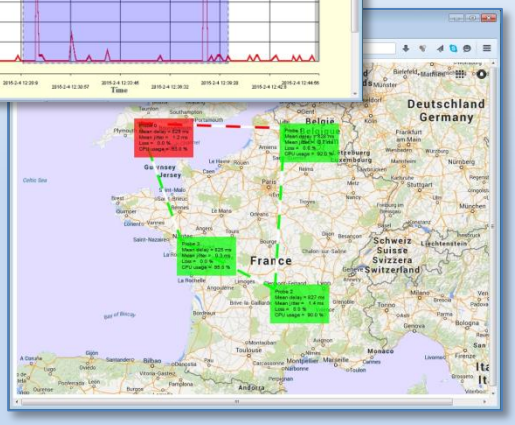
In Sender mode, the probe can **simulate UDP traffic** by sending test packets to a probe working in Receiver mode.

The Sender and Receiver probes can also sniff **real UDP traffic** and compare the UDP packets which were sent and the ones which were received.

At last, a probe in Reflector mode can be inserted between a Sender probe and a Receiver probe to serve as an intermediary by reflecting the data it receives from the Sender towards the Receiver.







For both real and simulated traffic, the Receiver checks the received packets or datagrams and measures the most important parameters concerning QoS:

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

At last, the centralization server receives all the measures computed by all the probes and provides:

- interactive curves and statistics in real time
- interactive curves and statistics between 2 dates and times
- real time maps showing the QoS of the probes (here: a map of France with 4 probes)

Real time maps can use any user-defined image for the background (or a list of images for an animated background).

You can create up to 100 maps, each map displaying up to 100 probes. Maps display QoS values in real time and for each probe. They simulate data flows between probes and use colors to indicate warnings and errors.

A flexible and scalable solution for QoS monitoring

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IP QoS Monitor

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Features

IP communications

- Test packets sent with UDP
- Sniffing of UDP packets
- Fingerprints of UDP packets sent with UDP or TCP (user-chosen)
- Measures sent with TCP

Features

- Remote viewing of animated maps showing the network probes in real time
- Curves and statistics between 2 user-chosen dates and times
- Export of measures in CSV format
- GUI and command line usage
- Integrated HTTP server in centralization server
- Can work silently (minimized to tray)

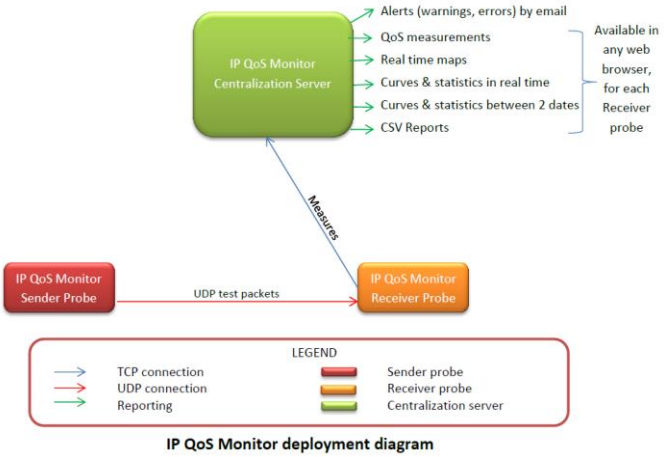
Alerts

- Alerts are triggered when a QoS parameter (like delay, packet loss, CPU usage, etc) goes beyond a user-defined threshold for a user-defined duration
- Two types of alerts: warning and errors (using different thresholds and duration)
- Up to 1000 users can define their own alerts parameters

Scalable monitoring

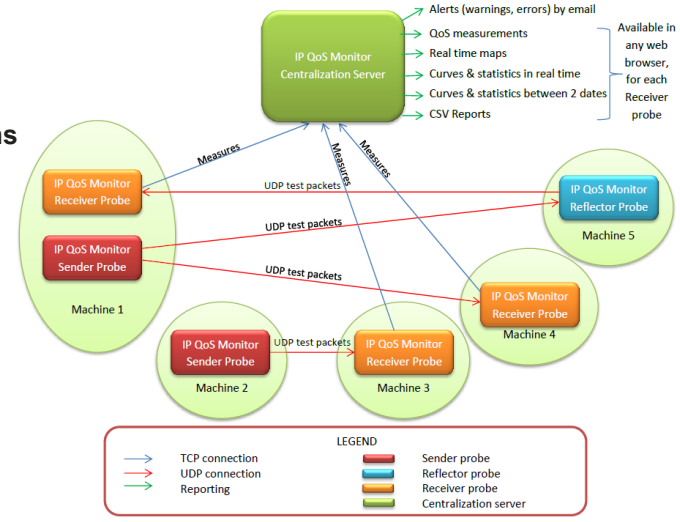
- From 1 to 1000 monitored machines
- From 1 to 1000 users
- For more machines or more users, please contact us

From simple monitoring…



IP QoS Monitor deployment diagram

…to more complex applications



IP QoS Monitor deployment diagram

IP QoS Monitor's centralization server can **monitor from 1 to 1000 probes** (in its standard version, if you need more, just tell us).

Therefore, IP QoS Monitor can be used for most types of IP network: it can monitor QoS for networks ranging **from corporate networks to very small networks**.

And thanks to its modular architecture based on different types of probes, IP QoS Monitor can be **easily adapted to your network architecture**.

Moreover, IP QoS Monitor probes and servers are fast and a single PC can easily run several probes and/or several centralization servers. And a single Sender probe or Reflector probe can send test packets to multiple Receiver probes.

Therefore:

- to monitor the Quality of Service of your network
- to receive alerts when problems happen
- and to browse past measurements

…ask for an evaluation version of IP QoS Monitor now!

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