

# Home



## What is NMIS?

NMIS (acronym for Network Management Information System) is an open-source network management system that was first released in 1998. Originally written by Keith Sinclair and with later substantial input from Eric Greenwood, the intellectual property for NMIS was purchased by commercial open source software company Opmantek in early 2011 under a stated commitment to keep "NMIS free and lead the community to rapidly advance the product". NMISv8 was released by Opmantek shortly after and remains free and open source. NMISv9 is currently (as at April, 2020) in the final stages of development. NMIS 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.

Additional modules and support provided by Opmantek are available to extend the capabilities of NMIS.

## What does NMIS do?

NMIS monitors the status and performance of an organization's IT environment, assists in rectification and identification of faults and provides valuable information for IT departments to plan expenditure and IT changes.



[more](#)

## Blog Posts

- Blog: [New Virtual Appliance](#) created by Christopher Gatlin NMIS Aug 06, 2019
- Blog: [NMIS 9: getting beta all the time](#) created by Alexander Zangerl NMIS Jul 26, 2019
- Blog: [NMIS 8.6.8G release](#) created by Alexander Zangerl NMIS Jul 10, 2019
- Blog: [NMIS 9.0.1 beta release](#) created by Alexander Zangerl NMIS May 17, 2019
- Blog: [NMIS 9.0.0e beta release](#) created by Alexander Zangerl NMIS Apr 11, 2019
- Blog: [New Virtual Appliance release](#) created by Christopher Gatlin NMIS Feb 27, 2019
- Blog: [New Virtual Appliance release](#) created by Christopher Gatlin NMIS Dec 22, 2018
- Blog: [New Virtual Appliance release](#) created by Christopher Gatlin NMIS Sep 05,

- 
- Blog: [NMIS 9.0.0d beta release](#) created by Alexander Zangerl NMIS Aug 21, 2018
  - Blog: [NMIS 8.6.7G release](#) created by Alexander Zangerl NMIS Aug 17, 2018
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[more](#)

## Download

NMIS is available as a stand-alone [download](#) or part of the Opmanetek [virtual appliance](#).

[Release Notes](#).

## Install

[NMIS 8 Installation Guide](#)

[NMIS 9 Installation Guide](#)

## Getting Started

[NMIS8 - A Quick Getting Started Guide](#)

[Getting Started with Opmanetek Applications](#)

[Opmanetek Virtual Appliance: Installation and Getting Started](#)

## Information

[What is NMIS?](#)

More information about [Opmanetek and our products and services available on our website](#).

## Documentation

These detailed guides, webinars, and blogs break down configuring NMIS into manageable tasks and sub-tasks. These guides are designed to be followed *after* you have installed NMIS and confirmed it is operating.

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## NMIS v9

Building upon the success of NMIS 8, Opmanetek's NMIS 9 will be released in July 2020. We're just going through the finalisation of the product right now.

Some of the enhancements include:

- open data using MongoDB
- improved I/O
- improved scheduling
- handling a larger node count
- more responsive interface

Perfect for your Network Engineering needs.

- [NMIS 9 Release Notes](#)
- [NMIS9 Documentation](#) - For some NMIS9 specific details.
- [NMIS 9 Administration Notes](#)

To build Opmanetek's Automated Network Management Platform, add the latest commercial modules to leverage and enable access to even more functionality. To list a few: complete scalability through multi-server architecture, centralised node management, complete flexibility, centralised poller configuration management, improved charts, Improved inventory reports, new maps library, JSON APIs and more. All via a single platform.

We're excited to bring this product to you.

And a HAT TIP to all who participated in the beta program - thanks guys!

## NMIS v8 Documentation

Current NMIS v8 documentation is listed below.

- [What is NMIS?](#)
- [Getting Started - Opmantek Virtual Appliance Bundle Installation](#)
- [NMIS8 Release Notes](#) and the [Virtual Appliance Release Notes](#)
- [NMIS 8 Installation Guide](#) and the (very simple) instructions for [Upgrading NMIS to 8.6.6G](#)
- NMIS8 Quick Start Guide
  - [Configuring Email Server for NMIS Notifications including Gmail server](#)
- [NMIS8 Configuration Guide](#)
- [Node Administration Tools](#)
- [Managing Servers and Services with NMIS8](#)
  - [Service Monitoring Examples](#)
  - [Enabling SNMP Management on Windows 2008 Server](#)
- [NMIS Configuration Part 1 on the "show brain" blog](#)
- [NMIS Configuration Part 2 on the "show brain" blog](#)
- [Using SNMPv3 with NMIS for Secure Network Management](#)
- [Cisco router basic SNMP v1 or v2 configuration guide](#)
- [SNMP Traps with Cisco and Other devices](#)
- [NMIS8 Vendor and Device Support](#)
- [Information about Network Ports](#)

## NMIS in Depth

Why does NMIS do that, how does it work?

