

NMIS 9 Installation Guide

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NMIS Setup

- Once installed, we can access NMIS GUI:
- Your DHCP server will give the IP Address for your VM or device.
- The default user and password to login in on the WebUI is user: nmis and password: nm1888
- After your login in that will be the primary screen.

NMIS Configuration

- After the setup, we can create new nodes from the WebUI or import them from other systems.
- 1° Option: Click on the "Add Nodes" button
- When you add a new node the required fields will be name, host name/IP Address, Group, and SNMP community if you are using SNMP for collect or WMI username and password if you are using WMI for collect.
- Then scroll to the bottom and click on the "Add and Update Node" button.
- 2° Option: We can create a node from the GUI using the menu System > System Configuration > Nodes (Devices):
- Click on the blue add button.
- Follow the same instruction above to add nodes.
- It is also possible to import nodes using the node administration tools - how to add bulk nodes.

Installation Prerequisites

- The individual performing this installation has a small bit of Linux experience
- Root access is available
- Internet access is required for installing any missing but required software packages
- Operating systems supported: This information can be found [here: NMIS 9 Compatibility list](#).

NMIS Installation

Install Guides:

[Default Install Guide](#)

[Advanced Install Options](#)

NMIS Setup

Once installed, we can access NMIS GUI:

```
http://host.com/nmis9
```

Your DHCP server will give the IP Address for your VM or device.

The default user and password to login in on the WebUI is user: **nmis** and password: **nm1888**

NMIS 9.4.0

Network Management Information System

Authentication required: Please log in with your appropriate username and password in order to gain access to this system

Username	<input type="text" value="nmis"/>
Password	<input type="password" value="*****"/>
<input type="button" value="Login"/>	

- #### Available NMIS Modules
- [opCharts](#) - Delivers interactive charts, custom dashboards and network diagrams.
 - [opEvents](#) - Event Management processing syslog, SNMP trap, NMIS events and others.
 - [opConfig](#) - Configuration backup, archiving and change detection.
 - [opHA](#) - Scale your solution horizontally and add high availability to ensure business continuity.
 - [opFlow](#) - Traffic analysis with NetFlow, JFlow and others.
 - [opReports](#) - Enhanced NMIS reports with engineering and business related reports.
 - [opAddress](#) - IP address management as it should be, simplified and automated.
 - [Open-Audit Enterprise](#) - Open-Audit intelligently scans your network for everything.

After your login in that will be the primary screen.

192.168.0.96/nmis9
Sat Jan 21 20:19:05 2023 UTC User: nmis, Auth: Level0

NMIS 9.4.0 - localhost
Network Status Network Performance Network Tools Reports Service Desk Setup System Windows Help

Basic Setup

Welcome to the NMIS Setup interface!

In this menu you'll find the most essential settings for getting started with NMIS. Entries that likely need to be adjusted are marked with ⚠

⚠ Server Name	<input type="text" value="localhost"/>	This is the primary name of this NMIS server. It's used in lots of places and really must be set.
⚠ NMIS Host	<input type="text" value="localhost"/>	This is the FQDN (or IP address) of the NMIS server, and is used in emails and other notifications for creating links back to this system.
⚠ Authentication Secret	<input type="text" value="Please Change Me!"/>	This is the secret used to create authentication cookies. It must be unique for your site (unless you enable SSO or select 'omk' as Cookie Type).
<input checked="" type="checkbox"/> Cookie Type	<input type="text" value="omk"/>	'nmis': NMIS uses its own independent authentication cookie; 'omk': NMIS shares one cookie with other Opmantek applications (but the same secret must be set up everywhere, see the SSO page for details).
⚠ Mail Server	<input type="text" value="127.0.0.1"/>	The FQDN (or IP address) of your outgoing mail server. NMIS needs that to send you email notifications.
<input checked="" type="checkbox"/> Mail Server Port	<input type="text" value="25"/>	The port number your mail server listens on for SMTP conversations. Common choices are 25 and 587, but note that 587 commonly requires authentication!
⚠ Mail User	<input type="text" value="your mail username"/>	This is the mail user name for authenticating at your mail server. Leave this blank if you don't need to authenticate at your mail server.
⚠ Mail Password	<input type="password"/>	This is the password for authenticating at your mail server. Leave this blank if you don't need to authenticate at your mail server.

