NETWORK MONITORING (NMS) AND DESKTOP MANAGEMENT CLIENT

Lucia Network Analyzer

Monitor network devices over SNMP and manage them from the Windows desktop

Lucia Network Analyzer is a network monitoring system that discovers devices such as switches, routers, firewalls, servers, wireless access points and printers over SNMP, tracks their status, port traffic and hardware health, and raises rule-based alerts. The server side is built on open-source LibreNMS; the Windows desktop application developed by Marta Teknoloji brings the device list, quick view, health, inventory, map and alert screens together in one Turkish-language window. Desktop users are notified instantly when a device goes up or down, and alerts are delivered to channels such as email, SMS and Telegram.

HIGHLIGHTS

01

Windows desktop management app

Grouped device tree, device quick view, health, port, inventory, map and alert screens in one window; light, dark and blue themes.

02

Automatic discovery over SNMP

Allowed and excluded networks, community names and SNMPv3 profiles are set from the desktop; new devices are found via ARP, CDP/LLDP, OSPF and BGP neighbours.

03

Rule-based alerts, multi-channel delivery

Alert rules built with a visual filter, priority and device/group targets; email, SMS (Sanal Santral), Telegram, Microsoft Teams, Syslog, Jira and GitLab channels.

04

Instant notifications and auto-update

Instant WebSocket notification on the desktop when a device goes up or down; a second login by the same user closes the old session; the client updates itself from the server.

WHO IT'S FOR

- IT teams monitoring switches, routers and firewalls from one place
- Organisations that want email or SMS alerts for port, link and hardware failures
- Multi-site organisations tracking branch devices on a map and in groups
- Network operators who prefer a Windows desktop application to a web interface
- Businesses that also want to track printer toner levels and server hardware health

Features 69 FEATURES

The list below shows, module by module, what the current version of the product does.

Device management 7

- Add devices by IP address or hostname
- SNMP version, community or SNMPv3 credential, port and protocol selection
- Device type, location and group assignment
- Grouped device tree with status icons
- Drag-and-drop group organisation
- Stored SNMP credentials
- Device notes

Automatic discovery 6

- Allowed network list
- Networks excluded from discovery
- SNMP v1/v2c community names
- SNMPv3 profiles: security level, authentication and privacy algorithm
- Discovery methods: ARP, CDP/LLDP, OSPF, BGP
- Discovery by IP address and duplicate sysName allowance

Device quick view 9

- Performance and reachability
- Device graphs
- Ports: details, ARP, FDB and traffic graphs
- Health sensors
- Hardware inventory
- VLANs and neighbouring devices
- STP status and STP ports
- Wireless, application and toner data
- Device alerts and event log

Ports and traffic 6

- All ports with basic details
- Port details and traffic graphs
- Down ports
- Disabled ports
- Deleted ports
- Per-device port settings

Health and sensors 7

- CPU, memory and storage usage
- Temperature and fan speed
- Voltage, current and power
- Optical signal level (dBm)
- State and count sensors
- Printer toner levels
- Per-device sensor, CPU, memory and storage threshold settings

Inventory and search 5

- Hardware inventory across all devices
- IPv4 address search
- MAC address search
- ARP table search
- FDB (switch MAC table) search

Status page and map 7

- Active alerts
- Device and port summary
- Event log and device log
- Monitoring server CPU, memory and disk status
- Device pins on a map
- Location, area and group tree
- Configurable map source

Alert rules and notification 8

- Rule conditions with a visual filter builder
- Priority, delay, repeat interval and maximum alert count
- Apply rules to devices or groups
- Recovery notification
- Email, SMS (Sanal Santral), Telegram, Microsoft Teams channels
- Syslog, Jira, GitLab and Pushbullet channels
- Channel groups and channel test
- Device up/down desktop notification

Users, sessions and licensing 7

- Add, edit and delete users
- Administrator, user and read-only roles
- Single session per user
- Session and operation logs
- Edit my own profile
- Add and list device and user license keys
- New devices/users blocked at the license limit

Installation, updates and tools 7

- Unattended installer script for Debian 12 and Ubuntu 22.04
- Server update and uninstall scripts
- Self-signed HTTPS certificate for the service layer
- Windows installer package (x86 and x64)
- Automatic client updates from the server
- Ping tool in the desktop app
- Light, dark and blue themes

Technical specifications

Foundation	Built on open-source LibreNMS (GPLv3); the Turkish localisation, SMS alert channel, Lucia service layer, Windows desktop client, installer and updater are developed by Marta Teknoloji
Monitoring method	SNMP v1, v2c and v3 (authentication and encryption); polling every five minutes; ICMP reachability
Discovery	Allowed and excluded network lists; ARP, CDP/LLDP, OSPF and BGP neighbours; discovery by IP and duplicate sysName option
Collected data	Port traffic and errors, CPU, memory, storage, temperature, fan, voltage, current, power, dBm, toner, VLAN, STP, ARP/FDB, inventory
Alert channels	Email, SMS (Sanal Santral), Telegram, Microsoft Teams, Syslog, Jira, GitLab, Pushbullet; channel groups
Desktop client	Windows, .NET Framework 4.7.2; x86 and x64 builds; Turkish interface; connects to the server over HTTPS
Real-time notifications	A server-side message service checks device state changes every minute and pushes them to the desktop over WebSocket
Updates	The client checks the server version at start-up and updates itself by downloading changed files
Licensing	Device and user license keys; no new device or user can be added once the license limit is reached
Delivery	Installed on a Debian 12 or Ubuntu 22.04 server (physical, virtual or cloud) with an installer script; monitoring server, service layer and database on the same server

DEPLOYMENT Installed on a Debian 12 or Ubuntu 22.04 server (physical, virtual machine or cloud server) with an unattended installer script; the monitoring server, Lucia service layer, message service and database run on the same server. The desktop application is installed on Windows PCs, connects to the server over HTTPS and receives updates from the server automatically.

Book a demo or request a quote

Contact us to see the product in your own environment and discuss scope and pricing.

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