- [Configuring NMIS for Multi-Tenancy](#) - how to prevent NMIS users from seeing devices they are not supposed to see.
- [NMIS and multi-homed nodes](#)
- [How To Customise Interface Speed, Collection, Thresholds and Events Using Node Configuration](#)
- [Manage Current Events](#) - acknowledge events to stop escalation and notification
- [Basic and Advanced Thresholds in NMIS8](#)
- [NMIS Threshold Configuration](#)
- [NMIS Metrics, Reachability, Availability and Health](#)
- [Amount of Performance Data Storage NMIS8 Stores](#)
- [Description of the NMIS Event Log](#)
- [NMIS Event List](#)
- [NMIS Node Status](#)
- [Import Nodes into NMIS8](#) - bulk import and integration
- [Alerts](#) - Using models to generate custom events
- [Creating NMIS Email Notifications for a Specific Node and Interface](#)
- [Configuration Files for NMIS](#)
- [Custom Tables in NMIS](#)
- [Using Unique Identifiers \(UUID\) for NMIS Nodes](#)
- [Custom Notification Methods for NMIS Events](#)
- [NMIS Dashboards with Alternate Groupings](#) - Customers and Business Services
- [Developing Device Models for NMIS](#)
  - [NMIS Model Policy](#)
  - [Modelling for WMI](#)
  - [Device Modelling Checklist](#)
  - [Modelling MIBS that use Indexes using the systemHealth section](#)
  - [Advanced Modelling: When a single SNMP variable isn't enough](#)
  - [NMIS Collect and Update Plugins for Flexible Data Collection](#)
- [Extending SNMPd for custom monitoring](#)
- [Making Sounds for Critical Events on the NMIS Dashboard](#)
- [How NMIS pings nodes, using fpingd/fping or ping](#)
- [Ping Timeout and NMIS, including fast ping - fping](#)
- [Scaling NMIS Polling](#)
- [NMIS Customising the Dashboard Layout](#) - Save Windows and Positions
- [Controlling the Collection of Interfaces, Adjustments and Overrides](#)
- [Configuring syslog to get 'Network Events' on Master](#)
- [Scaling NMIS polling](#) - how NMIS handles long running processes
- [NMIS Handling Counter64 using SNMPv1](#)
- [Linking Nodes to other systems including Web, SSH, Telnet and whatever you need.](#)

## NMIS Troubleshooting & Micro FAQ

- [The NMIS Support Tool](#)
- [NMIS File Permissions](#)
- [Configuration Files for NMIS \(and how often they change\)](#)
- [Logs, debugs and files which are useful when troubleshooting and resolving issues in NMIS](#)
- [Regular System Maintenance for NMIS](#)
- [SNMP Tuning](#)
- [SNMP Troubleshooting](#)
- [Testing SNMP Connectivity from the NMIS Server with snmpwalk](#)
- [Adding and Editing a Device in NMIS8](#)
- [Learning and Understanding Perl](#)
- [Installing Perl Libraries with and without CPAN](#)
- [NMIS8 Graphs Showing letters after the numbers in the y-axis](#)
- [Configuring NMIS to use Internal Authentication](#)
- [Configuring NMIS to use Active Directory Authentication \(ms-ldap or ms-ldaps\)](#)
- [Important NMIS Configuration Options](#)
- [Virtual Appliance Maintenance: Updating Software](#)

## NMIS Training

Opmantek has training material available for NMIS, this is available in PDF format, and includes a movie which is about an hour long for the NMIS Device Modelling Training. All this downloadable:

- [NMIS8 User Training](#)
- [NMIS8 Administration Training](#)
- [NMIS8 Developer Training](#)
- [NMIS8 Device Modelling Training](#)
- [NMIS8 Device Modelling Training Webcast](#)