Sat 20:25:07 to 21-Jan-2023 20:25:07

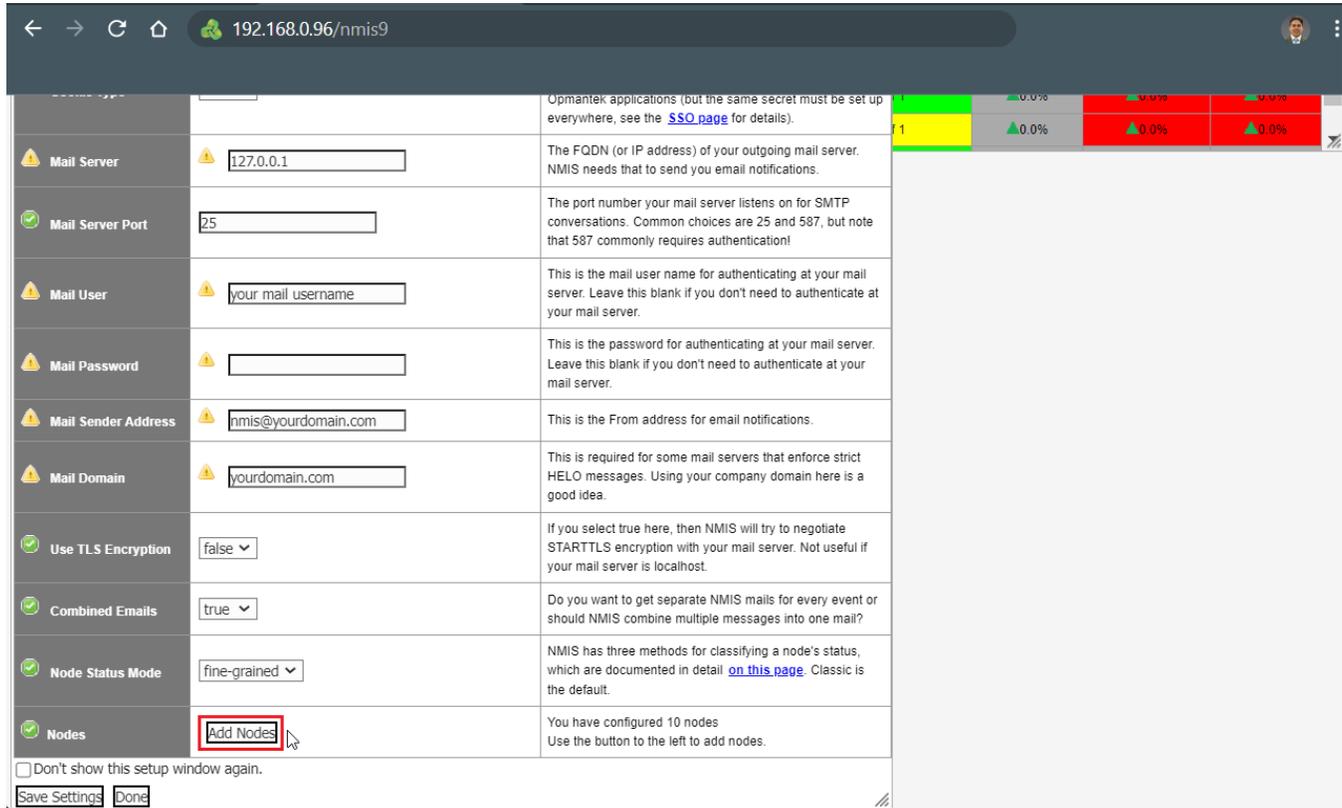
Legend: Status (red), Avg 80.00, Availability (green), Avg 0.00

ded	Metric	Reachability	Health
9	98.4%	96.0%	100%
7	100%	100%	100%
1	100%	100%	100%
1	0.0%	80.0%	0.0%

NMIS Configuration

After the setup, we can create new nodes from the WebUI or import them from other systems.

1^o Option: Click on the "Add Nodes" button



When you add a new node the required fields will be name, host name/IP Address, Group, and SNMP community if you are using SNMP for collect or WMI username and password if you are using WMI for collect.

