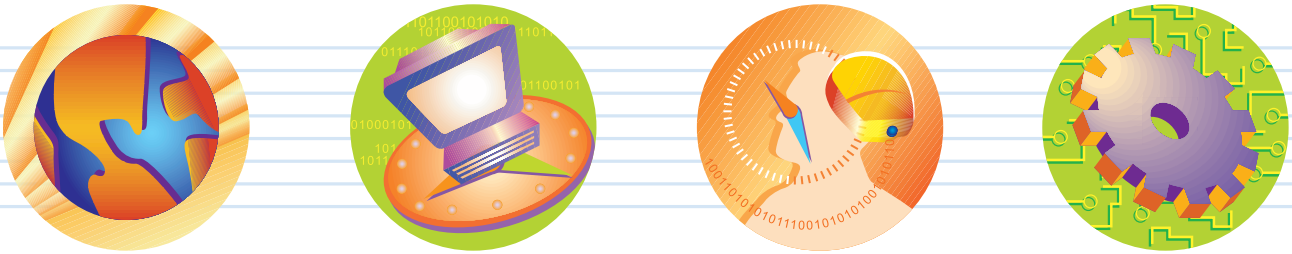


ProCollector

THE TOOL FOR NETWORK DATA COLLECTION

This powerful application automatically polls voice and data network elements or network management systems to capture configuration information, connectivity and system data for use by all other ProTools applications.

Proven in many global networks, regular audits of installed network assets and the resulting optimization, leads to minimization of costs. In performing this activity, it is common to find unused channels, circuits, and lightly utilized switching elements.

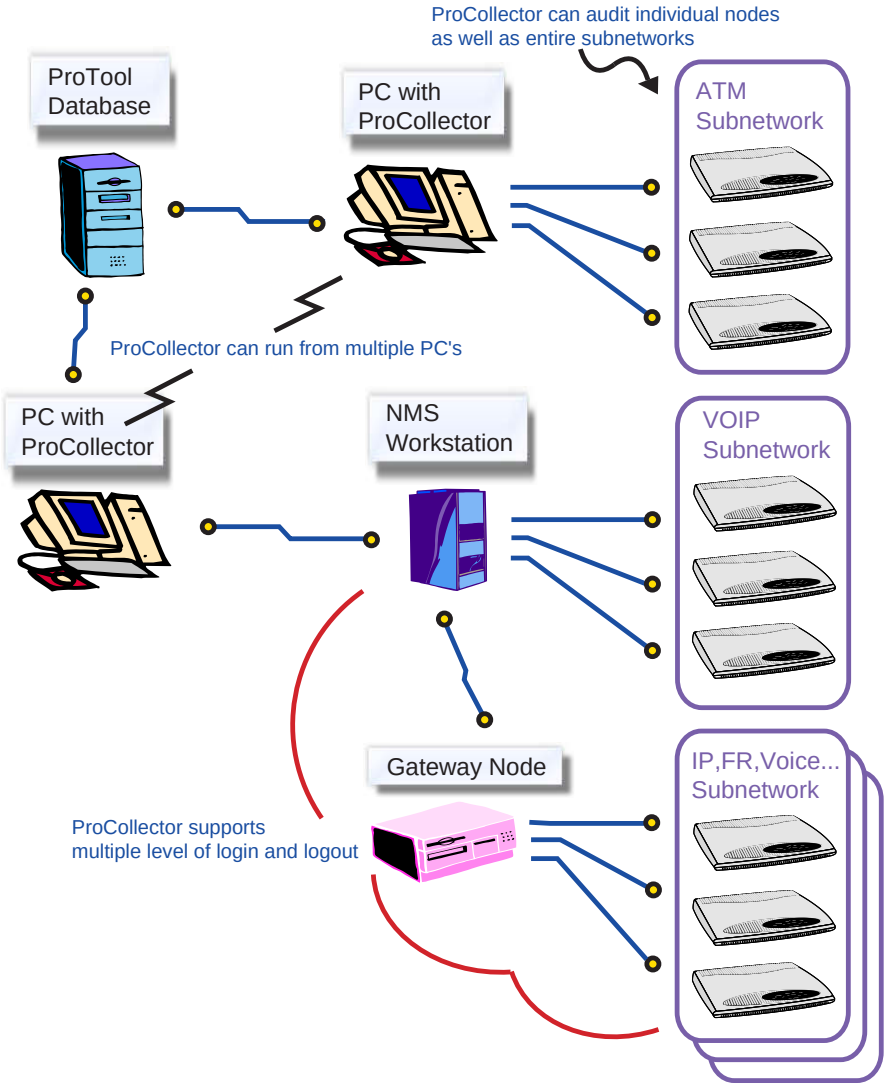


Figure 1 - ProCollector usage scenarios

The ProCollector application provides automated information collection for all installed active network elements.

