

Q.NMS

Software Manual

NETWORK MANAGEMENT SUITE

Version: 1.2
March 2025

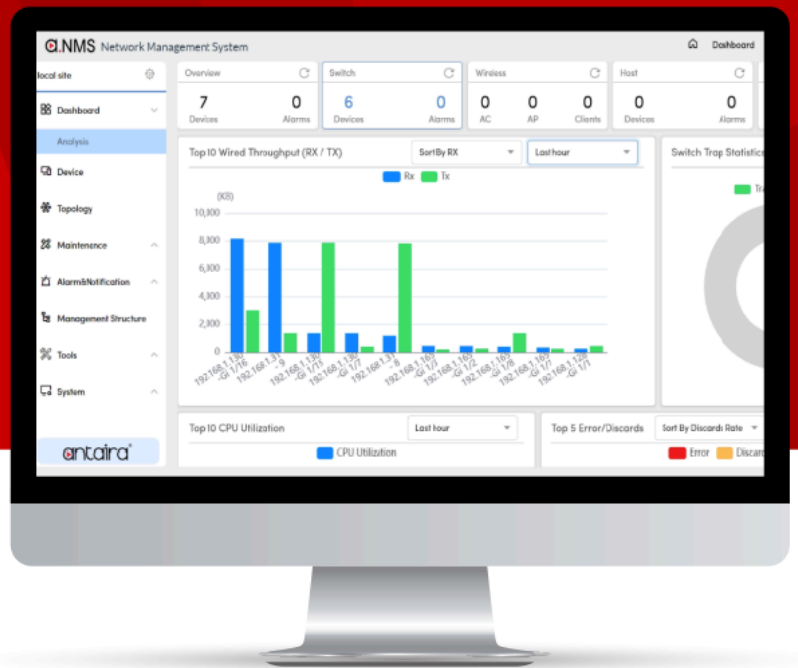


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Software Manual Version 1.2 (March 2025)

This manual supports A.NMS Version: 1.0

Please direct any questions to Antaira at info@antaira.com.tw.

1 Access with Web Browser

1.1 Web GUI Login

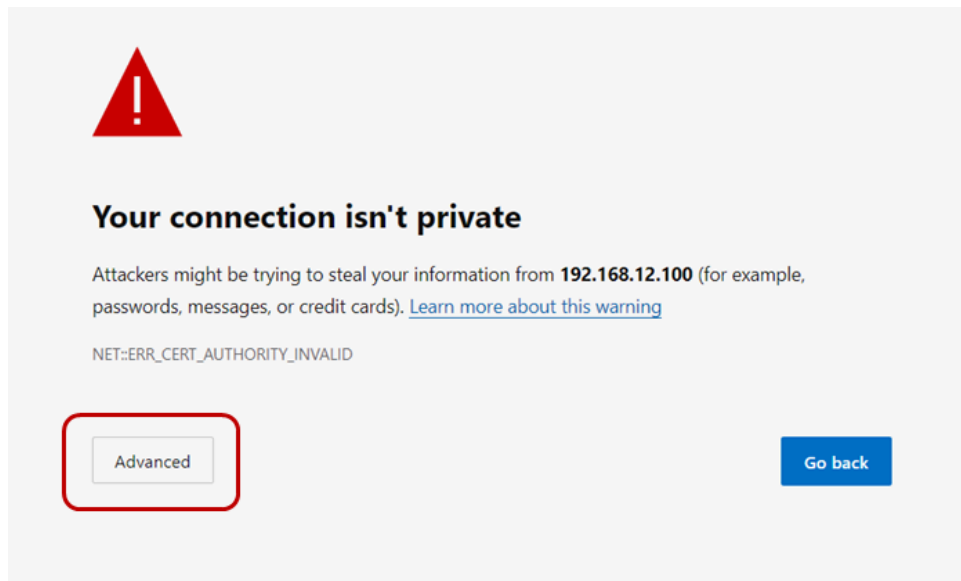
The primary and only interface for this version is the web GUI interface. This provides a user-friendly management interface and allows users to manage the devices anywhere on the network through a web browser.

Step 1: To access the WEB GUI, open a web browser and type the following IP address:

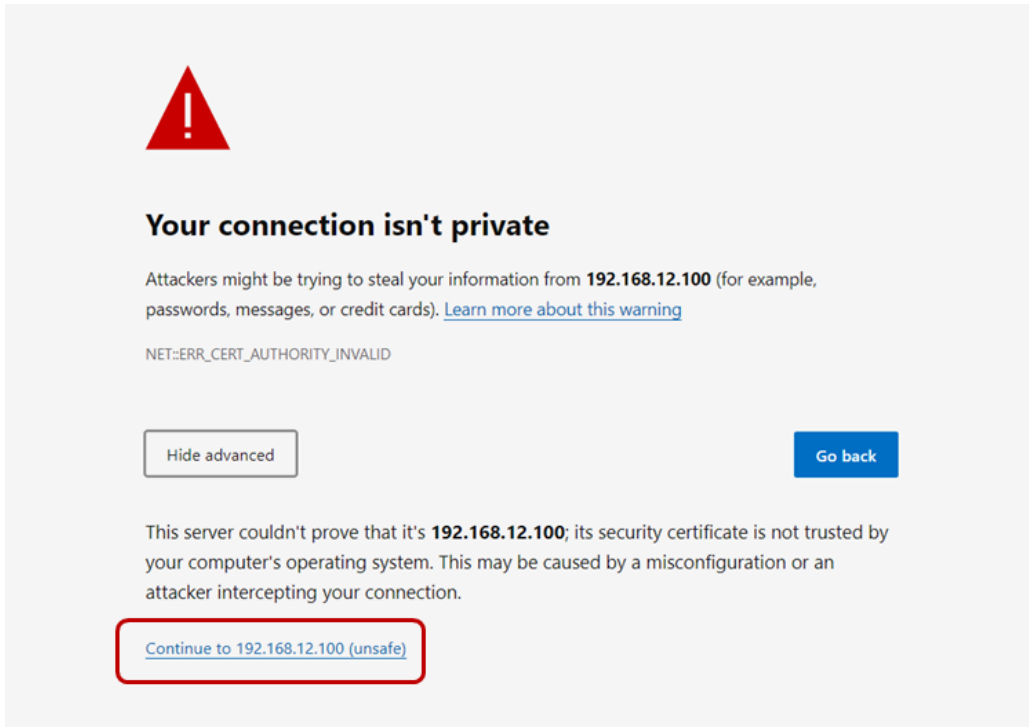
<https://192.168.12.100:30005/#/login>

Where “192.168.12.100” is the system's IP address in which the software has been installed.

For first-time connections and before the SSL certificate can be set for secure communications, you may receive the following message:



Click on “Advanced,” which is circled in red.

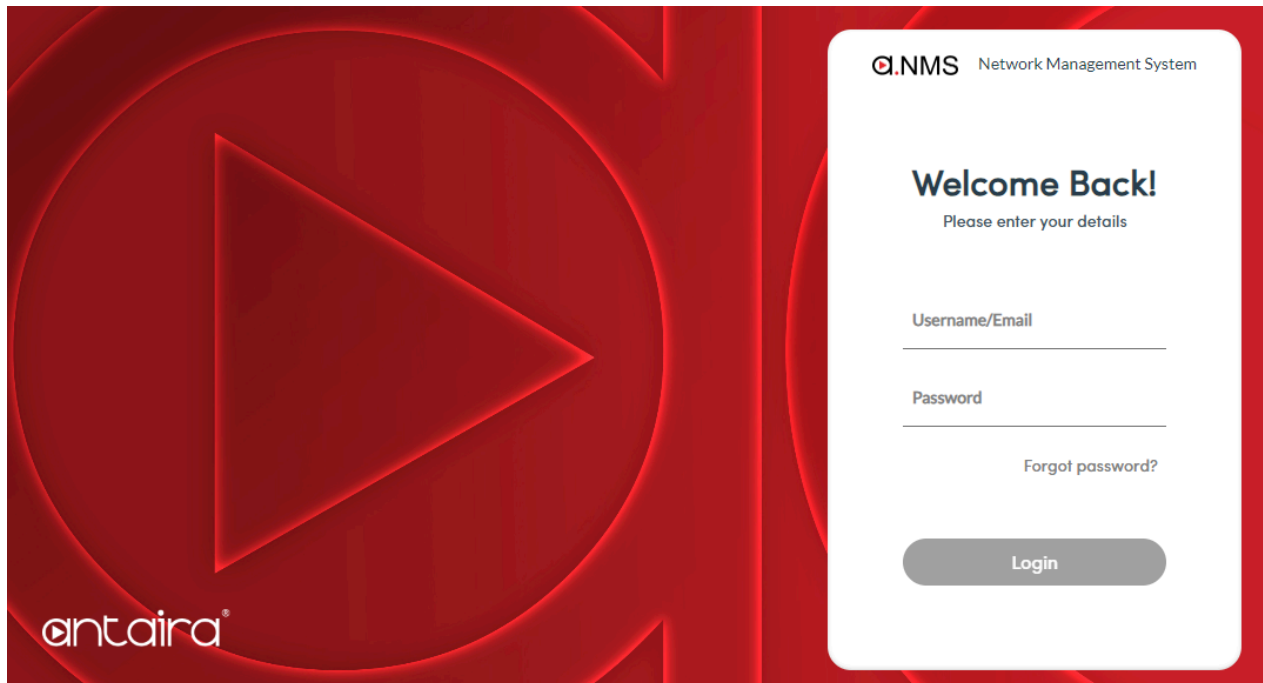


Then click on “Proceed to XXX.XXX.XXX.XXX (unsafe)” Where XXX.XXX.XXX.XXX is the IP address of the system where you have installed the NMS.

