PAESSLER

PRTG Traffic Grapher monitors and categorizes data traffic within a network to provide accurate results about network traffic and usage trends. It displays the results in various easy to read graphs and tables, and can easily be customized and adapted to your needs.

PRTG Traffic Grapher

Bandwidth and Network Usage Monitoring Made Easy

PRTG Traffic Grapher is an easy to use Windows software for monitoring bandwidth usage as well as various other network parameters like memory and CPU utilization. It provides system administrators with live readings and periodical usage trends of leased lines, routers, firewalls, servers, and many other network devices.

Monitoring Helps You to Optimize Your Network

With PRTG Traffic Grapher you will receive bandwidth and network usage data that helps optimize the efficiency of your network. Understanding bandwidth and resource consumption is the key to better network management:

- » *Avoid bandwidth and server performance bottlenecks*
- » *Find out what applications or servers use up your bandwidth*
- » *Plan upgrades of your infrastructure strategically*
- » *Deliver better quality of service to your users by being proactive*
- » *Reduce costs by buying bandwidth and hardware according to actual load*

How Network and Bandwidth Usage Monitoring Works

PRTG Traffic Grapher runs on a Windows machine in your network for 24 hours every day and constantly records the network usage parameters. The recorded data is stored in an internal database for later reference.

Using an easy to use Windows interface you can configure the monitored sensors as well as create usage reports. For remote access PRTG Traffic Grapher comes with a built-in web server to provide access to graphs and tables.

All Common Methods for Network Usage Data Acquisition are Supported

- » *SNMP: Simple Network Management Protocol is the basic method of gathering bandwidth and network usage data. It can be used to monitor bandwidth usage of routers and switches port-by-port as well as device readings like memory, CPU load, etc.*
- » *Packet Sniffing: With its Packet Sniffer PRTG can inspect all network data packets passing a network card. You can monitor either only the traffic of the machine running PRTG or all network*

Screenshot 1: **PRTG's main screen with graphs of selected sensors**
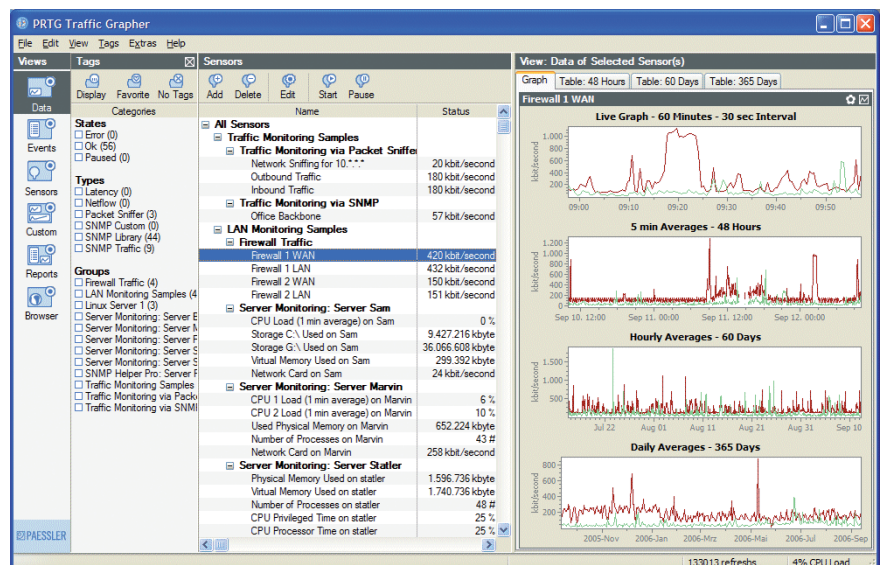
traffic by using a switch with a »monitoring« port.
» *Netflow: The NetFlow protocol is supported by most Cisco routers to measure bandwidth usage. Although being the most complex type to set up it is also the most powerful method suitable for high traffic networks.*

The Windows application works with most network products from Cisco, HP, 3Com, Linksys, Nortel, etc., and with various other devices (e.g. Windows PCs or network printers).