Either by configuring ProCollector to run independently or through an interface to standard network management systems, this module will collect, parse, and organize all relevant network information and automatically populate the corresponding database fields within ProManage. Using the combination of ProCollector and ProManage, automated network archiving can be realized in days. Site surveys and manual data entry of asset data will no longer be required.

Utilizing the ProCollector application to regularly audit the installed network is simple, straight-forward and realizable. ProCollector can be configured to run at any given interval - from every few minutes to once a month, based on user demand.

The standard interface and developer's kit in ProCollector make it easy to request additional network element parameters as well as adapt ProCollector to collect new equipment platforms not in the library. Multi-vendor, multi-technology networks are handled efficiently and accurately.

ProCollector can capture virtually any type of information - operational, statistical and equipment configuration oriented. With a built-in capability to attach to remote applications including database and web servers, ProCollector can gather critical information such as currency exchange rates, billing records, and project management information to allow for comprehensive data collection.

ProCollector is capable of running multiple sessions simultaneously and has been proven in some of the world's largest Service Provider networks. Through a powerful distributed architecture, data collection requirements can be sized to fit the network task without limitations from the hardware or software.

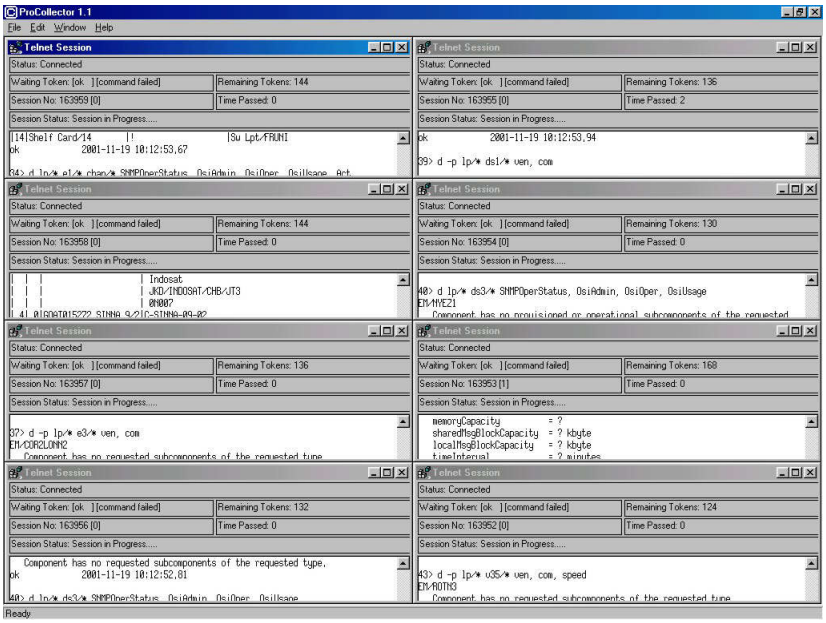
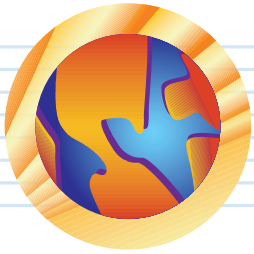
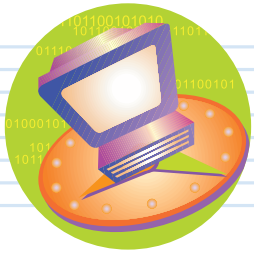
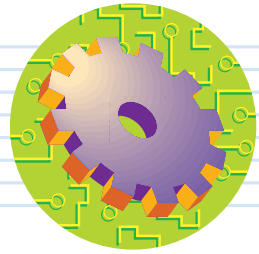


Figure 2 - ProCollector running 8 simultanious telnet sessions.



KEY BENEFITS

- Fully Automated Operation
- Multi-Vendor Support
- Multi-Technology Support
- Customer Configurable Based On Environment
- Fully Integrated With The ProTools Product Suite
- Allows Maintenance Of Network Element Configurations
- Automatic Addition Of New Network Element Into ProManage
- Automatic Deletion of Network Elements Not In Use
- Simultaneous Sessions
- Multiple Administrator Levels

VENDOR SUPPORT

ProCollector support is built-in for network elements from major equipment manufacturers, and can be configured for virtually any device that supports a common communication protocol. ProCollector is pre-configured with an extensive list of polling features for:

- Cisco routers (2000, 4000, 6000, 7000, 10000, 12000 series)
- Nortel Passport (50, 160, 7000, 15000)

PROTOCOL SUPPORT

The following protocols are supported within the ProCollector application:

- Telnet
- SNMP v1,2
- Seriel (TTY)
- HTML/HTTP

SYSTEM REQUIREMENTS

- DBMS:Oracle DB v8i (ProTools)
- Operating System: Windows 95/98/NT/2K/XP
- Workstation: Pentium III 350 Mhz, 64 MB Ram 1 GB free disk space

ProXit

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