Table Nodes

Name *	<input type="text" value="Printer"/>
UUID	<created on save>
Host Name/IP Address *	<input type="text" value="192.168.0.50"/>
Fallback Host Name/IP Address	<input type="text"/>
Group *	<input type="text" value="Branches"/>
	<input type="text" value="Enter new Group value"/>
SNMP Community *	<input type="text" value="public"/>

WMI Options

WMI Username	<input type="text"/>
WMI Password	<input type="password"/>

Service Management Options

Customer	<input type="text" value="Opmantek"/>
Business Service	<input type="text" value="Core Network"/> <input type="text" value="Web Page"/> <input type="text" value="eCommerce"/> <input type="text" value="eMail"/>
Service Status	<input type="text" value="Development"/>

Name and URL for additional node information

Node Context Name	<input type="text" value="Node Context"/>
Node Context URL	<input type="text" value="https://somelink.com/map/thing/"/>

Name and URL for remote management connection

Remote Connection Name	<input type="text" value="SSH to Node"/>
Remote Connection URL	<input type="text" value="ssh://\$host"/>

Extra Options

Display Name	<input type="text"/>
Notes	<input type="text"/>

Role type	core
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Then scroll to the bottom and click on the "Add and Update Node" button.

SNMP Settings	
SNMP Version	snmpv2c
SNMP Max Message Size	1472
SNMP Max Repetitions	0
SNMP Port	161
SNMP Username	
SNMP Context	
SNMP Auth Password	
SNMP Auth Key	
SNMP Auth Proto	md5
SNMP Priv Password	
SNMP Priv Key	
SNMP Priv Proto	des

* mandatory fields.

EN English (United States) **Add and Update Node** Add Cancel

2^o Option: We can create a node from the GUI using the menu **System > System Configuration > Nodes (Devices)**:

NMIS 9.4.0 - localhost NMIS Modules

Network Status Network Performance Network Tools Reports Service Desk Setup System Windows Help

System Configuration > NMIS Nodes (devices)
 Configuration Check > NMIS Configuration
 Host Diagnostics > NMIS Models
 Node Configuration
 Model Policy
 Hide Groups

 Access Policy
 Business Services
 Contacts
 Customers
 Escalation Policy
 Event Configuration
 Links (network)
 Locations
 Logs
 Polling Policy
 Portal
 Privilege Map
 Service Status
 Services
 Tables
 Toolset
 Users

8Hr Summary

- Metric 98%
- Reachability 96%
- InterfaceAvail 100%
- Health 100%
- ResponseTime 33ms

Network Metrics and Health

network - 2 days from 19-Jan-20

Network Metrics

Reachability Avg 67.68 Health Avg 70.50 Status Avg 80.00

Group	Nodes Down	Nodes Degraded	Metric
All Groups Status	3 of 10	3 of 10	▲98.4%
Branches	3 of 8	2 of 8	▲100%
NMIS8	0 of 1	0 of 1	▲100%
NMIS9	0 of 1	1 of 1	▲0.0%

Log of

Log Name: Event_Log Search String: Lines: 50

Lines: 15 25 50 100 250 500 1000 Level: All Fatal Critical Major Minor Warning

Click on the blue add button.

NMIS Nodes (devices) Sat 13:55

Name	UUID	Host Name/IP Address	Fallback Host Name/IP Address	Group	Customer	Business Service	Display Name	Notes	Location	Polling Policy	Active	Ping	Collect	Depend	Services	Action
<div style="text-align: right;"> add </div>																

Follow the same instruction above to add nodes.

Table Nodes

Name *	<input type="text" value="Printer"/>
UUID	<created on save>
Host Name/IP Address *	<input type="text" value="192.168.0.50"/>
Fallback Host Name/IP Address	<input type="text"/>
Group *	<input type="text" value="Branches"/>
	<input type="text" value="Enter new Group value"/>
SNMP Community *	<input type="text" value="public"/>

WMI Options

WMI Username	<input type="text"/>
WMI Password	<input type="password"/>

Service Management Options

Customer	<input type="text" value="Opmantek"/>
Business Service	<input type="text" value="Core Network"/> <input type="text" value="Web Page"/> <input type="text" value="eCommerce"/> <input type="text" value="eMail"/>
Service Status	<input type="text" value="Development"/>

Name and URL for additional node information

Node Context Name	<input type="text" value="Node Context"/>
Node Context URL	<input type="text" value="https://somelink.com/map/thing/"/>

Name and URL for remote management connection

Remote Connection Name	<input type="text" value="SSH to Node"/>
Remote Connection URL	<input type="text" value="ssh://\$host"/>

Extra Options

Display Name	<input type="text"/>
Notes	<input type="text"/>

Role type	core	▼
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It is also possible to import nodes using the [node administration tools - how to add bulk nodes](#).