



IntraVue

Monitoring and maintenance of industrial IP devices

Ethernet is becoming the standard for communication on the plant floor. The number of connected devices is growing at an exponential rate. Now it is necessary to have a tool specifically designed to support the deployment, maintenance and monitoring of industrial IP devices.

IntraVue has been developed for control staff responsible for industrial devices used by automated processes. It is based on an intuitive and powerful user interface.

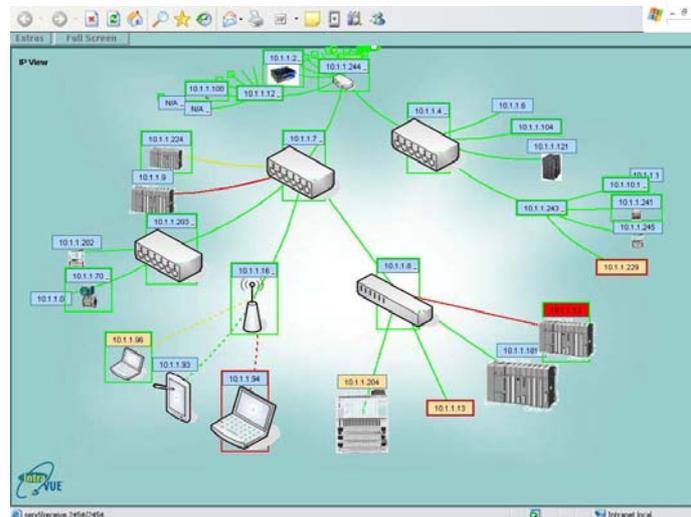
IntraVue is the best monitoring tool for understanding, troubleshooting and quickly repairing the communication problems that may commonly occur on your network.

Integrated within the **PcVue** SCADA software, this solution allows users to centralize process and network monitoring within a single application.

www.arcinfo.com

User Interface

IntraVue's user interface is the key feature of this solution. The software is astonishingly easy to set up and use. Hundreds of IP devices can be displayed within a single expansive graphic; only a single click is needed to access any of the functions.



IP View
Device View
Location View
Maintenance
Serial # Model #
Asset Tag
Show icons
Hide thumbnails
Logout
Plugin
Event Log
Search
Layout Style
System Configuration
Backup
About
Help
Readme

IntraVue affords a complete overview of your network application. All devices - including hubs - and the topology of the network are represented and updated in real time in the graphical interface.

A color-coded troubleshooting view represents all the devices and the interconnections among them so that you can instinctively pinpoint any problems. For instance, it is easy to highlight a duplicate IP address, a bandwidth that has been exceeded or devices moved between different ports of a switch.

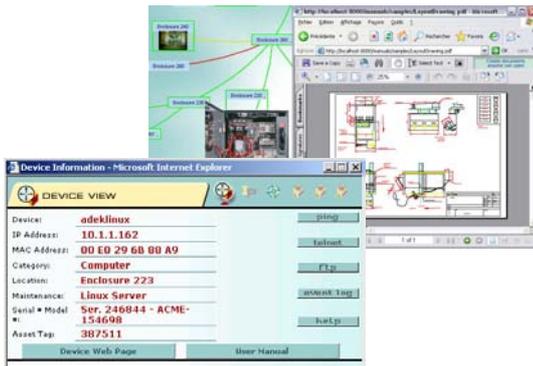
All information needed to understand the network is gathered into six distinct views: device view, IP address view, location view, serial number view, etc. Icons and pictures are also available for each network node to achieve a quick and reliable diagnosis.

Auto-Discovery and Auto-Mapping

IntraVue automatically detects all IP devices on a network. It uses SNMP (Simple Network Management Protocol) to map the network topology accurately. Running 24x7, the software monitors network data and provides a real time visualization of network activity.

IntraVue enables supervision of all kinds of IP equipment, to provide a solution for multi-vendor industrial applications.

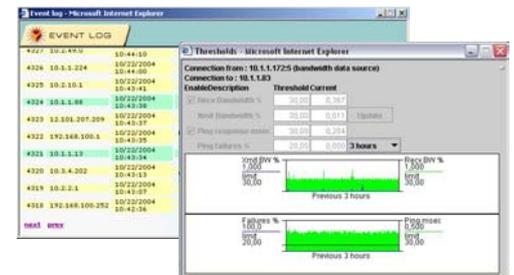
Maintenance of IP Devices



IntraVue gathers all of the information that enables you to reduce fault recovery time. For each device this includes a detailed description, icons and pictures, links to electronic documentation, direct web links to embedded web pages, plus Ping, FTP and Telnet tools.

Network Activity Follow-up

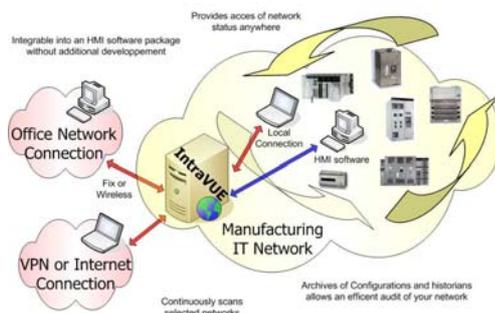
IntraVue's exclusive technology makes it a unique network supervisor for recording all the events in a database. The user thus has all the information needed to increase the passive security of the installation.



