ECView Pro 8.2.0.0
Network Management System

Product Overview

ECView Pro is Edge-Core's new generation network management system. It provides a scalable, comprehensive, distributed network solution that gives network managers the flexibility to manage mission-critical networks, as well as a single point for managers to provision Edge-Core and other vendor's network devices. ECView Pro discovers network devices and generates a TCP/IP topology map showing network inventory, monitors the status of each device in the network, correlates and manages simple network management protocol (SNMP) traps or sends emails when performance thresholds have been triggered, and generates reports in various formats. ECView Pro can also provision through mass deployment, such as scheduled configuration/firmware downloads and updates, monitor network health, and gather performance data.

Key Features and Benefits

Topology Management

ECView Pro identifies network devices and produces a TCP/IP topology map where each device is represented by an icon. The IP address discovery function allows selection of devices to be discovered and included in the topology map. ECview Pro also connects end nodes using Edge-Core's proprietary discovery algorithm.

Performance Management

ECView Pro provides an interface for administrators to monitor CPU and memory utilization for managed devices. RMON is supported to collect statistical data from devices, such as bandwidth utilization, errors and collisions, packet types, packet groups, and packet sizes, which allows administrators to know the network performance. Port utilization of managed devices is also monitored. Users can set thresholds, which when reached may: send SNMP traps, send emails, block ports, play sounds, run custom commands, or invoke ECView Pro's system tray and popup window.

Configuration Management

ECView Pro supports two levels of configuration management; one basic and the other advanced. The basic level provides a graphical interface to allow administrators to view or configure managed devices. The advanced level provides configuration and firmware upload and download capabilities, which are useful for mass deployment scenarios. Administrators can select certain devices from the topology map and perform a firmware upgrade or device configuration upload and download.

Event Management

The Event Manager is the center for all events generated under ECView Pro including reception of SNMP traps. Events can be displayed as on-screen messages or saved into a database for later analysis. All event messages can also be exported to various file formats.

Asset Management

ECView Pro is an inventory-based system that shows the asset information for all devices in the network, including WMI devices, such as IP address, MAC address, vendor, model, system name, etc. Users can query inventory information using different filter types.

Report and Notification Management

Performance thresholds can be set under ECView Pro and when reached, causes traps or email messages to be sent out to notify the event. ECView Pro has a report designer function that can generate new reports, or customize existing reports. All data sources that are available can be easily integrated into reports.

Third-Party Device Management

ECView Pro can support the management of other third-party network devices. The following discovery protocols are supported: LLDP, CDP (Cisco), FDP (Foundry), NDP (Nortel) and EDP (Extreme). Telnet, Web, and SNMP management interfaces are available for supported network devices.

MIB Compiler and MIB Browser

ECView Pro is able to manage a network device through the MIB Browser. A MIB can be compiled and stored into a database, which allows users to manage the device though the MIB Browser.

WMI Support

ECView Pro is able to indentify key hardware and software components on Microsoft network devices and monitor the status through WMI. Using ECView Pro WMI monitoring, disk utilization, CPU utilization, memory utilization, session monitoring and process availability checks are simple to perform. Administrators can receive notifications of any service failure by trap or email message.

Ethernet Switch

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Features

MIB Utilities

- Device SNMP configuration
- MIB II information and statistics window
- IF MIB information table
- Entity MIB information table
- Bridge 802.1d information and port configuration table
- Spanning Tree information port configuration table
- RMON Statistics, Event, and History Windows
- 802.1p priority configuration including GMRP and GARP
- 802.1Q VLAN information and configuration including forwarding/filtering and unicast/multicast provisioning
- Port VLAN Statistics
- L3 utilities including IP forwarding, RIP2, OSPF, IP multicast, DVMRP, and PIM configuration

Configuration Management

- MIB utilities
- MIB compiler
- MIB browser
- Web configuration
- DIAP tools
- TFTP file transfer
- Ping
- IGMP snooping
- SNTP
- Storm control
- QoS
- MVR
- DHCP
- IP Source Guard
- Mass configuration update
- Mass firmware upgrade

Fault Management

- Trap log
- Trap filter
- Trap editor
- Message log
- Ping
- Alarm and interval
- Traceroute

Performance Management

- RMON
- 802.1d bridge
- Port count
- VLAN
- Traffic statistic
- CPU monitoring
- Memory monitoring
- Drill-down facility
- Threshold management
- Session monitoring
- Process availability checking

Security Management

- Device SNMP configuration
- SNMP v3 configuration
- ACL configuration
- HTTPS, SSH, 802.1X etc. configuration
- RADIUS authentication configuration
- TACACS authentication
- Accounting configuration

Account Management

- Client information update
- Freeze/unfreeze client connection
- Client record query
- Client on-line query
- Client abnormal situation
- User access management
- User Action Audit

System Requirements for ECView Pro Client/Server

System Requirements for ECView Pro Client/Server:

- Microsoft Windows 2000 SP4 or higher
- Windows 2003/2008 Server
- Windows XP SP1 or higher, Windows 7
- Solaris 2.8 or higher
- Red Hat Linux
- SuSE Linux

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