NuDesign Team Inc.

SNMP Made *Simpler.*

Visual MIBrowser/Visual MIBrowser Professional

These easy-to-use Windows applications allow users to monitor, archive, and analyze data retrieved from SNMP agents. Visual MIBrowser provides basic support for SNMPv1 and v2, allowing users to perform such tasks as viewing MIBs, auto-discovering SNMP agents, setting alarm thresholds and alarms, real-time data charting and graphing, performing Get, Set, or Walk operations on auto-discovered SNMP agents, compiling and editing MIBs, and sending and receiving traps and informs.

Visual MIBrowser Professional extends these capabilities with full SNMPv3 support, user assignable color-coded alarm priority settings, user definable MIB groups, database interfacing, and the ability to run as a service under Windows. These powerful utilities are essential for anyone who is managing or developing SNMP-related applications or agents.

Monitor

- easily view SNMP MIB objects: versatile selection of scalar or tabular variables
- display any MIB or MIB construct in tree, ASCII, or ASN.1 parsed view
- walk any MIB between any start and destination object
- load, compile, and edit MIBs
- simultaneously monitor multiple agents
- receive SNMP traps
- chart statistics in real time
- set alarm thresholds directly on charts
- send threshold-triggered alarm notifications as emails
- auto-discover SNMP agents
- save and re-execute commonly-used queries
- securely handle operations using SNMP v3 encryption and authentication
- run Visual MIBrowser Professional as a service under Windows NT/2000/XP: Visual MIBrowser Professional will start with Windows, and alerts will appear in Window's system tray

Archive

- automatically poll data from SNMP devices
- store polled data in a relational database engine
- collect and store traps
- save analysis charts and data

Analyze

- view logs of traps and other recorded events for a given day or given device
- generate charts and graphs based on logged events
- generate customized reports of events and trends
- search for objects or modules in MIBs
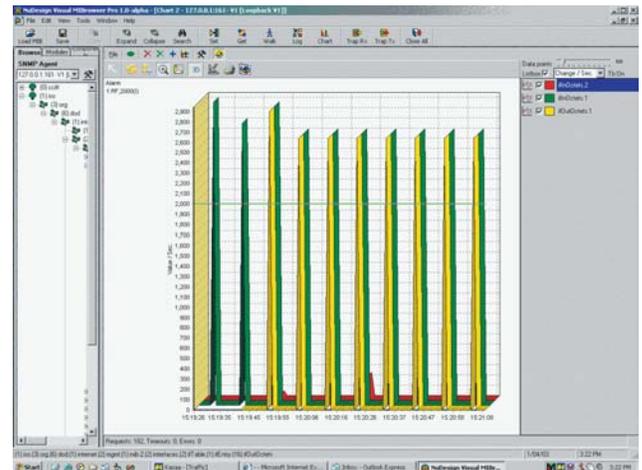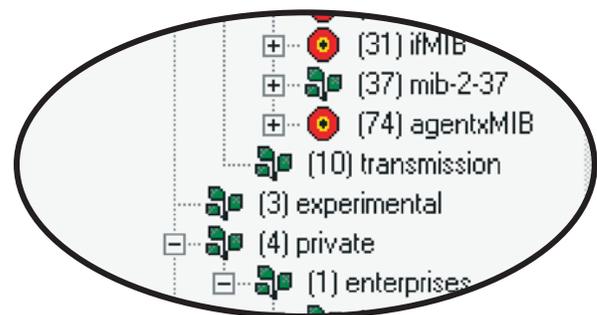- select, group, and rearrange MIBs in the tree structure

Chart and graph SNMP network activity in real time.

Easily identify MIB objects and read/write status with tree view icons.

Clearly display query and walk results.

Feature	Visual MIBrowser	Visual MIBrowser Professional
SNMPv1/v2 support	✹	✹
SNMPv3 security support (CBC-DES privacy and HMAC-MD5 or HMAC-SHA authentication)		✹
SNMPv3 administration framework support for notifications (implements SNMP-TARGET-MIB and SNMP-NOTIFICATION-MIB)		✹
Integrated SNMPv3 user and notification management		✹
Easy viewing of scalar, tabular, row, and columnar objects	✹	✹
User assignable, color-coded alarm and trap priorities		✹
Browsable SMIv1 traps and SMIv2 notifications		✹
Alarm detection and notifications through emails or traps	✹	✹
Multiple user selectable alarm detection algorithms		✹
Integrated MIB compiler	✹	✹
Enhanced MIB loading and compiling		✹
Automatic resolution of MIB IMPORT dependencies		✹
User definable MIB groups		✹
MIB editor	✹	✹
Runs as MS Windows service		✹
Database logging and reporting		✹
Improved browsing and searching		✹
SNMP session characteristics short cut		✹

Visual MIBrowser and Visual MIBrowser Professional are members of a family of management applications that also includes Cable TV plant management products. As a group, these applications are geared towards cost effectively and efficiently managing devices and networks.