Empower Local Resources

IntraVue has been developed specifically for users who are managing an Ethernet network in an industrial environment. It monitors the whole infrastructure including the network edge devices (PLCs, I/O blocks etc.). Its user interface allows quick and easy training for the non-specialist. **IntraVue** acts as a universal tool by allowing you to troubleshoot and repair common communication problems among IP devices.

Multiple Access

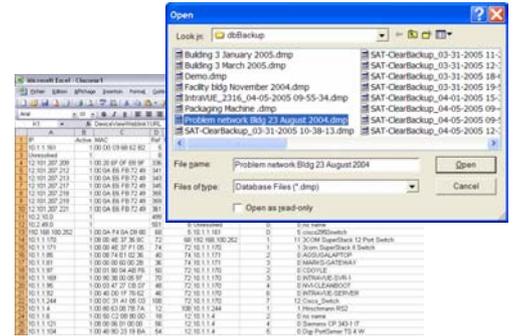


IntraVue is available in several versions so as to suit your network infrastructure. The Single Client version – installed on a notebook – supports first level diagnosis of IP devices. The Web Server version – used locally or remotely – provides the whole range of functions needed to create a maintenance center for IP devices.

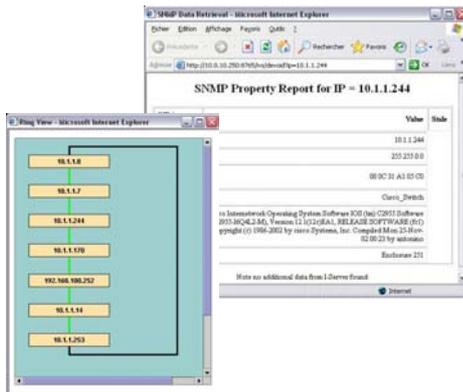
Documentation and Qualification

IntraVue works in two distinct modes: on-line and off-line. That allows you to save your network as a snapshot. The network events and a graphical view of the topology will be saved for later use.

IntraVue provides the capability to export all network data to a CSV formatted file. Network audits and qualification processes then become fast and reliable exercises.



Monitoring Networking Data



IntraVue offers the ability to monitor specific networking data in real time, such as ring redundancy and private SNMP data for each of the IP devices. **IntraVue** also supports monitoring and analyses of network flows, such as bandwidth, ping response time, etc.

No Development Required

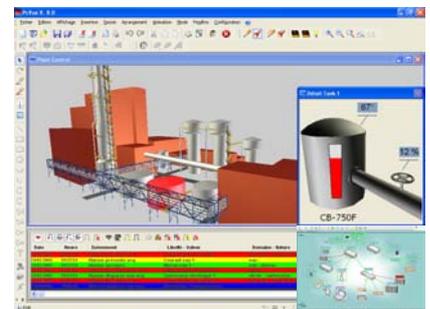
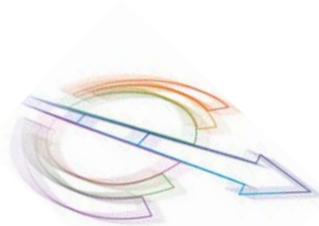
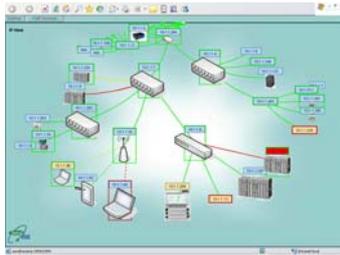
IntraVue automatically discovers and maps not only interconnections and devices but also all data transmitted via SNMP protocol. You can then supplement these initial data with further elements (pictures, specific data, electronic documentation, etc.). **IntraVue** offers the ability to set up the complete application automatically using the import/export functions.



Integration with **PcVue**

The solution of **PcVue** plus **IntraVue** is the only product on the market that offers a complete integrated solution to centralize process and network views in a single supervisory application. The **PcVue** application inherits network alarms generated by **IntraVue**. This makes it possible for the local users immediately to detect any incident that is likely to affect your application.

For alarms, the SCADA's contextual navigation allows the user to move automatically around a detailed view that displays all properties of the device that generated the fault.



Features

- Automatically detects all IP nodes
- Automatically maps the network topology
- Saves all network events to a database
- On-line and off-line modes to display a snapshot of the network application
- Export/import of all data to a CSV file
- Discovers embedded web pages in IP devices and creates shortcuts to them
- Provides real-time SNMP reports specific to each device type
- Provides graphical monitoring of ring redundancy
- Generates specific historical trends for continuous supervision of the network.
- Integration with the SCADA software
- Search functions for equipment by IP or MAC addresses and by names
- Client / server architecture for remote supervision

Main benefits

- Intuitive and easy to implement
- Specifically developed around industrial requirements
- Powerful maintenance tool for IP devices
- Facilitates localization and diagnosis of communication problems
- Increases passive security of the network
- Improves customer satisfaction
- Allows an increase of network uptime
- Reduces maintenance costs

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