NMIS 9

Network Management Information System

FirstWave

USER INTERFACE

NMIS
Next Generation API

NMIS 9

BIG DATA (MongoDB)
Inventory, Performance, Faults/ Events & Others

Inventory · Policy · Performance · Events · Others · Configuration · Models

ABSTRACTION
Policy, Configuration & Models

POLLERS
Multi-Threaded Worker Pool

SNMP · WMI · ICMP · Service Monitor

NODES
recognises, processes & forwards transmissions

Node · Node · Node · Node · Node
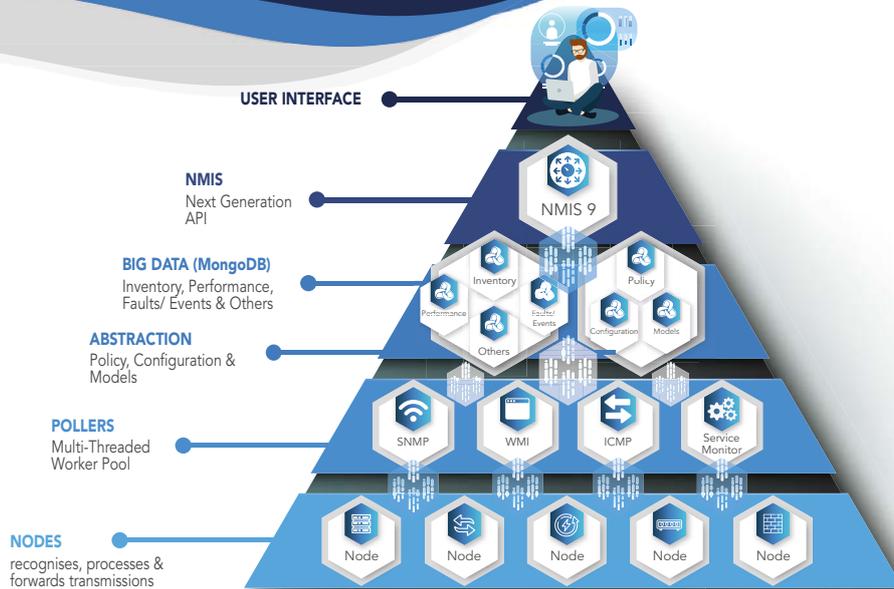
NMIS (Network Management Information System) is a complete network management system which assists with fault, performance and configuration management, providing performance graphs and threshold alerting as well as highly granular notification policies with many types of notification methods. NMIS monitors the status and performance of an organization's IT environment, assists in rectification and identification of faults and provides valuable informa-

Sophisticated business rules engine
The engine takes a short time to configure and then it's custom to your operating environment.

Pre-configured out-of-the-box solution
The simple set-up allows for network management to occur quickly and can easily integrate new technology.

Visible operational impact
See how device performance is impacting the health of a single device, group or the whole network.

Automated health live baselining
NMIS measures a baseline of availability, response time, performance & automatically shows compared changes to the previous baseline period.

Massively scalable
From the largest distributed global environments down to a single office implementation, NMIS handles the data, rules, and presentation.

Customizable alert escalation procedures
NMIS allows for customised alert escalation of events based on your organisational structure, operational hours or chain of command.

FOR MORE INFORMATION CONTACT OUR SUPPORT EXPERTS

FEATURES

PERFORMANCE MANAGEMENT

- Integrated Fault and Performance Management.
- Live Graphs can be created quickly and easily.
- Graphing period is flexible and can have lengths up to 1 year.
- Graphs are interactive and you can quickly drill-down for more information.
- Graphing of Interface, CPU, Memory stats.
- Interface statistics are returned in utilisation and/or bits per second.
- Health and availability metrics are generated from statistics collected.
- Threshold engine which send alerts when thresholds are exceeded.

REAL-TIME MONITORING

- Live baselining.
- Live performance and availability monitoring.
- Live flexible graphs.
- Live alerting and flexible notification conditions.

CONFIGURATION MANAGEMENT

- Checks for changes to device details.
- NMIS stores contact and location information that links to the SNMP sysContact and sysLocation MIBS.
- Produces DNS and Host records from the collected IP addressing information.
- Searches interface information by node name, interface name, description, type, IP address, for matching interfaces.
- Interface information includes IP address information.
- Dynamic handling of ifIndex changes and difficult SNMP interface handling.
- List to show your inventory management including managed devices by location or type and software revisions.

BUSINESS RULES ENGINE

- Flexible event levels can be customized based on device type, location, group or how important the device is to the business.
- Policy based actions – business actions for people to follow when a fault occurs.
- Policy based escalation, event handling and notifications.
- Planned outages – removes alerts during planned outage periods.

FAULTS AND EVENTS

- Customizable event levels that can be implemented for different devices.
- Color coded events and statuses for fast interpretation.
- Customizable alerting system.
- Set unique event levels based on the group/location/SLA of devices.
- Events are stateful including thresholds, meaning that an event is only issued once.
- Integrated logging facility to view NMIS events and syslog messages.
- Outage time calculated for each down event.
- Planned outages aren't recorded against outage calculations and don't generate events.

MANAGEMENT REPORTING

- Live Summary of entire managed environment into a single metric, which indicates reachability, availability, health and response time of all devices being managed.
- Reports to assist in planning and measurements against KPIs.
- Powerful out-of-the-box reporting.
- Summary pages of devices including device information, health graphs and interface

EASY IMPLEMENTATION

- Easy installation and maintenance of your servers.
- Support available for install and customization.
- Professional services are available for design and implementation.

ACCESSIBILITY

- Extensive Role-Based Access control mechanisms.
- Accessible from any device.
- Single Sign On across all our applications.

EASY TO USE INTERFACE

- Easily modify single or groups of nodes.
- Preconfigured charts will show you data with the click of a button.
- Accessible from any common browser.

NMIS'S MOST POWERFUL ENGINE

- MongoDB powers the database and allows for more data to be save and for you to get it quicker.
- NMIS has a multi-threaded approach, each action is added to a worker pool and no job is queued twice.
- NMIS has an improved I/O, Scheduling and can handle a larger node count while displayed on a more responsive interface.

NOTIFICATION MANAGEMENT

- Powerful, out-of-the-box reporting that can be sent through email.
- Reports for utilization, outages and many more.
- Snapshot and dynamic reporting for metrics on all devices and groups of devices.

SCALABILITY

- Performance and fault data collected in a single poll.
- NMIS is an extremely efficient monitoring platform.
- Interface designed to provide specialized views to quickly identify problems in large environments.
- Summary information of your entire network.

EXTENSIVE SUPPORTED DEVICES

- If it has an IP address, NMIS can manage it and it will leverage the key IP of NMIS.
- If it doesn't have an IP address NMIS can probably manage it too!
- Support of SNMP v1, v2, v3 and SNMP traps.

ESCALATION MANAGEMENT

- Create escalation policies based on device groups that provides high granularity.
- Notification engine can handle any "command line" notification method, including email, paging, signs or speakers.
- Integrated event manager that allows a list of active events with an escalation level.
- Business hours and the contact system ensures the right people are contacted in the right way.

DISTRIBUTED MONITORING

- Manage an unlimited number of nodes.
- High level of redundancy.
- Single configuration for the system.
- Access all of your information from one place.

Talk to our experts