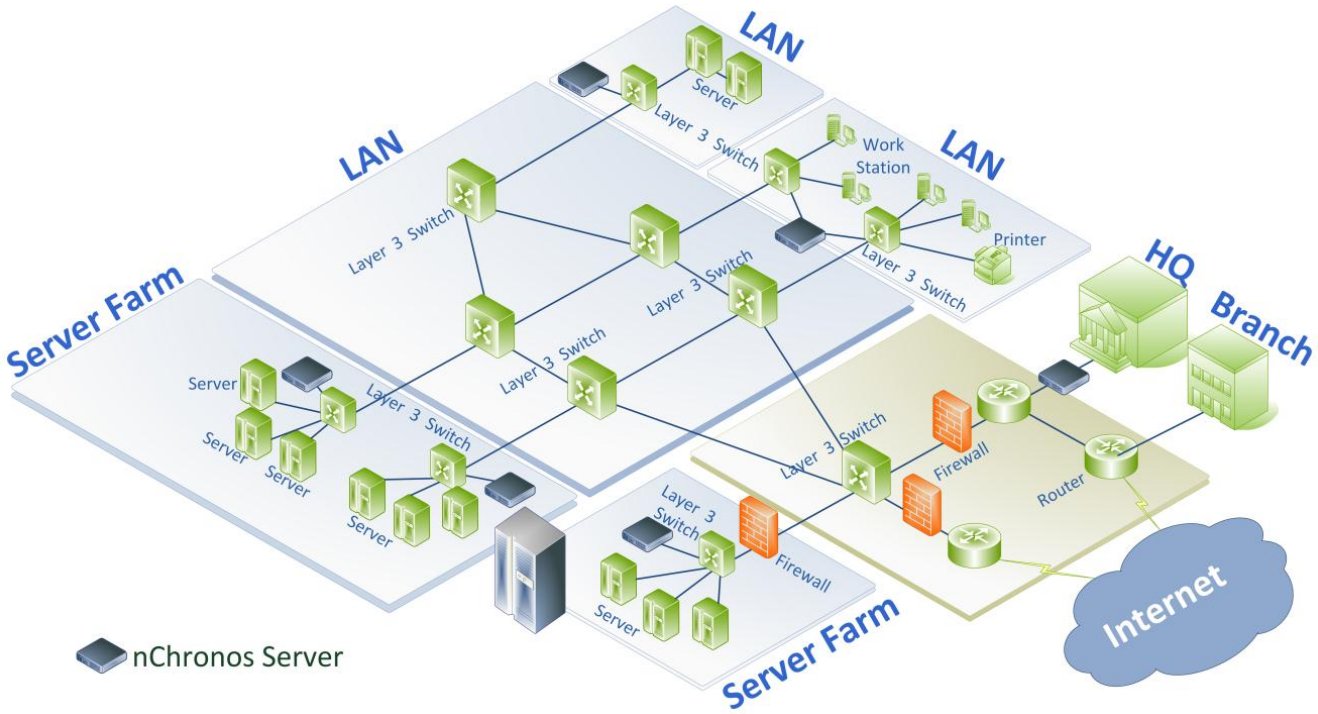
Colasoft®
Maximize Network Value

Colasoft nChronos

Network Performance Analysis Solution

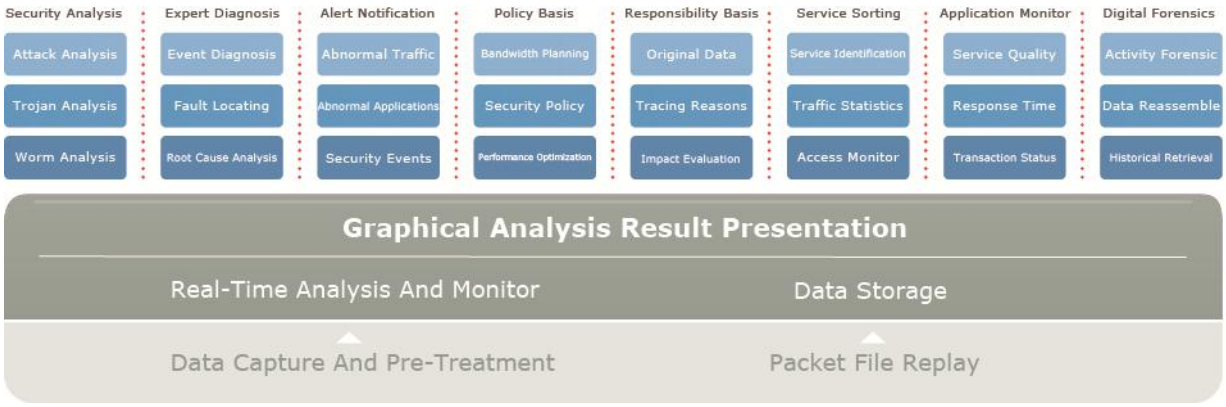
Datasheet

Colasoft nChronos, integrating real-time surveillance with back-in-time analysis, is an enterprise-class network monitoring and performance analysis solution. Designed for 24x7 network packet capture, analysis and storage, dedicated to the sustainable, efficient and safe running of networks, Colasoft nChronos provides a reliable data basis for determining constructive suggestions for enterprise profit growth. Excellent in data drilldown, data tracing and locating, and security forensics, nChronos makes it possible to troubleshoot historical network issues by rewinding and zooming in to any previously recorded time period. This feature saves a tremendous amount of time and effort that would be required to reconstruct network scenarios. Besides troubleshooting network issues, Colasoft nChronos can be also used to evaluate and benchmark long-term network performance along with auditing user activity.



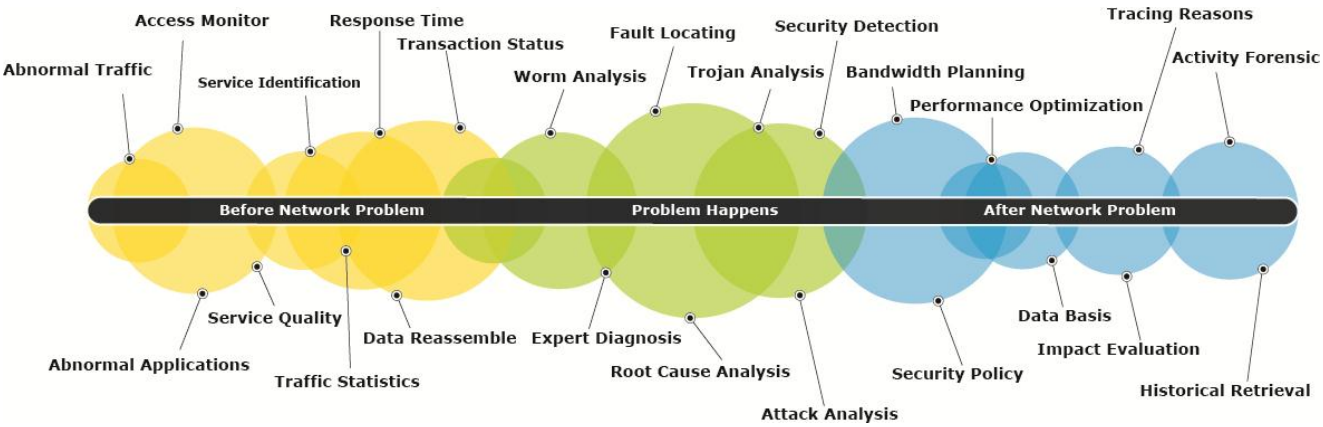
Benefits for Network Engineers

