NMIS8 Vendor and Device Support

NMIS is a Network Management Information System, providing critical information about the IT Infrastructure, including network, firewalls, servers, UPS, sensors and basically anything which supports SNMP. NMIS is a complete network management system, the software was open sourced in 1999.

You can download NMIS and other software from Opmantek.

Introduction

NMIS is a complete management system which collects fault, performance and basic inventory/configuration data from routers, switches, servers, firewalls, facilities (UPS, AC/CRACK, Sensors), and anything which has an SNMP agent. NMIS is highly extensible, using device models to define what is collected from devices, and how events are handled.

In summary, NMIS supports any device which supports SNMP with "Default" models, this is called standard support, this includes Default models for SNMPv1 only devices and newer SNMP agents which support the High Capacity agent. Standard support includes performance and fault collection and alerting of interface statistics and IP packet activity. Device support NMIS has been extended for various vendors and products, this includes performance and fault collection, alerting and thresholding on additional information like CPU, memory, disk, services, storage, sessions, packets, temperature, and many other things.

Extended device support can be added to NMIS without coding by using the modelling system to tell NMIS what a device is and what MIBS need to be collected and stored.

Vendors Supported by NMIS

Any product which supports SNMP and the SNMP standards is supported by NMIS, the following table lists some of the vendors supported by NMIS, and if there is standard or extended support. NMIS has exceptional multi-vendor capabilities and can actually manage equipment from **over 35,000 vendors**. A more complete list of SNMP vendors is available at Network Management System NMIS Supported Vendors SNMP.

Contact Opmantek for information on support for any vendors not listed here - it's almost 100% certain that NMIS will support the one you're wondering about.

Vendor	Standard	Extended
3Com	Yes	Yes
A10 Networks	Yes	
Alcatel-Lucent	Yes	Yes
Apple OSX	Yes	Yes
Bay Networks	Yes	Yes
Brocade	Yes	
Ceragon	Yes	
Checkpoint	Yes	
Cisco	Yes	Yes
D-Link	Yes	
Emerson Energy Systems	Yes	Yes
Ericsson	Yes	Yes
Extreme Networks	Yes	

F5	Yes	
Free BSD	Yes	Yes
Foundry	Yes	Yes
HP	Yes	Yes
HP UX	Yes	Yes
IBM AIX	Yes	Yes
Ironport Systems	Yes	
Juniper	Yes	Yes
Lantronix	Yes	
Linux	Yes	Yes
Merlin Gerin	Yes	Yes
Microsoft	Yes	Yes
Netgear	Yes	Yes
Newport Networks	Yes	
Nokia Siemens	Yes	
Nortel	Yes	Yes
Palo Alto Networks	Yes	Yes
Procera	Yes	
Proxim Wireless	Yes	
QNAP	Yes	Yes
RAD	Yes	
Redback	Yes	Yes
Riverbed	Yes	Yes
Riverstone	Yes	Yes
ServersCheck	Yes	Yes
Sun Solaris	Yes	Yes
Synoptics	Yes	Yes
Transmode	Yes	
ZTE	Yes	Yes
ZyXEL	Yes	Yes

Standard Support Options

SNMP is the simple network management protocol, and the protocol itself is very simple, a little more complex is the MIB's Management Information Base, these are defined in ASN.1 and include all sorts of rich functionalities required when dealing with large data structures which are available through SNMP.

Because of the differences in standards and timings, NMIS includes a default model for supporting devices, which is called Model-Default, and for devices which only support SNMP Version 1, there is a model called Model-SNMPv1, and for devices which have improved SNMP support including 64 bit counters there is a model called Model-Default-HC (High Capacity).

The model can be changed when editing a node and changing automatic to the required model, but you should verify your update and collection.