DIGITAL NETWORKS

Network Quality Monitoring Software

Net-Q-Mon – continuous monitoring of the current network parameter

Testing available network connections is becoming daily business. But what is the connection that suits best the desired application?

Net-Q-Mon gives you the answer!

With the Net-Q-Mon software it is possible to continuously test and compare all currently available network connections parallel in an application oriented way. Thus, the user can always choose the best suited network.

In a typical configuration it is regularly checked in the background for every network interface whether, for example, secure email communication is available, a file transfer is fast enough, or a critical application, like “audio/video over IP”, can be used in a meaningful manner. Furthermore information like network delay are very useful especially for video journalists.

As a result the extend and quality is automatically and clearly displayed to the professional or layman.
Net-Q-Mon can be integrated into existing servers and can be customised to any specific user- and working-scenarios.

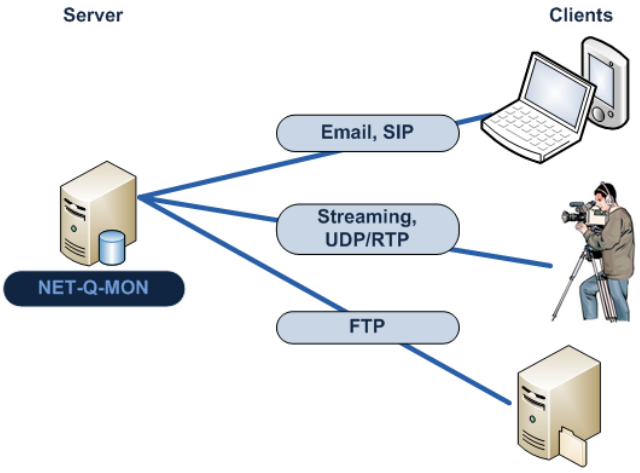

Fig.1: Fields of application

The client software permits to test the accessibility of individual, free configurable servers like http, ftp, SIP and email, and to monitor the quality of the server’s network connection to the client. With the help of IRT’s server software, which is installed at a representative location in the network, detailed analysis of the network quality is simultaneously enabled for many clients. Thus, a reliable and exact end-to-end measurement for all applications can be ensured.

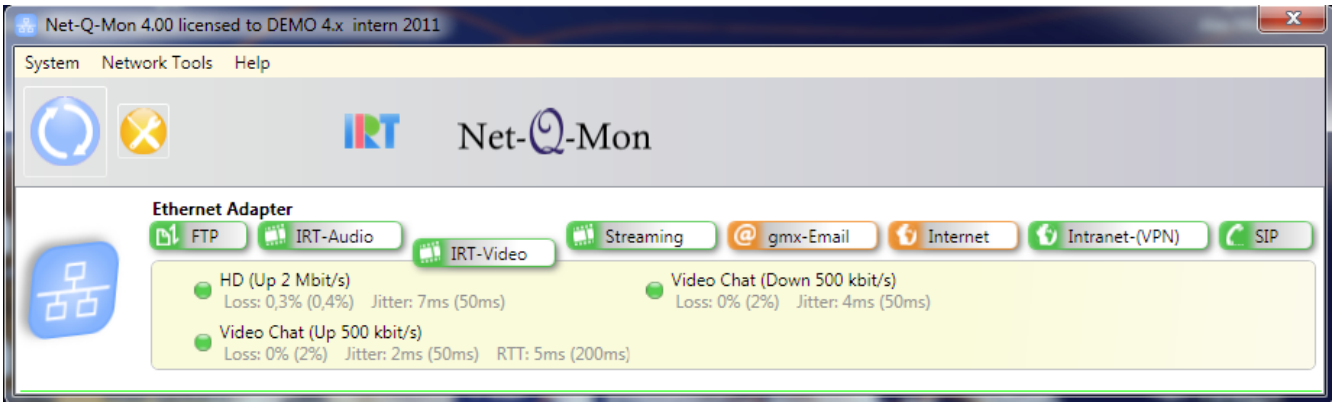

Fig.2: Graphical user interface of the Net-Q-Mon client software (customizable)

Features

- Streaming performance analysis
- SIP-Gateway availability check
- FTP-, email- and web protocol support
- Quick overview over network possibilities via functional status lists, comprehensive technical details are quickly available if required
- Optimized measuring methods deliver accurate results also in critical areas (e.g. streaming)
- Intuitive use of the client software – not only for IT experts
- Secure control communications via SSL
- Integration of the client software in own products possible
- Client software can be operated in the background in minimised mode, and retrieve periodically new measurements
- Graphical presentation of recent network test results per test profile
- Simple calculation of download and upload times for files by drag'n'drop
- Direct FTP-transfer directly by the client or by triggering 3rd party file transfer solutions
- Test results are also available summarised for all clients at the server via the integrated website (incl. export function) and log files
- Separate presentation of the up/download data rates to the configured FTP-servers
- Graphical toolbox for the regularly used network commands (from ipconfig to nslookup etc.)
- Create your own measurement profiles for testing different audio- and video transmission scenarios (from web radio up to video live contributions)

System requirements

- Windows XP or 7, Server 2008
- ≥ dual core processor (x86-based, ≥ 2 GHz)
- Server: with USB-port
- ≥ 2 GB RAM
- .Net 3.5 SP1

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