Step 2: The default WEB GUI login: (you will be asked to change the password at first login)

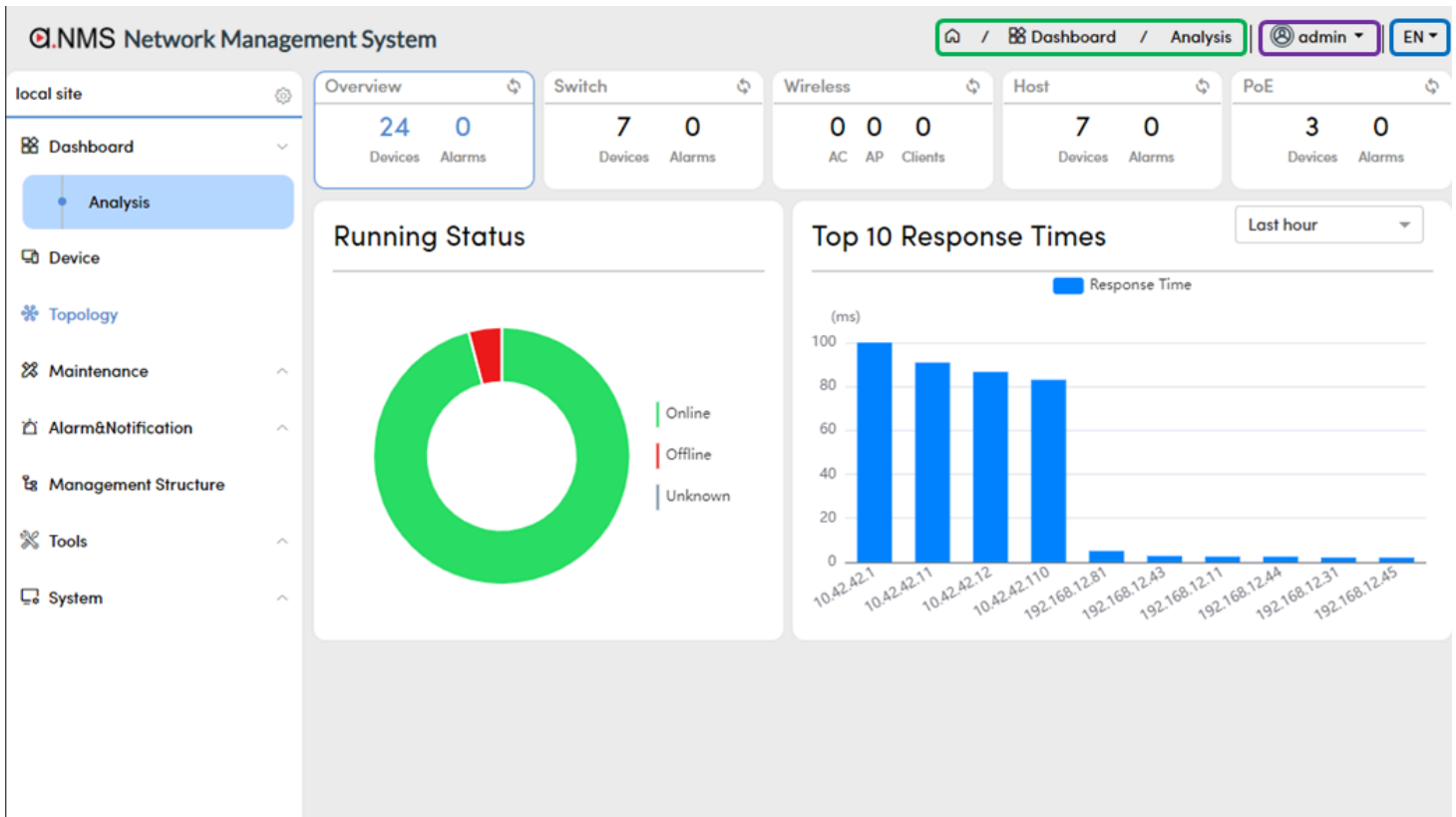
Username: admin

Password: admin



1.2 Dashboard

1.2.1 Analysis and Interface Overview



The top line of the user interface is broken up into three key areas:

1.2.1.1 Bread crumbs


Highlighted by the Green circle above, this will always give you an indication of where you are in the menu and will allow you to back out by clicking on the part you wish to jump to quickly.

1.2.1.2 Current user

Displays the current user and allows you to access the user profile or logout. Highlighted above in violet, clicking it will bring you to a drop-down menu.

1.2.1.2.1 User Profile

User Profile
✕



admin

Administrator

No E-Mail address information

Personal Information

Security

Information

Username*

Nick Name

Location

Telephone

Description

From the user profile dialog box, you can add a picture to personalize your profile by clicking on the image on the left.



The remaining user profile section is divided into two additional sections: Personal Information and Security.

The personal information section allows you to change your username, the only mandatory field. The remaining fields help describe the user permitting additional contact information that may be useful in the future.

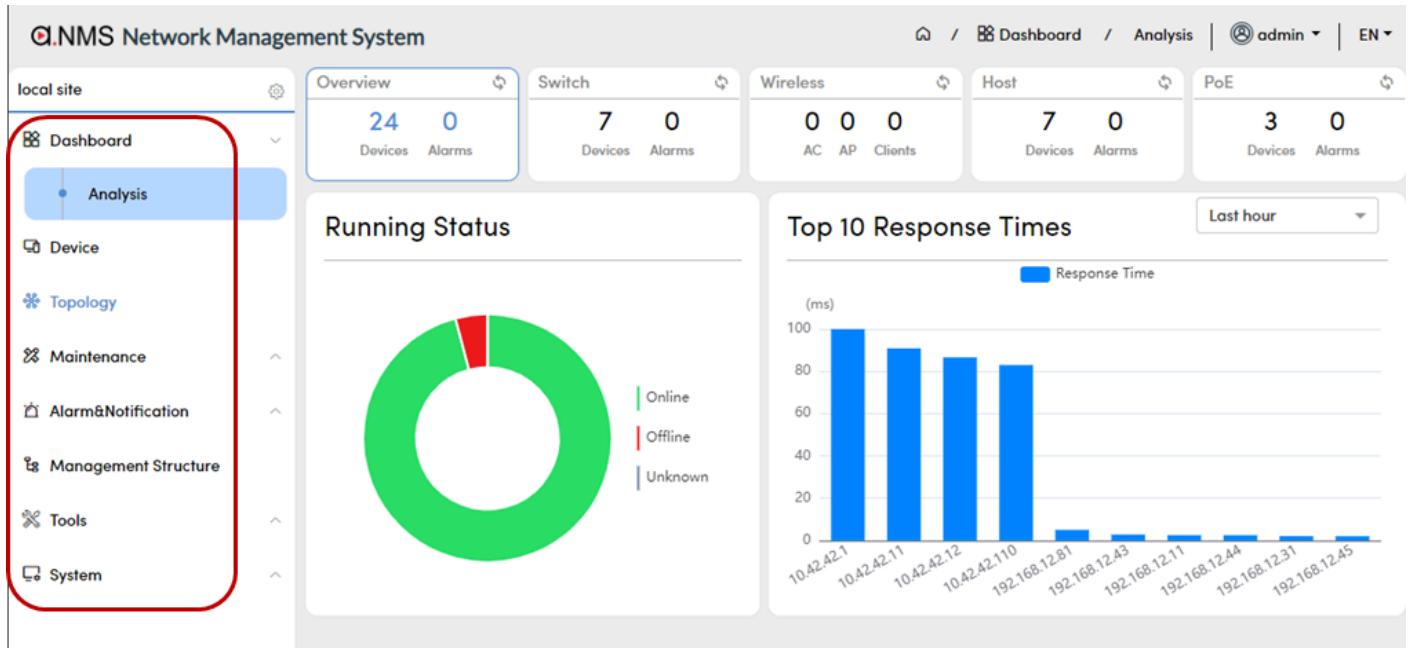
Under security, you can change your password and update/add an email address. The email address is vital as it is required to reset a password in the event it is forgotten.

1.2.1.3 Language

The supported language is English. There is a plan to support other languages in a future version.

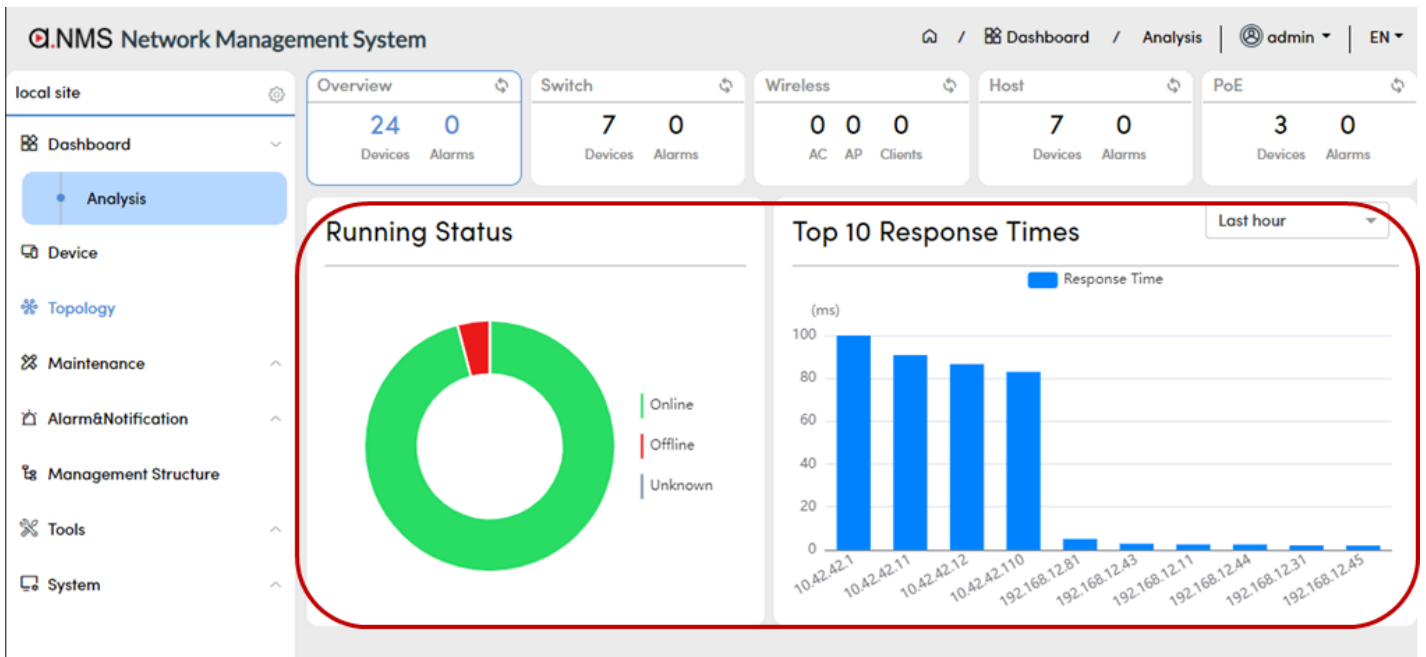
1.2.1.4 Menu bar

The main menu bar will allow you to navigate through the different features.



1.2.1.5 Main Display Window

The main display window will initially display the Dashboard ⇒ Analysis information. This information is set but will be customizable with future feature updates.

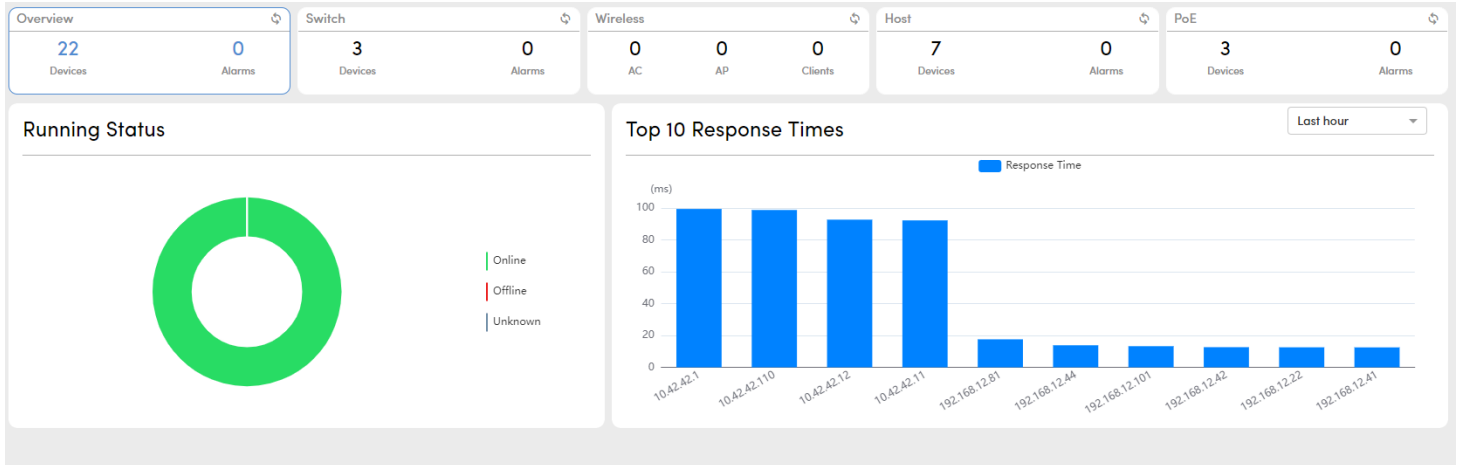


2 Features

2.1 Dashboard

2.1.1 Analysis

Please note that this section is locked and not configurable.



