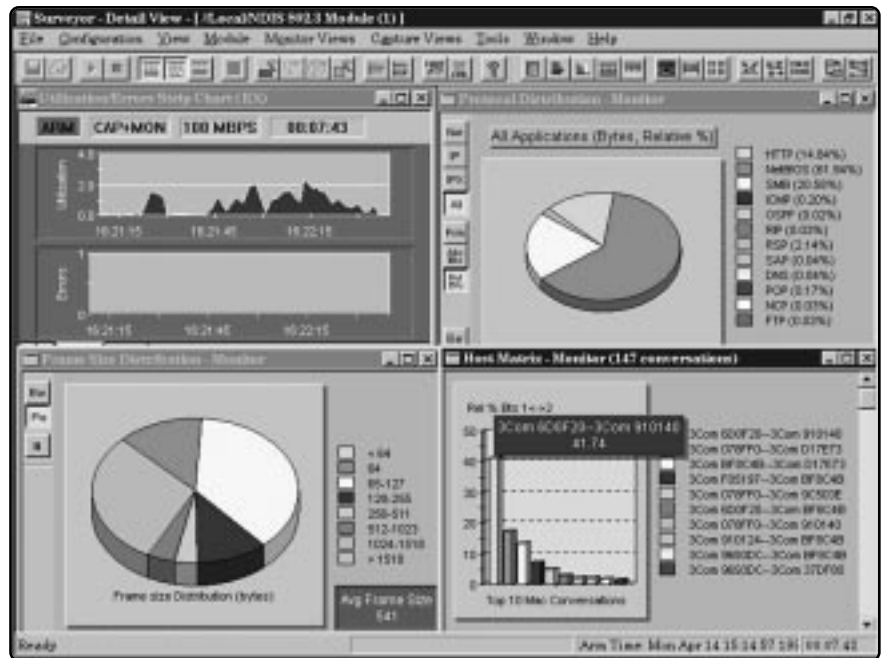


SURVEYOR

Windows-Based Analyzer Software

Product Features

- Integrated network monitoring and troubleshooting in a single, easy to use software package.
- Real-time MAC, network and application layer statistics and alarm settings with user-definable actions.
- Seven-layer decode of TCP/IP, IPX, SMB, AppleTalk, Vines, DECnet, DEC LAT, LAVC, IP Multicast, Oracle, Sybase, Cisco VLAN, SNA and other protocols.
- Powerful multi-layer capture and display filter capabilities with direct-from-data instant filter generator.
- 32, 64, 128 byte packet slicing options.
- Automatic name table address updating on TCP/IP (via DNS), IPX (via SAP) and MAC (via NetBIOS and SMB).
- Powerful, intuitive Windows 95/98 and NT application.
- Supports up to 16 local Century Media Modules and up to four 10/100/1000 Ethernet adapters and 4/16 Token Ring adapters with NDIS drivers.
- Optional Expert, Remote and Packet Blaster software modules available.



Surveyor is a powerful, integrated analyzer plus monitor application for 10/100 Ethernet and 4/16 Token Ring networks. Features such as real-time network statistics, 7-layer packet decode and analysis, advanced alarm setting and actions, powerful multi-layer filtering, packet slicing and automatic name table updating provide users with the most robust, easy to use set of network analysis and monitoring tools available, all in a single package.

Surveyor incorporates comprehensive real-time monitoring capabilities with the powerful troubleshooting capabilities of a protocol analyzer. These capabilities can function simultaneously, enabling a user to maintain the network using a single multi-purpose tool.

Surveyor monitors local network segments. An optional Remote software module gives Surveyor the capability to monitor remote segments as well.

Surveyor's intuitive user interface provides both a comprehensive view of the network as well as the ability to easily drill down to a specific network segment. Surveyor's main window provides a single, user-defined view for each of the segments being monitored. The user determines what information to view for each segment such as network utilization, protocol distribution, host table, etc. In this same window Surveyor enables the user to easily create alarms that monitor multiple segments simultaneously.