Base Features

» *Supports data acquisition via SNMP, packet sniffing, or NetFlow protocol*
» *Classifies network traffic by IP address, protocol, and other parameters*
» *Works with most switches, routers, firewalls, and other network devices*
» *Easy installation with a few clicks on Windows 2000/XP/2003/Vista*
» *Runs as »NT-Service«*
» *Monitoring engine is capable of monitoring up to several thousand sensors*

Windows and Web Based User Interface

» *Monitoring data can be accessed via a Windows GUI and a web based front end*
» *Intuitive user interfaces for data retrieval and configuration*
» *Integrated web server for remote access (no external web server necessary)*
» *Results are shown in various graphs and tables*
» *Graphs are always generated on-the-fly for live reporting*
» *Languages: English, German*

Monitoring Database

» *Internal database for fast and efficient storage of historic data*
» *Optional export of monitoring results into CSV files for custom reporting*
» *Database offers optional zipped backup and purging of old data*

Internal Web Server

» *Easy to use navigation allows to drill into the live monitoring results*
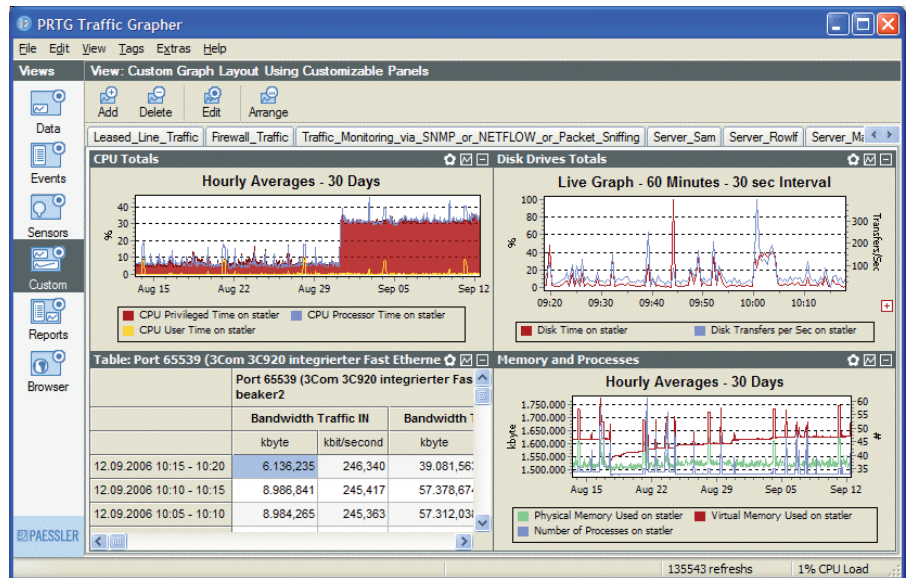
Screenshot 2: **Users can customize the screen layout**

» *Fully »skinable« web interface using HTML templates (several default skins included)*
» *Web server supports public (anyone can view the data) as well as authenticated access (username/password required) for multiple users*

Reports

» *Configurable reports (graphs and data tables) in HTML, Excel, TIFF, RTF or PDF format*
» *Daily, monthly, and yearly reports can be exported via email or saved to file*
» *x% percentile calculation for any percentile value, any interval, and any time frame*
» *Includes a billing system for bandwidth based billing*

Notifications

For each sensor individual email notifications can be configured that notify about:

» *Errors (e.g. device is not reachable)*
» *Reaching traffic limits (e.g. more than x MB transferred per day or month)*
» *Reaching traffic or usage thresholds (e.g. more than 700kbit/s bandwidth for more than one hour)*

SNMP Related Features

» *Monitors any value that is accessible by SNMP (i.e. any given OID Object ID)*
» *Brings its own extensive OID database with many preconfigured SNMP settings (e.g. for CPU loads, disk usages, printer pagecounts, environmental monitoring, and many more)*
» *Includes »Paessler SNMP Helper« library for easy access to performance data on Windows based machines via SNMP*
» *Various SNMP parameters (e.g. port, timeout) can be set by the user*

System Requirements

» *Windows 2000/XP/2003/Vista*
» *64 MB RAM (128 MB and more recommended)*
» *20 MB disk space for installation*
» *TCP/IP Network Connection*

Freeware & Commercial Editions

The Freeware Edition for personal and commercial use supports 3 sensors. Commercial Editions start at $ 295,00 / € 195,00 and can be ordered at: www.paessler.com/order

» *Thanks for the best network monitoring program that I have installed out of at least 50 downloaded! «*
Alan Laws, www.horizontech.net

PAESSLER®
the network monitoring company

www.artur-design.de