Overview - The number of SNMP devices the NMS finds and how many are in the Alarm state.

Switch - This is the total number of supported Antaira switches the NMS can find.

Wireless - The total number of supported Antaira wireless devices the NMS can find.

Host - This is typically the number of hosts or servers the NMS sees, but in some cases, the NMS may identify an unsupported wireless or switch device as a Host.

PoE - The number of PoE-supported devices the NMS can find.

2.2 Device (list)

The device feature lists all the devices in a table form. There are two tabs in this area: managed and unmanaged. By default, devices fall into the managed category. You can move a device into the unmanaged category if you do not want it to show up when alarms are triggered on that device.

Managed (22) UnManaged (0)													
Move to Unmanaged													
No.	Status	System Na...	IP Addr... ↑	Model Name	MAC Addr...	Firmware V...	Serial Num...	Site	Group	SysLocation	Vendor	sysUpTime	Operation
1	●	ARS-7235-AC	10.42.42.1	Linux Server	c4:93:00:27...			local site	1	DanaPoint		64d 19h 43...	🔍
2	●	LMP-1002G-SF	10.42.42.11	LMP-1002...	7c:cb:0d:0f...	V6.2	1002182210...	local site	2	Dana Point	Antaira	10d 6h 11m ...	🔍
3	●	Hyperion-200	10.42.42.12		78:62:99:01...			local site	1	Dana Point		10d 6h 11m ...	🔍
4	●	DZaveskiHome	10.42.42.110	Linux Server	78:84:3c:df...			local site	1	Dana Point		8d 7h 2m 5...	🔍
5	●	ARS-7131	192.168.12.1	Linux Server	c4:93:00:0f...			local site	1	Las Vegas ...		18d 7h 20m...	🔍
6	●	LMX-3228G-1C	192.168.12.11		7c:cb:0d:0...			local site	1	Las Vegas ...		20d 4h 29...	🔍
7	●	LMX-1600G-T	192.168.12.21		7c:cb:0d:0...			local site	1	Las Vegas ...		20d 4h 28...	🔍
8	●	LMP-0804G-S	192.168.12.22		7c:cb:0d:0...			local site	1	Las Vegas ...		20d 4h 28...	🔍
9	●	LMP-1002G-SF	192.168.12.23	LMP-1002...	7c:cb:0d:0...	V6.2	1002182200...	local site	2	Las Vegas ...	Antaira	13d 5h 25m...	🔍
10	●	LMP-1204G-SF	192.168.12.24	LMP-1204...	7c:cb:0d:0f...	V6.2	1002193210...	local site	2	Las Vegas ...	Antaira	20d 4h 28...	🔍
11	●	LMP-0600v24	192.168.12.25		7c:cb:0d:0...			local site	1	Las		20d 4h 29...	🔍
12	●	LRX-0200	192.168.12.26	Linux Server	c4:93:00:4...			local site	1	Las Vegas ...		17d 6h 41m ...	🔍
13	●	LMP-1202M-SI	192.168.12.27		7c:cb:0d:0...			local site	1	Las Vegas ...		20d 4h 28...	🔍
14	●	LMX-2602G-SI	192.168.12.31		7c:cb:0d:10...			local site	2	Las Vegas ...		5d 22h 24...	🔍
15	●	LMP-1002C-SF	192.168.12.41		7c:cb:0d:0...			local site	1	Las		17d 5h 43m...	🔍
16	●	ARS-7235-AC	192.168.12.42	Linux Server	c4:93:00:2f...			local site	1	Las Vegas ...		17d 6h 40m...	🔍
17	●	LMP-0600-24	192.168.12.43		7c:cb:0d:10...			local site	1	Las Vegas ...		20d 4h 28...	🔍
18	●	LMX-1802G-SF	192.168.12.44		7c:cb:0d:10...			local site	1	Las Vegas ...		20d 4h 29...	🔍
19	●	LMX-1002G-10	192.168.12.45		7c:cb:0d:0...			local site	1	Las Vegas ...		20d 4h 29...	🔍

1 - 20 of 22 Total Items : 22

Page Size: 20

2.2.1 Device List fields

The following fields are currently available:

Status - Green is currently online, while Red is offline.

System Name - This is usually configured on any SNMP device under sysName. Clicking on the System name will open up the Device Detail screen. See the Device Detail Screen information below.

IP address - The IP address at which the NMS discovered the device. Clicking on the IP address will allow you to connect to the device (HTTP, HTTPS, SSH, and Telnet) interface. You may be asked to install PuTTY to connect via SSH and Telnet.

Model Name - Supported Antaira devices will show the device name. Non-Antaira devices may display generic information.

MAC Address - The MAC address of the device.

Firmware Version - Supported Antaira devices will show the correct firmware version. Non-Antaira devices may display generic information.

Serial Number - Supported Antaira devices will show the correct serial number.

Site - Currently, only one site can be configured, but in future version updates, it will be possible to have multiple sites, allowing for better organization of devices.

Group - Groups are currently not fully implemented, but in the future, groups can be used to perform backups of configuration files, restore configuration files, and even update firmware. A device can be part of many groups.

SysLocation - This is usually configured on any SNMP device under sysLocation.

Vendor-Supported Antaira Devices will show the correct vendor.

SysUpTime - The amount of time the device has been running.

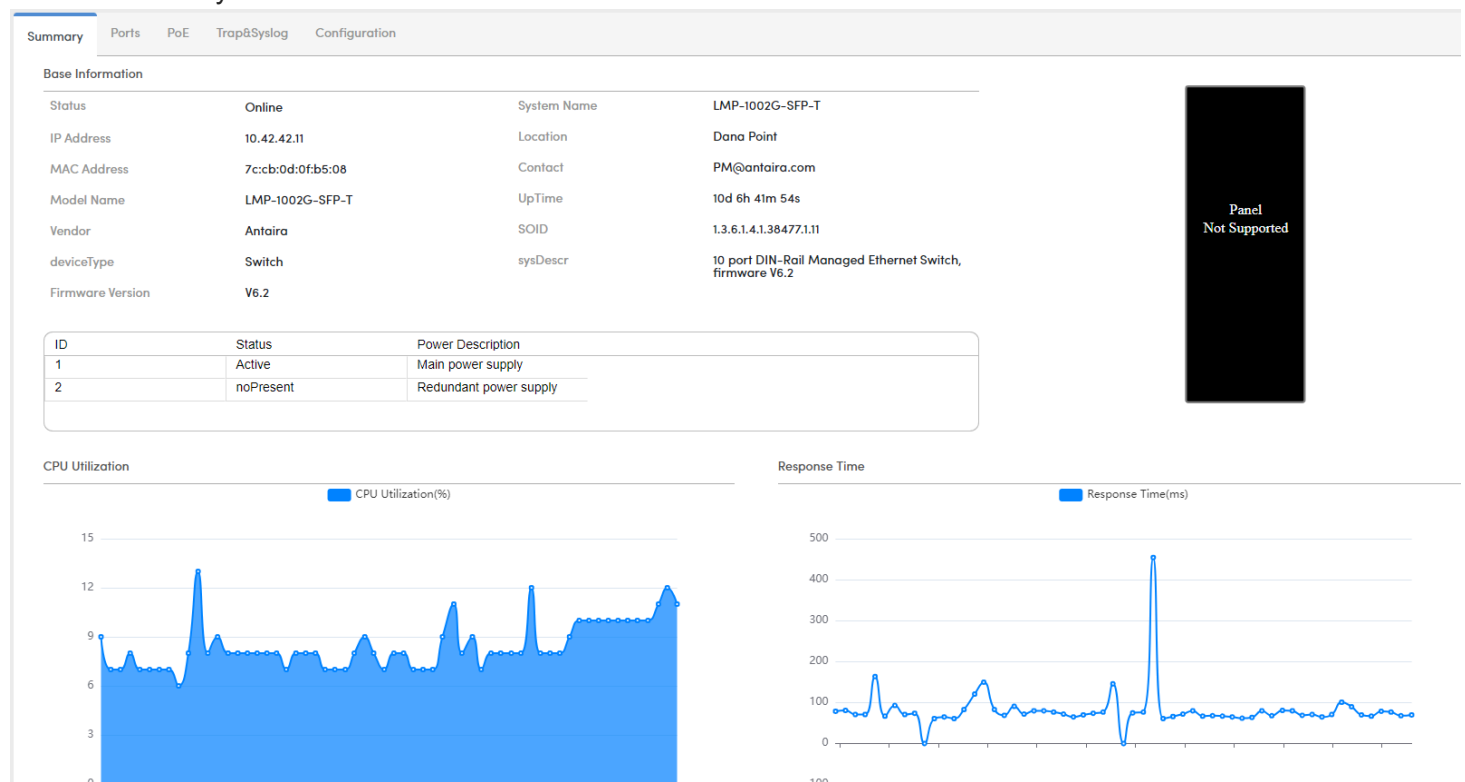
Operation - This will allow users to move the device into the UnManaged category.

It is possible to sort these fields by clicking the column name. The order in which the columns appear can also be changed by dragging the column into the new position. Currently, it is not possible to add columns containing other data, nor is it possible to remove a column. Still, changing the column width makes it possible to minimize information display.

2.2.2 Device Detail

Supported Antaira devices will show more information than unsupported devices

2.2.2.1 Summary



The device detail summary will display base information about the device and information about the power supplies, CPU utilization, and response time to the NMS queries.

