



# Capsa

Real-time Portable Network Analyzer

**Datasheet**

## Colasoft Capsa Enterprise enables you to:

Identify the root cause of performance issues;

Provide 24/7 surveillance over your networks;

Enhance network security;

Get real-time alarms of application violating your rules;

Discover performance bottlenecks, thus improve network performance;

Speed up your existing network problem detection and resolution process;

Increase ROI on existing networks;

Save time dealing with urgent network issues;

Reduce loss caused by network downtime and service degradation;

Reduce network management cost.

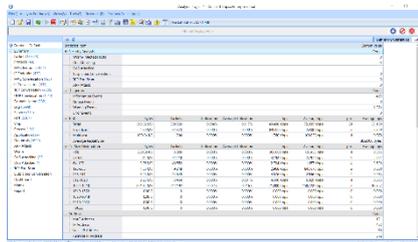
## Capsa Overview

Trusted by both Fortune 500 as well as small and medium-sized companies as their management solution, Capsa Enterprise offers an easy, yet powerful way for wired and wireless network monitoring, analysis and troubleshooting. By providing vivid graphs, informative statistics and real time alerting via a well-designed GUI, Capsa Enterprise allows IT administrators to identify, diagnose, and solve both wired and wireless network problems in real time, monitor user activities on their networks, and ensure their network's communication assets are safe.

### With Capsa Enterprise, IT professionals are able to:

- Real-time and post-event application performance monitoring with alarms for problem identification
- Capture wireless traffic over a single or multiple 802.11 a/b/g/n APs
- Identify and analyze more than 1200 network protocols, as well as network applications based on the protocols
- Monitor network bandwidth and usage by capturing data packets transmitted over the network and providing summary and decoding information about these packets
- View real-time statistics, network bandwidth utilization and reports for flows on single or multiple network segments
- Automatically analyzes TCP transaction flows with intuitive drill down to identify the root cause of performance issues
- Monitor internet, email, web browsing and file sharing, etc., helping keep employee productivity to a maximum
- Diagnose and repair network problems in seconds by detecting and locating suspicious hosts
- Visualize the entire network in an ellipse that shows the connections and flow content between each host

## Comprehensive Traffic Statistics



Capsa provides various network traffic statistical items, including basic statistics, like total traffic, packets, packets per second, bytes per second, network utilization, broadcast and multicast traffic, addresses and protocols, and advanced traffic statistics, like conversations, TCP flag packets, packet size distribution, top statistics, alarms, diagnosis events, uplink and downlink traffic, port based statistics and domain name based statistics, etc.

*“Capsa Enterprise is an enormous, well-engineered, technical and highly professional product that provides almost everything you could want for network and protocol analysis and reporting at a reasonable price.”*

-NetworkWorld.com



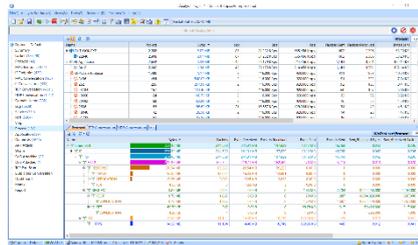
*“Having the right tools on the network is critical to a network administrator's success. In this TechRepublic blog post, IT Jedi Rick Vanover takes a look at the Colasoft Capsa tool for network analytics.”*



*“Wherever and whenever a networking issue arises I am always able to have my Colasoft Capsa on-hand to diagnose, and resolve, complex issues.”*



## Local Process Analysis

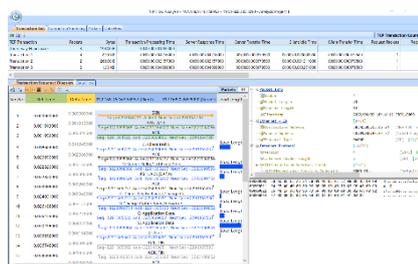


Capsa provides a Process view, which provides traffic statistics for local processes, including total bytes, packets, Bps, bps, pps, path, etc. You can double-click a process to view all packets for that process. Also a Process Explorer is provided to group the processes, listing the process name and process ID in a tree-like structure. A Process column is provided for TCP Conversation view and UDP Conversation view to show the process name of that TCP/UDP conversation, which helps users troubleshoot quickly.

## VoIP Analysis Support

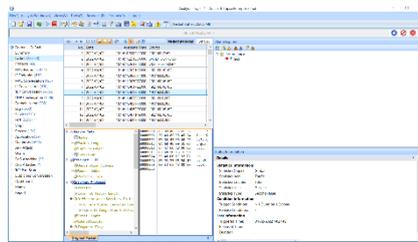
Capsa provides a VoIP analysis module to real-time capture and analyze VoIP calls and graphically display VoIP analysis results. Together with VoIP Explorer and VoIP diagnosis, the VoIP view helps you visualize analysis data and assess voice and video quality, to thereby assist you troubleshooting VoIP networks, software and hardware.

## TCP Transaction Analysis



Capsa presents a comprehensive high-level overview of health of applications on your network. From TCP transaction analysis, you can drill down to gain access to more detailed information, including TCP server/client response time, delay, retransmissions, and further down to the server flow to observe the actual content of the flow. This unparalleled level of control and visibility speeds time to application problem resolution and minimize overall network downtime.

## Timely Alarms



Alarms are a set of rules that monitor or do statistics on the communications of the network. Colasoft Capsa notifies you that a specific activity is violating the alarm rules by pop-up notifications to attract your attention timely.