## NMIS Support

- [How to upgrade and maintain model files](#)
- [Default Credentials \(Passwords\) for NMIS8 VM](#)
- [User Management in NMIS8](#)
- [Moving the NMIS database to a new partition](#)
- [Additional support can be found on the \[nmis\\\_users mailing list\]\(#\) although we recommend commenting on this community site.](#)

## Old patching

- [Upgrading NMIS to 8.6.1G](#)
- [Upgrading NMIS to 8.6.0G](#)
- [Upgrading NMIS to 8.5.12G](#)
- [Upgrading NMIS to 8.5.10G](#)
- [Upgrading NMIS to 8.5.8G](#)
- [Upgrading NMIS to 8.5.6G](#)
- [Upgrading NMIS to 8.5.4G](#)
- [NMIS 8 Installation Guide \(up to Version 8.5.4G\)](#)
- [Upgrading NMIS to 8.5.2G](#)
- [Upgrading NMIS to 8.5G](#)
- [Upgrading NMIS to 8.4.10G](#)
- [Patching NMIS with 8.4.6G](#)
- [Patching NMIS with 8.3.4G Update](#)
- [Patching NMIS with 8.3.6G Update](#)
- [Patching NMIS with 8.3.9G Update](#)
- [Patching NMIS with 8.3.15G Update](#)
- [Patching NMIS with 8.3.18G Update](#)
- [Patching NMIS with 8.4.1G](#)

## NMIS4 Documentation

- [NMIS 4.3.6e Installation Documentation- contributed by Terrell Prude.](#)

## Other Resources for NMIS Users

- [Learning and Understanding Perl](#)

## Opmantek Modules to Extend NMIS8

- [opEvents](#) - Event Management working like ITIL V3 intended. Managing syslog, SNMP trap, NMIS events and any log content.
- [opFlow](#) - Application level visibility using NetFlow information, providing incredible visibility into bandwidth usage, by user and application.
- [opReports](#) - Expert reporting, with traffic lights and actions.
- [opMaps](#) - Geographical mapping of your Organisation, from NMIS information.
- [opSLA](#) - Enhanced IPSLA engine for 10000's of IPSLA probes on a single server.
- [opHA](#) - High availability for NMIS through Master /Poller and Multi-Master configurations.
- [opConfig](#) - Automatically track and back up configurations. Compare configurations.
- [opCharts](#) - Modern, dynamic, interactive charting, custom dashboards and a RESTful API for all NMIS data and more.

## Recently Updated

[Default Credentials \(Passwords\) for NMIS8 and NMIS9 VMs'](#)

yesterday at 12:55 AM • updated by Robin Twiggs • [view change](#)

[Node Administration Tools](#)

Jul 01, 2020 • updated by Josune Cordoba • [view change](#)

[NMIS 8 Release Notes](#)

Jun 29, 2020 • updated by Josune Cordoba • [view change](#)

[NMIS 9 Release Notes](#)

Jun 26, 2020 • updated by Josune Cordoba • [view change](#)

[Node Administration Tools](#)

Jun 21, 2020 • updated by Robin Twiggs • [view change](#)

[Using Unique Identifiers \(UUID\) for NMIS Nodes](#)

Jun 18, 2020 • updated by Keith Sinclair • [view change](#)

[Scaling NMIS polling - how NMIS handles long running processes](#)

Jun 15, 2020 • updated by Mark Henry • [view change](#)

[NMIS File Permissions](#)

Jun 15, 2020 • updated by Mark Henry • [view change](#)

[Scaling NMIS polling - how NMIS handles long running processes](#)

Jun 10, 2020 • updated by Keith Sinclair • [view change](#)

[Scaling NMIS Polling](#)

Jun 10, 2020 • updated by Keith Sinclair • [view change](#)

[Leveraging the NMIS Group](#)

Jun 10, 2020 • updated by Mark Henry • [view change](#)

[Tutorial: NMIS8, creación de un nuevo modelo](#)

Jun 09, 2020 • created by Oscar Berlanga

[Tutorial: NMIS8, agregar un nuevo umbral](#)

Jun 09, 2020 • created by Oscar Berlanga

[Re: Backup and restore](#)

Jun 05, 2020 • created by Keith Sinclair

[Backup and restore](#)

Jun 02, 2020 • created by Andrew Webster

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