2.2.2.2 Ports

Summary
Ports
PoE
Trap&Syslog
Configuration

Port List

IfIndex	Status	IfName	ifAlias	Speed (Mb...	In Octets (...	Out Octets (...	In Ucast (pa...	Out Ucast (pa...	Admin Stat...
1	down				0	0	0	0	up
10000...	up	GigabitEtherne...	Gi 1/1	1000	609647599	543789575	1709950	1598172	up
10000...	up	GigabitEtherne...	Gi 1/2	1000	86202982	556927502	300677	539087	up
10000...	down	GigabitEtherne...	Gi 1/3	10	0	0	0	0	up
10000...	down	GigabitEtherne...	Gi 1/4	10	0	0	0	0	up
10000...	down	GigabitEtherne...	Gi 1/5	10	0	0	0	0	up
10000...	down	GigabitEtherne...	Gi 1/6	10	0	0	0	0	up
10000...	up	GigabitEtherne...	Gi 1/7	1000	291841267	50683910	584273	461031	up
10000...	down	GigabitEtherne...	Gi 1/8	10	0	0	0	0	up
10000...	down	GigabitEtherne...	Gi 1/9	10	0	0	0	0	up
10000...	down	GigabitEtherne...	Gi 1/10	10	0	0	0	0	up

Last Hour Traffic 1000001

■ Rx ■ Tx ■ Packets

The device detail ports page will display detailed information about each port and graph the traffic flow of the switch. Columns can be sorted by clicking on column titles.

2.2.2.3 PoE (only available on PoE/PSE devices)

Summary | Ports | PoE | Trap&Syslog | Configuration

PoE Power Supply Summary

■ PoE Power Supply Summary

Power Over Ethernet Status

Local Port	PD Class	Power Reserved(dW)	Power Used(dW)	Current Used(mA)	Power Status
1000001	-	0	0	0	No PD Detected
1000002	-	0	0	0	No PD Detected
1000003	-	0	0	0	No PD Detected
1000004	-	0	0	0	No PD Detected
1000005	-	0	0	0	No PD Detected
1000006	-	0	0	0	No PD Detected
1000007	-	0	0	0	No PD Detected
1000008	-	0	0	0	No PD Detected

The device detail PoE page displays information about the PoE ports. This tab is only available for PoE switches. A graph of the PoE usage and a list of PoE ports showing the power consumption parameters, including whether a PoE/PD device is connected. Columns can be sorted by clicking on column titles.

PoE - Power over Ethernet

PoE/PD - Power over Ethernet Powered Device (uses PoE)

PoE/PSE - Power over Ethernet Power Sourcing Equipment. (provides PoE)

2.2.2.4 SNMP Trap and Syslog

Summary	Ports	PoE	Trap&Syslog	Configuration
Trap		Syslog		
Time	SNMP Versi...	Generic Ty...	Original Message	Translated Message
2024-08-08 0...	v2c/v3	EnterpriseS...	Trap OID: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:1.3.6.1.2.1.1.3.0=1972-03-05 13:49 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]	Trap OID Name: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:sysUpTime.0=1972-03-05 13:49 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]
2024-07-31 10...	v2c/v3	EnterpriseS...	Trap OID: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:1.3.6.1.2.1.1.3.0=1970-01-02 4:4 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]	Trap OID Name: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:sysUpTime.0=1970-01-02 4:4 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]
2024-07-31 10...	v2c/v3	EnterpriseS...	Trap OID: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:1.3.6.1.2.1.1.3.0=1970-01-01 19:24 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]	Trap OID Name: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:sysUpTime.0=1970-01-01 19:24 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]
2024-07-31 10...	v2c/v3	EnterpriseS...	Trap OID: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:1.3.6.1.2.1.1.3.0=1970-01-01 18:33 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]	Trap OID Name: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:sysUpTime.0=1970-01-01 18:33 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1 =[object Object]

SNMP Traps and Syslog entries specific to this device are displayed here. Columns can be sorted by clicking on column titles. The devices must be configured to send Traps and Syslog messages to the NMS before any information will appear here.

2.2.2.5 Configuration

Summary
Ports
PoE
Trap&Syslog
Configuration

Device Base Information

System Name

Location

Contact

SNMP Credential

Read/Write Community

Port

Telnet/SSH Credential

SSH Credential

Username

Password

Port

Telnet Credential

Port

With supported devices, the following parameters can be configured:

System Name - The Sysname can also be set through the device user interface (GUI or CLI).

Location - Location information can also be set through the device user interface (GUI or CLI).

Contact - The contact parameter can also be set through the device user interface (GUI or CLI).

SNMP Credentials

Read/Write Community - View only of the Community parameter set on the device.

Port - View only of the port parameter set on the device.

SSH Credentials (may not work correctly - bug?)

Username - Set the username for SSH connections.

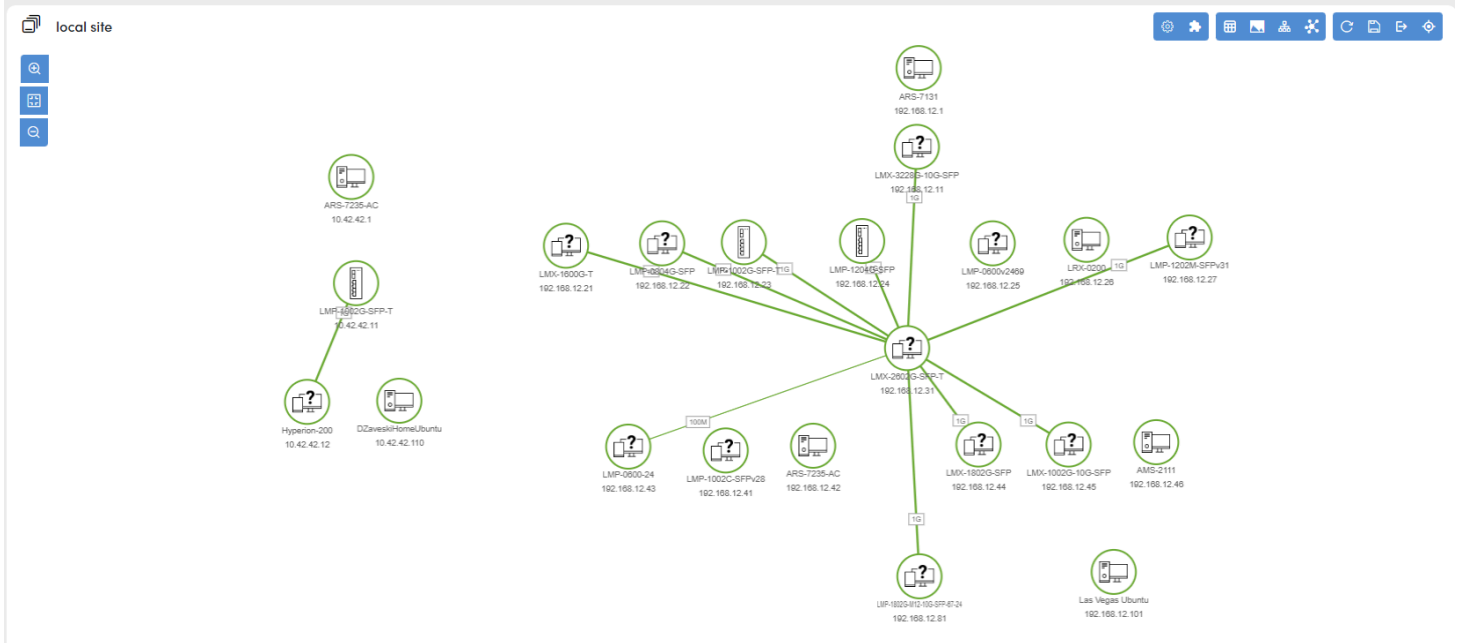
Password - Set the password for SSH connections.

Port - Set the port for SSH connections.

Telnet Credentials

Port - Set the port for Telnet connections.

2.3 Topology



2.3.1 Overview

2.3.1.1 Selecting the site



The current version of the software only permits one site. Multiple sites could be created in future versions, and selecting which site to display would be done here.

2.3.1.2 Screen sizing features



The topological graph can be zoomed in or out using these tools. The middle icon resets the screen back to the original view.

2.3.1.3 Display Settings and Legend



2.3.1.3.1 Device Information

Device Information

Device Name IP

Link Information

Bandwidth Utilization

By checking the boxes here, you can select whether you want to display the device name, the IP address, or both. Additionally, you can choose the information that will be shown about the links similarly.

2.3.1.3.2 Device Type

Device Type

Switch	Host	AP	Unknown

Device State

Online	Offline	Unmanaged	Unknown

Link State

Up	Down	Block	Unknown

Link Type

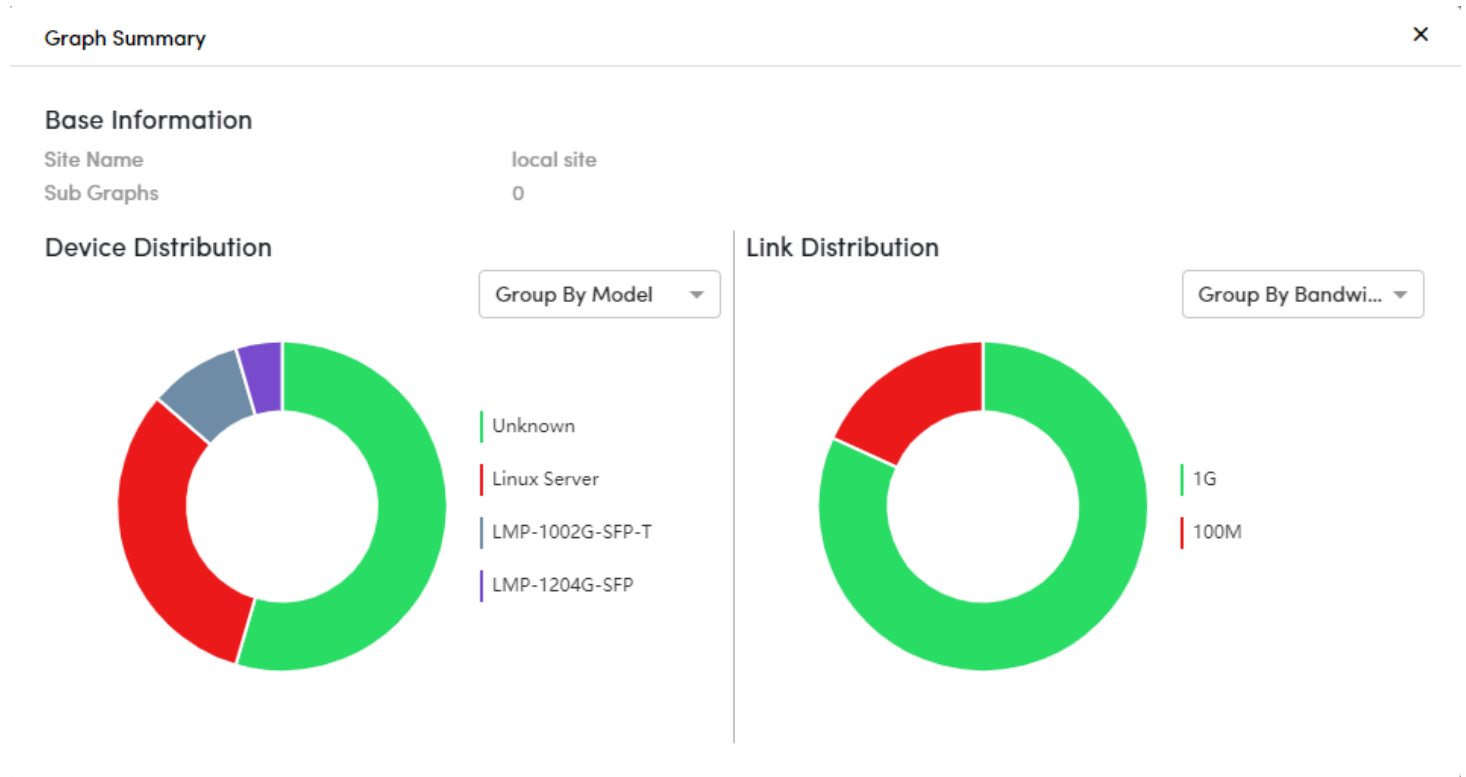
Normal	LACP	ERPS	Blocking

The Legend helps better understand what information is being displayed.