- Identifying - Intelligently analyze critical network traffic in real-time, identify network performance and application anomalies, and abnormal network activities.
- Tracing - Rapid data mining and traffic analysis, accurately analyze and locate the root causes of network faults and security events.
- Troubleshooting - Replay the original network communication data, reproduce how the faults, anomalies and events happen, provide direct proofs for network troubleshooting.



Value and Advantages

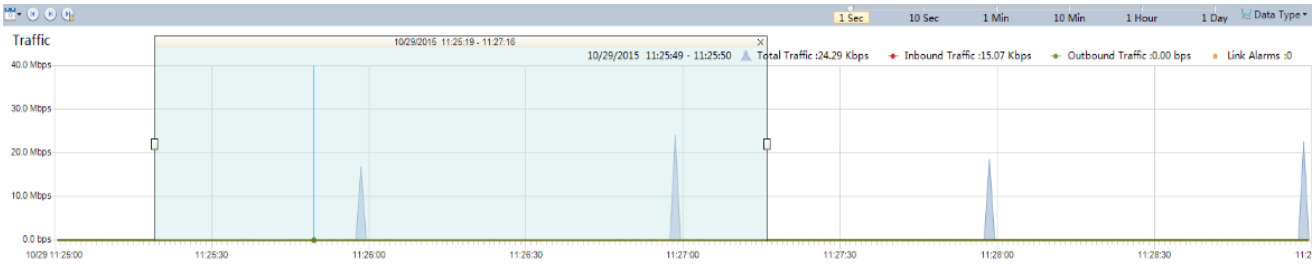
With an analysis performance of up to 20 Gbps, Colasoft nChronos is able to capture large traffic of backbone links in line speed, and to analyze and store the traffic in real-time, and able to monitor several network adapters simultaneously to aggregate the traffic from multiple links. With a storage capacity of hundreds of TB, Colasoft nChronos is able to store the real-time analysis results and packets. Together with a storage filter and splicing storage technology, nChronos is able to store only the interested and useful infor mation, which makes the storage space utilized effectively.