To focus on a particular segment the user need only double-click on that segment to unveil Surveyor's monitoring and troubleshooting tools. The user can simultaneously set capture filters, view full 7-layer decodes of captured packets and display multiple real-time MAC, network, and application layer statistics in order to quickly understand the status and performance characteristics of the network segment. An optional Expert software module provides an extra layer of intelligence by proactively reporting problems, identifying symptoms and recommending corrective actions.

For test and development environments, an optional Packet Blaster software module provides advanced traffic generation and intelligent packet and file editing capabilities.

SURVEYOR

Technical Specifications

System Requirements

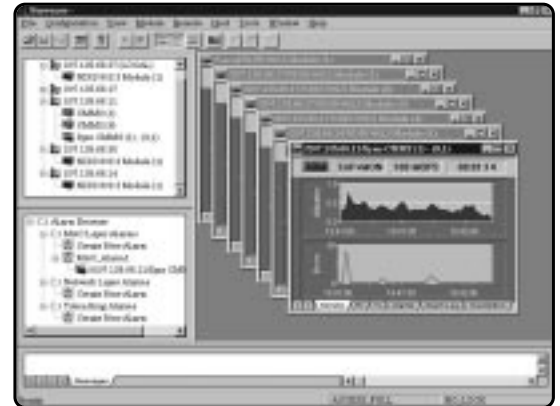
System	Pentium class system
Memory	32MB minimum
Disk Space	15MB
Operating System	Windows 95/98 or NT 4.x
Display	800 x 600 (SVGA)
Network Interface	10/100 Ethernet Century Media Module Versions 1 and 2, NDIS 10/100/1000 Ethernet, NDIS 4/16 Token Ring

Data Presentation Options

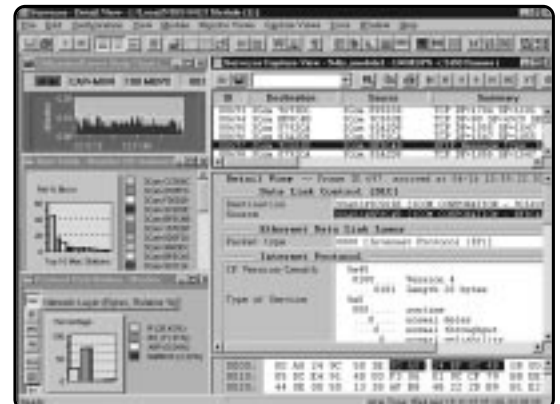
MAC Statistics
Utilization/Errors Strip Chart
Frame Size Distribution
Protocol Distribution
MAC Host Table - Top Talkers
Network Layer Host Table - Top Talkers
Application Layer Host Table - Top Talkers
MAC Host Matrix - Top Conversations
Network Layer Matrix - Top Conversations
Application Layer Matrix - Top Conversations
VLAN Distribution (Cisco ISL)
Address Mapping
Seven Layer Protocol Analysis
Real-Time Packet Decode Summary

Surveyor's Intuitive User Interface

Surveyor's main window provides an overview of the network segments being monitored. The Resource Browser (top left window) lists all of the monitored segments, both local and remote. The Alarm Browser (middle left window) enables the user to easily create alarm conditions. The Monitor View (right window) provides a user-definable view for each segment — in this example, the network utilization/errors strip chart is being displayed for a remote full-duplex Fast Ethernet segment. The Message Area (bottom window) displays system messages.



Troubleshooting or monitoring a particular segment may require a more explicit view of that segment. Simply double-clicking on a segment in the Monitor View area of the main window brings up the Detail View for the target segment. The user can simultaneously activate a wide array of troubleshooting (filters, 7-layer decodes) and monitoring (MAC, network, application layer statistics) tools suited to the task at hand. In this example, the user is viewing the utilization/errors strip chart, the host table charting the top 10 talkers, protocol distribution and the detailed 7-layer packet decode.



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