2.3.1.4 Display Structures

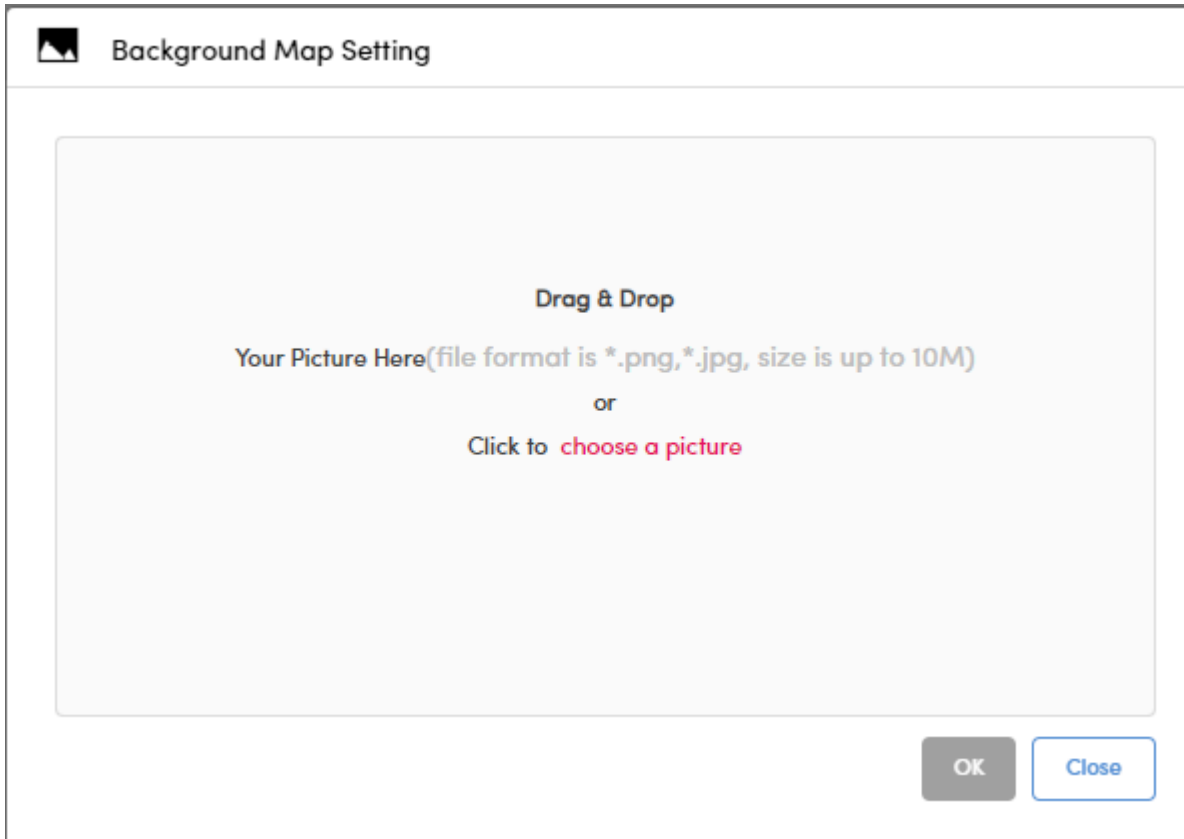


2.3.1.4.1 Graph Summary



The Graphic summary provides a quick overview of the device and link type distribution. Several different groupings are possible by selecting the different drop-down options.

2.3.1.4.2 Background Map Settings



A background image can be added here to help better illustrate the layout of the network diagram. The image can also be deleted from here.

2.3.1.4.3 Tree View

This will rearrange the devices in a tree structure. This will replace any arranging that may have been done and saved in the past.

2.3.1.4.4 Star View

This will rearrange the devices in a star structure. This will replace any arranging that may have been done and saved in the past.

2.3.1.5 Additional features



2.3.1.5.1 Graph Refresh

This is to refresh the graph to show any changes or updates in the status of the devices and links.

2.3.1.5.2 Save Graph

This will save changes made to the graph so that the next visit will remember the layout.

2.3.1.5.3 Graph Export

This will export an image of the graph.

2.3.1.5.4 Graph Search

It may be hard to find a particular device in Graphs with many icons. This will allow you to search the graph for a device.

2.3.1.6 When highlighting a device

When a device is selected on the graph, the following options appear:



2.3.1.6.1 Web Homepage

This will allow you to jump to the device's web interface page. This assumes that the device has a web interface at the IP address of the device.

2.3.1.6.2 Detail Page

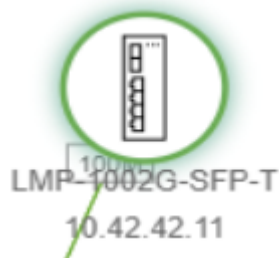
This will open a new tab on the browser and display the device's details page. More information can be found here "2.2.2 Device Detail."

2.3.1.6.3 Delete

Currently, devices can not be added to the graph manually. All devices must be discovered. The delete feature deletes any manually created devices or devices no longer found.

2.3.2 General graphical features

2.3.2.1 Moving devices



Icons on the graph represent devices. These icons can be moved by clicking on the left and holding the button down while moving the mouse. If you want the changes to be permanent, save the graph (see 2.3.1.5.2 Save Graph).

2.3.2.2 Hovering over devices

Device Information			
Name	LMP-1002G-SFP-T	Type	managed
IP	10.42.42.11	MAC	7c:cb:0d:0f:b5:08
Type	Switch	Model	LMP-1002G-SFP-T
Status	online	Serial number	100218221090029
System Up Time	96066121	CPU Utilization	7%

Hovering over a device will display the above information about that device.

2.3.2.3 Hovering over Links

Line Information			
Status	up	Detection Source	LLDP
Capacity	100M	Utilization	-
Traffic RX / TX			
Last Updated	2024-08-14 12:21:26		

Line Port	
IP	Port
10.42.42.11	GigabitEthernet 1/7
10.42.42.12	Port 21

Hovering over a link will display information about the link, as seen above.

2.3.2.4 Zooming using the Mouse

You can zoom in and out using the wheel of the mouse







2.3.2.5 Moving the Graph

You can move the whole graph around as one piece by selecting a part of the screen without icons. Just hold down the mouse button and move the mouse.

2.4 Maintenance

These features are only available for supported devices. Please see the list of supported devices (3.1 Supported devices).

2.4.1 Firmware Management for Antaira devices

<input type="checkbox"/>	Status	Result	System Name	IP Address	Model Name	MAC Address	Firmware Ver	Site	Group	Operation
<input type="checkbox"/>	●	timeout	LMP-1002G-SFP-T	10.42.42.11	LMP-1002G-SF...	7c:cb:0d:0f:b5:...	V6.2	local site	2	 
<input type="checkbox"/>	●	failed	LMP-1002G-SFP-T	192.168.12.23	LMP-1002G-SF...	7c:cb:0d:0e:8f:...	V6.2	local site	2	 
<input type="checkbox"/>	●	-	LMP-1204G-SFP	192.168.12.24	LMP-1204G-SFP	7c:cb:0d:0f:9d:...	V6.2	local site	2	 

Columns can be sorted by clicking on the column titles.

2.4.1.1 Check Box

The check box can select several devices to perform firmware updates to multiple devices. Future releases will allow you to select groups of devices for this purpose.

2.4.1.2 Status

This is the device's online status. This helps determine if the device is prepared for a firmware update. Green is online, and Red is unavailable.

2.4.1.3 Result

This field will only have an entry if a firmware update has been attempted. A single dash will be displayed if no previous firmware update has been attempted. By clicking on the result, you can see the history of past attempts to upgrade.

Result					
St...	Executon Time	Firmware Name	Previo...	Upgra...	Result Messa
●	2024-07-31 09:43:49	E5V40-01-2602-2C-A...	V6.2		succeed
●	2024-08-07 14:06:...	E5V40-01-2602-2C-A...	V6.2		failed

Status - Icon indicating how successful the operation was. [Purple = succeeded; Red = Failed]

Execution Time - Date and time when an update was started.

Firmware Name - Name of the firmware used for the update.

Previous Version - The version of firmware previously used.

Upgraded Version - The updated firmware version if the operation was successful.

Resulting Message - A message indicating how successful the update was.

2.4.1.4 System Name

Clicking on the system name will bring up the details page for that device; see "2.2.2 Device Detail" for more information. This is the name of the device that is set in the device's software configuration.

2.4.1.5 IP Address

Clicking on the IP address will open a new tab in the browser, sending you to the device's web interface.

2.4.1.6 Model Name

The manufacturer sets this device's name, and is not configurable through any user interface.

2.4.1.7 MAC Address

This is the MAC (Media Access Control) address used for Layer 2 communications. Every device on the LAN must have a unique MAC address.

2.4.1.8 Firmware Version

The current version of firmware running on the device

2.4.1.9 Site

Currently, the NMS is only capable of having one site. In the future, multiple sites can be created to help organize the devices in the NMS.

2.4.1.10 Group

Groups are only partially implemented and will eventually play a big part in firmware updates and backing up and restoring firmware. But for now, they have played no significant role in the NMS.

2.4.1.11 Operation

If an update is waiting to be executed as a scheduled event, it can be stopped or edited by clicking on one of the operation icons.

2.4.1.12 Firmware Update

Checking one of the boxes described in 2.4.1.1 will allow you to click the "Firmware Upgrade" button.



Doing this will bring up the following dialog box.

FW Upgrade
×

LMP-1002G-SFP-T

Firmware Files

E5V40-01-2602-2C-A_6.2...