Features

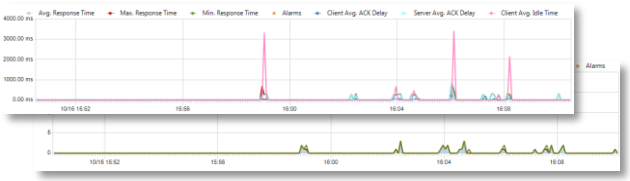
Long-term storage of network data and back-in-time retrieval analysis

With the powerful capture-to-disk packet capture engine, nChronos captures packets on highly-utilized networks and records those packets to hard disk without packet loss. With the huge storage capacity, the original packets, data stream, conversations, application logs, and all analysis statistics can be stored for long term. nChronos is developed with rapid data retrieval and drilldown technologies, making it convenient to retrospectively analyze network activities, application data and host data, to view and retrieve network data of any historical time period. When network problems happen, nChronos can reproduce the original scenario of that time, to thereby provide comprehensive analysis basis for quickly locating the root cause of the problems.



Application performance monitoring and fault location

Colasoft nChronos uses architecture of distributive deployment along with integrated monitor, which is specially for monitoring the enterprise-level network crossing areas with multiple links. nChronos can be deployed at critical links for intensive monitor and comparison analysis, to thereby extensively monitor and manage the whole network from network core to network edges.



- **Application Performance Monitoring**
  24x7 monitor and analyze the application communications of critical services, provide more than 40 application performance parameters, users can view application access performance status at any time, and quickly identify the key factor that impacts the performances.

- **Application Transaction Analysis**
  Monitor and analyze the transaction processing status, transaction quantity, response delay and other parameters of critical service applications, detect the abnormalities of service application processing, and provide practical basis for the performance optimization of service systems.

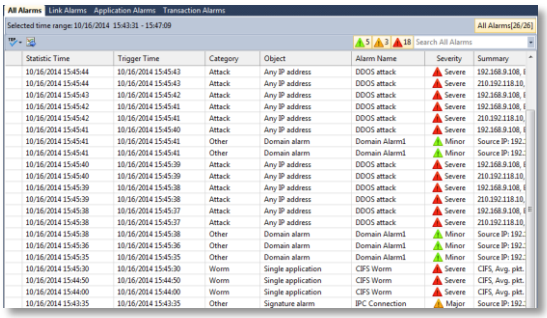
- **Efficient fault localization**
  Extract the packet-level communication data before and after network problems, no matter they are continuous or intermittent, to reproduce the scenario when the problems happen, help troubleshoot and locate the root cause, identify the problems are caused by network or applications, and provide reliable basis for responsibility clarification.

Security Analysis and Forensics

Colasoft nChronos provides network and security staff with powerful network visibility and long-term communication data storage, which improves the monitor, audit and analysis capabilities onto network activities, and enhances network security.

- **Deep packet-level activity analysis**
  Monitor the traffic of interested hosts and analyze the communication pattern in real-time, detect communication traffic and activity anomalies, analyze the security events via packet decoding, and identify the attack source and impact scope.

- **Abnormal activity alert**
  Powerful real-time analysis and alarm functions can analyze and alert the different phases of security events based on network activity patterns, and promptly notify the anomalies of monitored links, network hosts or communication. Network administrators can modify the parameters of various alarms based on the traffic features and security needs at any time to detect the latest security risks.



- **Reduce network security risks and collect evidence for security events**
  Colasoft nChronos can identify security events, and quickly locate the host that has security problems, analyze and collect evidence for the security events, provide proofs for setting security policies, help users build network security baseline, and reduce network security risks.

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.