You can deal with the anomalies at the first place instead of noticing them until great damages. Alarm rules can be created from almost anywhere in the program by any MAC address, IP address and protocol etc. If you are not around, alarm actions are logged and saved to hard disk with groups of top 10 statistics for your later reference.

*“Chances are, if you're in charge of supporting a network of any size, you'll need to look at the actual packets that are passing back and forth across that network. Whether it's to see whether a specific machine is sending or receiving packets as it should, or you want to see the contents of the packets themselves, ...”*

**CrunchGear**

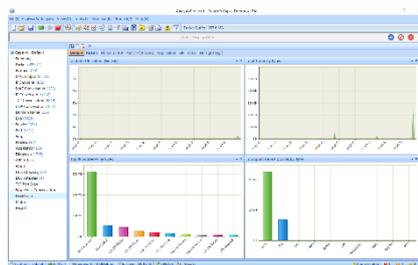
*“As computers become more ingrained in the daily operations of most companies, it seems that running into problems occurs more frequently and with greater consequences. When it comes to computer networks, the key issues are security, speed, and reliability. A newly improved network analyzer called Capsa 6.9 R2, developed by Colasoft Inc., can help companies monitor, detect, and troubleshoot network problems...”*



## Auto-Run Packet Capture

Task scheduler is provided to run a packet capture and analysis at a specified time automatically. This function is designed for the mission to capture packets while the user is away from the network. For example, Capsa can be launched automatically to capture packets at midnight, and the packets can be analyzed later next morning. Capsa can also be scheduled to run capture periodically each day, or specified days of each week. For example, an auto-run packet capture task can be created if it's only needed to analyze network packets between 9:00 and 17:00 from Monday to Friday.

## Powerful Dashboard



Graphs and charts are intuitive and helpful for users to learn whether the network is working normally. The Dashboard allows you to customize and create useful graphs and charts in different panels to get statistics on any MAC address, IP address and protocol, etc., or top statistics of certain

objective. These graphs and charts help you find out anomalies at a glance without any viewing of statistic data. Some charts provide interactive with users, which helps users locate network problems.

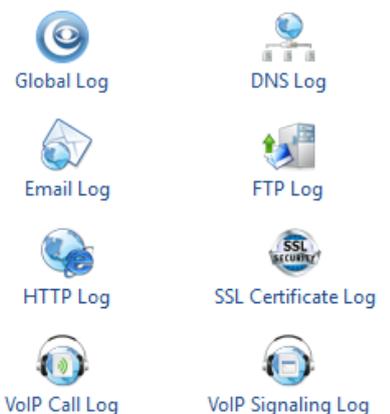
## Complete 802.11 a/b/g/n Support

Wireless networking is overwhelmingly compelling - it's cheap, easy, and portable. As an innovative and high quality network analysis solution for building the latest safe wireless network, Capsa Enterprise helps to measure applications performance, monitor network activities, troubleshoot network problems, and evaluate network security. Capsa Enterprise has been launched with seamless Wi-Fi technology adoption for 802.11 a/b/g/n networks.

## User Activities Logs

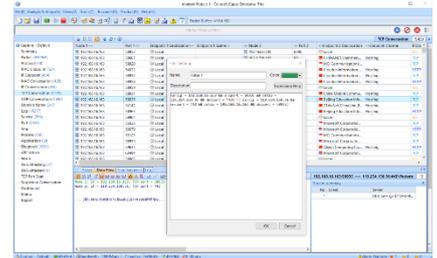
Log is one of the most useful features for Capsa, it is used to monitor and audit the user activities of DNS queries, Emails, HTTP web visit, FTP operations, SSL certification records, VoIP signaling calls and VoIP calls.

All activity logs can be saved to files automatically, and even the content of each email can be saved as well. It provides detailed information and empowers administrators to track and audit common online activities of every user in their wireless networks.



## Easy-to-set, Visualized Filters

Filter is an important way to exclude irrelevant packets. Traditional Network Analyze tool gives only logical command expression or coding type filter. It could be flexible into byte accuracy but very annoying because of the extremely ignorable filter direction issue, and also because the complexity of expression grows higher rapidly upon with the flexibility.



## Featured Customers



Capsa Enterprise gives a visualized filter that users can view the status of filters applied to the project. It reduced the possibility of filter misconfiguration of misapplied direction. And the logic in a visualized way make sense more than only a command line over there. Besides capture filter, Capsa provides display filter which helps you view only interested items.

## Useful and Valuable Built-in Tools

The built-in tools are simple but powerful. Similar to a scalpel, very sharp, but too sharp that could also be dangerous. Some of them will allow user to manipulate the traffic as they like, and some will be able to do a total scan over the entire LAN or initiate a connectivity test to one or multiple specific Point throughout the network.



When using the built-in tools like packet builder, or packet player to manipulate the network traffic, a decent understanding of the current environment and professional knowledge of how TCP/IP over different media works is very important. So, it is ok to see the network by only scan or test, but don't try to manipulate the traffic unless you are an expert.

## About Colasoft



Colasoft has dedicated itself to the development of innovative packet analysis and network performance management solutions since 2001. Besides offering real-time and retrospective network analysis software to organizations of all sizes, we are providing customized network and application performance management solutions to enterprises worldwide. Colasoft is a fast-growing company with more than half million users in over 110 countries. Featured customers include IBM, Dell, Philips, Emerson, and other industry leading companies. A more detailed customer list can be viewed at: <http://www.colasoft.com/company/customer.php>.