System Na...	Ip Addr	Mac Addr	Fw Versi...	Sitename
LMP-1002...	192.168.12....	7c:cb:0d:0e:8...	V6.2	local site

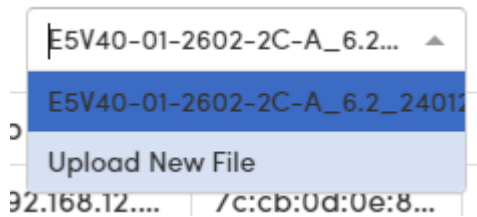
Schedule

Upgrade by Schedule

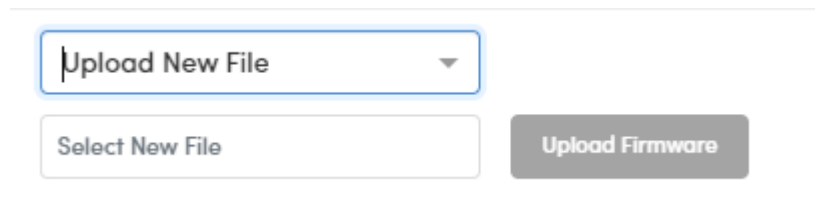
Save

Cancel

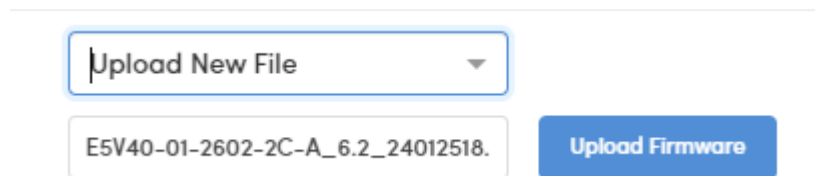
Firmware Files - This will list all the files available for the selected device. If no file exists in the system or you want to load a new file, select “Upload New File” from the drop-down menu.



You will then see this.



By clicking “Select New File,” you can browse the files on your computer for the one you want to upload.



You can now “Upload Firmware”. Once that is uploaded, you should be able to find the file in the drop-down as you see below:



You now have two options:

- You can click the Save button to execute the firmware update command immediately.
- You can schedule the update by toggling the “Upgrade by Schedule” slider.

Schedule

Upgrade by Schedule

Special a Day

Time

Once you have selected the date and time of the update, you can click on the save button.

If you have scheduled the task, it should appear in the Firmware management table like this

<input type="checkbox"/>	Status	Result	System Name	IP Address	Model Name	MAC Address	Firmware Ver	Site	Group	Operation
<input type="checkbox"/>	●	failed	LMP-1002G-SFP-T	10.42.42.11	LMP-1002G-SF...	7c:cb:0d:0f:b5...	V6.2	local site	2	
<input type="checkbox"/>	●	waiting for Upgrade 2024-08-18 17	LMP-1002G-SFP-T	192.168.12.23	LMP-1002G-SF...	7c:cb:0d:0e:81...	V6.2	local site	2	
<input type="checkbox"/>	●	failed	LMP-1204G-SFP	192.168.12.24	LMP-1204G-SFP	7c:cb:0d:0f:9d...	V6.2	local site	2	

2.4.2 Configuration Management

<input type="checkbox"/>	No.	Status	Result	System Name	Ip Addr	Module Name	Mac Addr	Fw Version	Sitename	Group	Operation
<input type="checkbox"/>	1	●	failed	LMP-1002G-SFP	10.42.42.11	LMP-1002G-SFP-T	7c:cb:0d:0f:b...	V6.2	local site	2	
<input type="checkbox"/>	2	●	succeed	LMP-1002G-SFP	192.168.12.23	LMP-1002G-SFP-T	7c:cb:0d:0e:8...	V6.2	local site	2	
<input type="checkbox"/>	3	●	succeed	LMP-1204G-SFP	192.168.12.24	LMP-1204G-SFP	7c:cb:0d:0f:9...	V6.2	local site	2	

Columns can be sorted by clicking on the column titles. The following table column definitions are accurate for backup and restore tabs.

2.4.2.1 Check Box

The check box can select several devices to perform firmware updates to multiple devices. Future releases will allow you to select groups of devices for this purpose.

2.4.2.2 Number (No.)

Order in which the items appear on this screen











2.4.2.3 Status

This is the device's online status. This helps determine if the device is prepared for a configuration backup or restore. Green is online, and Red is unavailable.

2.4.2.4 Result

This field will only have an entry if a backup (or restore if on the restore tab) has been performed on the device. A single dash will be displayed if no previous action has been attempted. By clicking on the result, you can see the history of past attempts to backup or restore a configuration file to this device.

Historical Result ✕

Status	Executon Time	Config Type	Backup File	Result Message
	2024-08-04 20:57:...	startup-config	192.168.12.23_2024...	succeed
	2024-07-31 01:37:26	startup-config		failed
	2024-08-03 13:15:39	startup-config	192.168.12.23_2024...	succeed
	2024-08-07 14:10:32	startup-config	192.168.12.23_2024...	succeed
	2024-07-31 07:49:57	startup-config	192.168.12.23_2024...	succeed
	2024-07-31 02:07:48	startup-config	192.168.12.23_2024...	succeed
	2024-08-04 11:00:00	startup-config	192.168.12.23_2024...	succeed
	2024-08-07 11:00:00	startup-config	192.168.12.23_2024...	succeed
	2024-08-07 17:27:16	startup-config	192.168.12.23_2024...	succeed
	2024-08-09 11:00:00	startup-config	192.168.12.23_2024...	succeed

OK

Status - Icon indicating how successful the operation was. [Purple = succeeded; Red = Failed]

Execution Time - Date and time when the backup or restore was started

Configuration Type - (running-config or startup-config) The running configuration may differ from the startup configuration if changes have been made without saving.

Backup File - The name of the file saved on the system when the backup or restore was successful

Resulting Message - A message indicating how successful the operation was

2.4.2.5 System Name

Clicking on the system name will bring up the details page for that device; see “2.2.2 Device Detail” for more information. This is the name of the device that is set in the device's software configuration.

2.4.2.6 IP Address

Clicking on the IP address will open a new tab in the browser, sending you to the device's web interface.

2.4.2.7 Module Name

The manufacturer sets this device's name and is not configurable through any user interface.

2.4.2.8 MAC Address

This is the MAC (Media Access Control) address used for Layer 2 communications. Every device on the LAN must have a unique MAC address.

2.4.2.9 Fw Version

The current version of firmware running on the device

2.4.2.10 Site Name

Currently, the NMS is only capable of having one site. In the future, multiple sites can be created to help organize the devices in the NMS.

2.4.2.11 Group

Groups are only partially implemented and will eventually play a big part in firmware updates and backing up and restoring firmware. But for now, they have played no significant role in the NMS.

2.4.2.12 Operation

If a backup or restore is waiting to be executed as a scheduled event, it can be stopped or edited by clicking on one of the operation icons.

2.4.2.13 Backup (while on the backup tab)

Checking one of the boxes, as described in 2.4.2.1, will allow you to click on the "Backup" button.



Bringing you to the following dialog box

Config Backup
✕

Details

Source File startup-config ▼

Schedule

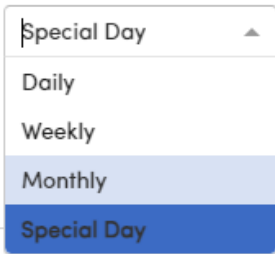
Backup by Schedule

Save
Cancel

The Source File drop-down box will allow you to choose between the startup or running configuration you wish to perform the backup.

You now have two options:

- You can click the Save button to execute the backup command immediately.
- You can schedule the update by toggling the “Upgrade by Schedule” slider.



A dropdown menu with the following options: Special Day (selected), Daily, Weekly, Monthly, and Special Day (highlighted in blue).

Select the frequency or Special Day for your backup. If this is just a one-time scheduled backup, select “Special Day.” The rest of the dialog box will be tailored to your choice in the dropdown box. Complete the schedule information and click save to schedule the task.

<input type="checkbox"/>	No.	Status	Result	System Name
<input type="checkbox"/>	1	●	failed	LMP-1002G-SFP
<input type="checkbox"/>	2	●	Waiting for Backup 2024-08-14 1	LMP-1002G-SFP
<input type="checkbox"/>	3	●	succeed	LMP-1204G-SFP

You should now see the backup has been scheduled in the backup table.

2.4.2.13 Restore (while on the restore tab)

Checking one of the boxes described in 2.4.2.1, will allow you to click on the “Restore” button.

Restore

This brings you to the following dialog box.

Config Restore
×

Details

Destination File startup-config

System Na...	Ip Addr	Module Name	Source File
LMP-1204...	192.168.12.24	LMP-1204G-SFP	192.168.12.24_202... ↕

Schedule

Restore by Schedule

Save
Cancel

The Destination File drop-down box will allow you to choose between the startup or running configuration you wish to use for the Restore. Note that if you select running configuration, you can replace the whole configuration or merge a partial configuration file. This can be handy when adding a new configuration feature across multiple switches.

Select the appropriate source file for your restore using the list of systems table.

You now have two options:

- A) You can click the Save button to execute the backup command immediately.
- B) You can schedule the update by toggling the “Upgrade by Schedule” slider.

Select the frequency or Special Day for your restore. If this is just a one-time scheduled restore, select “Special Day.” The rest of the dialog box will be tailored to your choice in the dropdown box. Complete the schedule information and click save to schedule the task.

<input type="checkbox"/>	No.	Status	Result	System Name	Ip Addr
<input type="checkbox"/>	1	●	-	LMP-1002G-SFP	10.42.42.11
<input type="checkbox"/>	2	●	succeed	LMP-1002G-SFP	192.168.12.23
<input type="checkbox"/>	3	●	Waiting for Restore 2024-08-14 1	LMP-1204G-SFP	192.168.12.24

2.4.3 File Management

Upload File Delete Y

<input type="checkbox"/>	File Name	File Type	Model Name	File Size	Status	MD5	Upload Date	Description	Operation
<input type="checkbox"/>	192.168.12.23_20240730...	Configuration	LMP-1002G-SFP-T	1.49 K	Not Used	fbaa1193b108511f4b5c4b...	2024-07-30 21:1...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240731_...	Configuration	LMP-1002G-SFP-T	1.49 K	Not Used	fbaa1193b108511f4b5c4b...	2024-07-31 02:...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240731_...	Configuration	LMP-1002G-SFP-T	1.49 K	Not Used	fbaa1193b108511f4b5c4b...	2024-07-31 07:...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240803...	Configuration	LMP-1002G-SFP-T	1.69 K	Not Used	7313abf7526b4a623544...	2024-08-03 13:1...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240804...	Configuration	LMP-1002G-SFP-T	1.69 K	Not Used	7313abf7526b4a623544...	2024-08-04 11:...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240804...	Configuration	LMP-1002G-SFP-T	1.69 K	Not Used	7313abf7526b4a623544...	2024-08-04 20:...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240807...	Configuration	LMP-1002G-SFP-T	1.69 K	Not Used	7313abf7526b4a623544...	2024-08-07 11:0...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240807...	Configuration	LMP-1002G-SFP-T	1 K	Not Used	113b92589c39f74eafe4d2...	2024-08-07 14:1...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240807...	Configuration	LMP-1002G-SFP-T	1.69 K	Not Used	7313abf7526b4a623544...	2024-08-07 17:...		🔗 🗑️
<input type="checkbox"/>	192.168.12.23_20240809...	Configuration	LMP-1002G-SFP-T	1.69 K	Not Used	7313abf7526b4a623544...	2024-08-09 11:...		🔗 🗑️

2.4.3.1 Check Box

The check box can select several files to perform operations on multiple files simultaneously, for example, when deleting files.

2.4.3.2 File Name

The name of the file in the system (NMS). If a backup generates this file, it will start with the IP address of the source device, followed by the date and the timestamp. Firmware files can also be found here. It is possible to load additional files from here, but firmware files can also be loaded when configuring a firmware update; see section 2.4.1 for more information.

2.4.3.3 File Type

Currently, there are two types of files: configuration files used in backup and restore and firmware files used to update devices to newer firmware.

2.4.3.4 Model Name

This is the model name associated with the file.

2.4.3.5 File Size

The file size can be a great indicator if the file is the one you want.

2.4.3.6 Status

Doesn't seem to be functioning at this time.

2.4.3.7 MD5

An MD5 checksum is a 32-character hexadecimal number computed on a file. If two files have the same MD5 checksum value, then there is a high probability that the two files are the same.

2.4.3.8 Upload Date

The date and time the file was uploaded to the system

2.4.3.9 Description

The file description is something that can be added or changed in the File Management section. It is a feature that allows notes to be associated with the file, helping to keep track of important information.

2.4.3.10 Operation

Edit - Allows you to edit information about the file. When the edit file icon is clicked the following dialog box appears.

✚ Edit File
✕

File Information

File Name	192.168.12.23_20240731_020748.cfg
File Type	Configuration
File Size	1.49 K
Upload Date	2024-07-31 02:07:48
Status	Not used
Description	<input style="width: 100%; height: 30px;" type="text"/>

Corresponding Device

Module Name	<input style="width: 80%;" type="text" value="LMP-1002G-SFP-T"/>
Device	<input style="width: 80%;" type="text" value="LMP-1002G-SFP-T"/>

From this dialog box, notes can be added to the description text box, additionally, the file can be associated with different devices.

Download -

This will allow you to download the file. If it is a configuration file, you can edit it in Notepad.


Delete -

This will delete the file from the system; once it is deleted, it is gone, and there isn't a recycle bin.

2.4.3.11 List Operations



Clicking the Upload File button will bring up the following screen.

 Upload File
×

File Information

File Name

File Type

Description

Corresponding Device

Model Name

Select New File -

Clicking “Select New File” will allow you to find and select a file on your computer and select it.

File Type -

When you upload a file, the NMS will need to know if it is a configuration or a firmware file and select the correct file type.

Description -

The description is not mandatory but is extremely helpful when sorting through many files that look the same.

Model Name -

If you are uploading a configuration file, you can specify “common” so that the file can be used across multiple devices. With firmware, you must select the model name associated with that file.



The Delete button on the main file management screen is used when multiple files are selected, and all the files must be deleted. It will be grayed out if no files are selected.



The search feature is helpful in finding files that may be hard to find when sorting columns. Clicking this icon will bring up the following dialog area.

File Type File Name 

2.4.4 (Configuration) File Comparison (and Editing)

This is for comparing configuration files and is not used with firmware files.

Left File

Model Name*

Device

File

Right File

Model Name*

Device

File

Comparison Result

<pre> 1 banner motd "Antaira Technologies, Authorized Access Only." 2 hostname LHP-1002G-SFP-1 3 username admin privilege 15 password encrypted 1d52e11f48a0bca702fa54d39e7643f4570da965d6 4 ! 5 vlan 1 6 ! 7 ! 8 ! 9 ! 10 ip route 0.0.0.0 0.0.0.0 192.168.12.1 11 spanning-tree mst name 7C-CB-0D-0E-8F-DD revision 0 12 snmp-server contact PH 13 snmp-server location Las Vegas Office 14 ! 15 voice vlan oui 00-01-E3 description Siemens AG phones 16 voice vlan oui 00-03-08 description Cisco phones 17 voice vlan oui 00-0F-E2 description H3C phones 18 voice vlan oui 00-60-B9 description Philips and NEC AG phones 19 voice vlan oui 00-D0-1E description Pingtel phones 20 voice vlan oui 00-E0-75 description Polycom phones 21 voice vlan oui 00-E0-B8 description 3Com phones 22 ! 23 interface GigabitEthernet 1/1 24 ! 25 interface GigabitEthernet 1/2 26 ! 27 interface GigabitEthernet 1/3 28 ! 29 interface GigabitEthernet 1/4 30 ! 31 interface GigabitEthernet 1/5 32 ! 33 interface GigabitEthernet 1/6 </pre>	<pre> 1 banner motd "Antaira Technologies, Authorized Access Only." 2 hostname LHP-1002G-SFP 3 username admin privilege 15 password encrypted 1d52e11f48a0bca702fa54d39e7643f4570da965d6 4 ! 5 vlan 1 6 ! 7 ! 8 ! 9 ! 10 ip route 0.0.0.0 0.0.0.0 192.168.12.1 11 spanning-tree mst name 7C-CB-0D-0E-8F-DD revision 0 12 snmp-server contact PH 13 snmp-server location Las Vegas Office 14 ! 15 voice vlan oui 00-01-E3 description Siemens AG phones 16 voice vlan oui 00-03-08 description Cisco phones 17 voice vlan oui 00-0F-E2 description H3C phones 18 voice vlan oui 00-60-B9 description Philips and NEC AG phones 19 voice vlan oui 00-D0-1E description Pingtel phones 20 voice vlan oui 00-E0-75 description Polycom phones 21 voice vlan oui 00-E0-B8 description 3Com phones 22 ! 23 interface GigabitEthernet 1/1 24 ! 25 interface GigabitEthernet 1/2 26 ! 27 interface GigabitEthernet 1/3 28 ! 29 interface GigabitEthernet 1/4 30 ! 31 interface GigabitEthernet 1/5 32 ! 33 interface GigabitEthernet 1/6 </pre>
---	---

You can track the changes by loading two different files or even the exact file you wish to edit. In the example above, the host name is only different. The yellow highlight shows the differences. Arrows between the two documents will allow you to copy the differences from one file to the other. You can also just edit the file to make changes from here.

Model Name - The model name of the device you would like to review; use "common" to find files that can be used for all switches.

Device - The specified device the file was backed up from or assigned to. This field is grayed out if "common" is selected for Model Name.

File - This drop-down will list all the files associated with the above Model Name and Device.

Reload - If changes have been made, the original files must be redisplayed.

SaveAs - If changes need to be saved, a new file can be created with the changes.

2.5 Alarm & Notification

2.5.1 Trap & Syslog

This section is still under development and lacks many features and functionality. Columns can be sorted by clicking on headers and column positions can be changed by dragging them to new positions.

Time ↑	System Na...	IP Address	SysLocation	SNMP Versi...	Generic Type	Original Message	Translated Message
2024-07-31 09:...	LMP-1002...	192.168.12.23	Las Vegas ...	v2c/v3	EnterpriseSpecific	Trap OID: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:1.3.6.1.2.1.1.3.0=1970-01-01 1:56 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1=[object Object]	Trap OID Name: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:sysUpTime.0=1970-01-01 1:56 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1=[object Object]
2024-07-31 09:...	LMP-1002...	192.168.12.23	Las Vegas ...	v2c/v3	EnterpriseSpecific	Trap OID: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:1.3.6.1.2.1.1.3.0=1970-01-01 1:56 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1=[object Object]	Trap OID Name: 1.3.6.1.4.1.38477.1.11.1.48.1.3.1 Binding Variable:sysUpTime.0=1970-01-01 1:56 Binding Variable:1.3.6.1.4.1.38477.1.11.1.48.1.3.1=[object Object]
2024-07-31 09:...	LMP-1002...	192.168.12.23	Las Vegas ...	v2c/v3	LinkUp	Trap OID: 1.3.6.1.6.3.1.1.5.4 Binding Variable:1.3.6.1.2.1.1.3.0=1969-12-31 16:36 Binding Variable:1.3.6.1.2.1.2.2.1.1.1000009=100009	Trap OID Name: linkUp Binding Variable:sysUpTime.0=1969-12-31 16:36 Binding Variable:ifIndex.1000009=Port9 Binding Variable:ifAdminStatus.1000009=up

2.6 Management Structure

2.6.1 Organization

This is the area for customizing the NMS for a company's installation. This is not fully implemented at this time.

Organization
Site
Group

Organization Name*

Customized Logo

Drag & Drop Logo File Here, or [Browse](#)

Country/Region*

Server Time Zone*

Organization Name - This is a mandatory field and should hold the company name for reference.

Customized Logo - A company logo can be added (not fully implemented).

Country/Region - List the country for this organization.

Server Time Zone - The time zone in which the server is located.

2.6.2 Site

Organization
Site
Group

local site

Device Count: 22

Location:

Status: Ending

Schedule: daily

Edit
Discover
View Result

Only one site can be created, but many sites can be added in the future.

Device Count - The number of unique devices found in the discovery process.

Location - This parameter is set in the site configuration (see edit site below).

Status - The server is where the discovery process is.

Schedule - This shows how often the discovery process takes place.

Edit - Opens the site configuration screen. See below.

Discover - Restarts the discovery process now.

View Result - Displays the devices found in the discovery process.

Site Information

Site Name

Location

Discovery Rule

IP Ranges

Type Single IP ▾ Add

No.	IP Type	IP Range	Operation
1	Subnet	192.168.12.0/24	✎ 🗑
2	Subnet	10.42.42.0/24	✎ 🗑

SNMP Credentials

Port

Retransmit

Timeout(sec)

SNMP Credentials Add v1v2/private × v1v2/public ×

Schedule

Status

Repeats

Time

Site Information

Site Name - A name used to identify the site from other sites.

Location - Not required but helps identify one site from another.

Discovery Rule

IP Ranges / Type (Single IP/IP Range/Subnet)

Single IP - Allows the discovery engine to look at a specific IP address by specifying a single IP address (example:192.168.1.1)

IP Range - Allows the discovery engine to look at a range of IP addresses by specifying a beginning and ending IP range (example:192.168.1.1, 192.168.1.10)

Subnet - Allows the discovery engine to look at a full subnet of IP addresses by specifying a network ID and mask (example: 192.168.1.0, 24)

SNMP Credentials - Currently, only SNMP-V2 is supported.

Port - Default is 161, but it is possible to change this

Retransmit - How many times to try after the device does not respond

Timeout (sec) - How long to wait before trying again

SNMP Credentials - Set the SNMP credential; these need to match what is on the device

Schedule

Status - Turns the periodic network scanning for new devices on or off.

Repeats - Set how frequently the system should scan for new devices.

Time - Set the time of day the scan should start.

2.6.3 Group

Organization	Site	Group		System Name	IP Address	MAC Address	deviceType	Site	Group
			<input type="checkbox"/>	LMX-1600G-T	192.168.12.21	7c:cb:0d:0e:e4:98		local site	1
			<input type="checkbox"/>	Hyperion-200	10.42.42.12	78:62:99:01:1b:66		local site	1
			<input type="checkbox"/>	LMP-1002G-SFP-T	10.42.42.11	7c:cb:0d:0f:b5:08	Switch	local site	2
			<input type="checkbox"/>	ARS-7131	192.168.12.1	c4:93:00:0f:a6:fa	Host	local site	1
			<input type="checkbox"/>	Las Vegas Ubuntu	192.168.12.101	b8:27:eb:ae:76:4b	Host	local site	1
			<input type="checkbox"/>	LMX-1002G-10G-SFP	192.168.12.45	7c:cb:0d:0d:fa:35		local site	1
			<input type="checkbox"/>	LRX-0200	192.168.12.26	c4:93:00:40:4e:4e	Host	local site	1
			<input type="checkbox"/>	ARS-7235-AC	10.42.42.1	c4:93:00:27:47:70	Host	local site	1
			<input type="checkbox"/>	DZaveskiHomeUbuntu	10.42.42.110	78:84:3c:df:4b:72	Host	local site	1
			<input type="checkbox"/>	LMP-1202M-SFPv31	192.168.12.27	7c:cb:0d:0c:29:29		local site	1
			<input type="checkbox"/>	LMP-0804G-SFP	192.168.12.22	7c:cb:0d:0c:ea:38		local site	1

Existing groups are listed on the left side of the screen, and new groups can be created, edited, or deleted.

Devices are assigned to groups by selecting the check box at the beginning of the row that describes the device. Then use the “Assign To Group” button and select the group you want the selected devices to be assigned. The search feature can help narrow the list for easy selection. Currently, the search feature only searches the System name (sysName) and IP address (ipAddr) fields.

2.7 Tools

2.7.1 ICMP Pings

ICMP Ping		Results			
Site	local site	Ping Times	Ping Packet Size	Roundtrip (ms)	IP/Host Name
IP/Host Name*	10.42.42.1	1	32	74	10.42.42.1
Ping Times*	5 (1-10)	2	32	64	10.42.42.1
Ping Packet Size*	32 (0-65500)	3	32	86	10.42.42.1
	<input type="button" value="Ping"/>	4	32	68	10.42.42.1
		5	32	75	10.42.42.1

Site - The current system only supports one site, but you can set the site here when multiple sites are supported.

IP/Host Name - The drop-down will display all the IP addresses on that site for you to choose from. If you wish to ping an address that is not yet on the site, the last entry should be "other." An additional parameter will appear when you select this option, allowing you to add a host or IP address. (name resolution wasn't working at the time of writing this)

Ping Times - The number of pings to try before reporting results.

Ping Packet Size - This allows you to change the packet size to test if jumbo packets can get through the network.

2.7.2 Traceroute

Trace Route		Results		
Site	local site	Index	Hops	Ip
IP/Host Name*	10.42.42.1	1	1	192.168.12.1
Hops*	3 (1-15)	2	2	10.42.42.1
	<input type="button" value="Trace"/>	3	3	10.42.42.1

Site - The current system only supports one site, but you can set the site here when multiple sites are supported.

IP/Hostname - The drop-down will display all the IP addresses on that site for you to choose from. If you wish to ping an address that is not yet on the site, the last entry should be "other." By selecting this option, an additional parameter will appear, allowing you to add a host or IP address.

Hops - The number of hops before displaying the information. The minimum is one and the maximum is 15.

2.8 System

2.8.1 Basic Setting

2.8.1.1 Mail Server Settings

Mail Server Settings
Rest API Key

SMTP Server*	<input type="text" value="email-smtp.us-west-1.amazonaws.com"/>
Port*	<input type="text" value="587"/>
Sender E-Mail Address*	<input type="text" value="PM@antaira.com"/>
Sender*	<input type="text" value="ProductManager"/>
Security Type	<input type="text" value="None"/>
Encoding Type	<input type="text" value="UTF-8"/>
Authentication	<input type="text" value="SMTP Authentication"/>
Username	<input type="text"/>
Password	<input type="password" value="....."/>
Test E-Mail	<input type="text" value="Test E-Mail"/> <input type="button" value="Test"/>

The above example uses an AWS SES server as a mail relay.

SMTP Server - The name or IP address of the SMTP relay server.

Port - Common ports are 25, 465, and 587 for SMTP.

Sender E-Mail Address - Emails sent by the NMS server must have a sender's email address, or they will likely be rejected by the destination SMTP server. This is where that is set.

Sender - The name associated with the Sender E-Mail address.

Security Type - (none or SSL) Select the type of security your SMTP relay uses.

Encoding Type - (UTF-8 or ASC-II) Select the type of encoding your SMTP relay uses.

Authentication - (Anonymous or SMTP Authentication) Select the authentication type the SMTP relay service uses.

Username - (only appears when SMTP Authentication is selected) The username required by the SMTP server.

Password - (only appears when SMTP Authentication is selected) The password associated with the username required by the SMTP server.

Test E-Mail - This is a temporary field only used when testing the credentials of the SMTP server. You can send yourself a test email through the SMTP relay.

2.8.1.2 Rest API Key

Mail Server Settings
Rest API Key

REST API Key

Generated Time

Status

I9hE//t3PtZxBMb2Y5OFFADayYHgu4nKs6zKcLa9Zkl=

Regenerate

2024-07-29 10:31:49

Save
Copy

REST (Representational State Transfer) links one NMS with another NMS to share data between them. (not fully functional in this version)

REST API Key - The REST key is used to Authenticate and keep connections private.

Regenerate - This recreates the Key.

Generated Time - The timestamp of when the key was created

Status - Turns the API function on or off.

2.8.2 User Management

2.8.2.1 User Status

Total Users 14 (1 13 0) Add User

User Status
User Permission

Login Status	User Name ↑	Nick Name	E-Mail	Role	Privilege Status	Time of Creation	Update Time	Last Login	Login IP	Operation
●	admin		admin@email.com	Administrator	Enabled	2024-07-29 08:49...	2024-08-13 14:53:41	2024-08-21 14:...	192.168.255.2	✎ 🗑
●	User 1		user1@email.com	Operator	Enabled	2024-08-07 15:34:...	2024-08-08 11:01:09	2024-08-08 11:...	-	✎ 🗑
●	User 2		user2@email.com	Operator	Enabled	2024-08-07 15:37:...	2024-08-08 09:21:...	2024-08-08 09...	-	✎ 🗑
●	User 3		user3@email.com	Operator	Enabled	2024-07-29 10:41:...	2024-08-08 09:47:...	2024-08-08 09...	-	✎ 🗑

Login Status - Shows Green if currently logged in and Red when not logged in.

User Name - (A required field - **The username should be a 3-32 characters string or a valid email**) The username used when logging into the system by a user.

Nick Name - An information field is not required.

E-Mail - This is not a required field but must be filled in for the user to reset a forgotten password.

Role - (Admin, Operator, Guest) - a required field. Currently, only one account can be the Admin; all others must be Operator or Guest.

Privilege Status - (Enabled or Disabled) is a required field that shows and determines the account's status.

Time of Creation - Date and time the user account was created.

Update Time - Date and time the account was changed (password change, permission change, or Privilege status change)

Last Login -Date and time of last login

Login IP - If currently logging in, show the IP address of the user

Operation - Allows the account to be updated or deleted.

Add or modify user -

Create User
×

Username*

Nick Name

Password*

E-Mail

Role*

Privilege Status* Enabled Disabled

Location

Telephone

Description

User Permission

- local site
 - Dana Point
 - Las Vegas
 - 6.2 systems

User Name - (A required field - **The username should be a 3-32 characters string or a valid email**) The username used when logging into the system by a user.

Nick Name - An information field is not required.

Password - Temporary password; the user will be asked to change upon first login. Mandatory field.

E-Mail - This is not a required field but must be filled in for the user to reset a forgotten password.

Role - (Admin, Operator, Guest) - a required field. Currently, only one account can be the Admin; all others must be Operator or Guest.

Privilege Status - (Enabled or Disabled) is a required field that shows and determines the account's status.

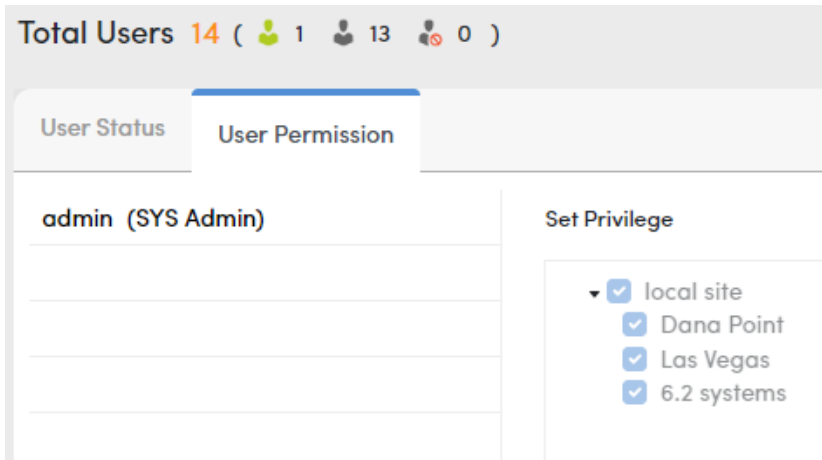
Location - An information field is not required.

Telephone - An information field is not required.

Description - An information field is not required. But you can learn much about what the IT guys think of you.

2.8.2.2 User Permission

(not fully implemented in this version) - User access can be limited to different sites or groups inside those sites. The same permission can be altered by editing the user profile under User Status. See 2.8.2.1



2.8.3 Backup and Restore

Auto Backup Settings

Auto Backup	<input type="text" value="Enabled"/>
Schedule Status	<input type="checkbox"/>
Repeats	<input type="text" value="Daily"/>
Time	<input type="text" value="11:54 PM"/>

Backup Settings

All Backup Files	<input type="text" value="20240821-1.dat"/>	<input type="button" value="Download"/>	<input type="button" value="Delete"/>	<input type="button" value="Backup Now"/>
------------------	---	---	---------------------------------------	---

Restore Settings

Backup File	<input type="text" value="Choose File"/>	<input type="button" value="Restore"/>
-------------	--	--

Auto Backup Settings -

Backups can be configured from here to save the configuration files backed up from each switch.

Backup Settings -

You can start a backup now, download or delete backup files.

Restore Settings -

You can restore a backup file.

2.8.4 About

It contains information about the version and license mode, the release date, and who to contact.

ⓘ About

✕

NMS Network Management System

Version: 1.0.1

License: trial

MaxNode: 1000

Release date: 2025-01-08 11:04:25

[Limited Release] Contact Antaira Technologies at sales@antaira.com / 714-671-9000 for version updates.

[Free Open Source List...](#)

Close

3 Appendix

3.1 Supported Devices

Model Name		
LMP-0602-M(-T)-V2	LMP-1600G(-T)	LMX-0802G-SFP(-T)
LMP-0702G-SFP-24(-T)-V2	LMP-1802G-SFP(-T)	LMX-1002G-SFP(-T)
LMP-0702G-SFP-bt(-T)-V2	LMP-C602G-SFP-bt(-T)-V2	LMX-1202G-SFP(-T)
LMP-0800G-24(-T)	LMX-0500(-T)	LMX-1204G-SFP(-T)
LMP-1002G-SFP-24(-T)	LMX-0601G-SFP(-T)-V2	LMX-1600G(-T)
LMP-1002G-SFP(-T)	LMX-0602-M(-T)	LMX-2004G-SFP(-T)
LMP-1204G-SFP-bt-24(-T)	LMX-0800(-T)	LMX-2012-SFP(-T)
LMP-1204G-SFP(-T)	LMX-0802-M(-T)	LMX-2602G-SFP(-T)

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