

Information regarding

LANCOM Large Scale Monitor (LSM) Version 1.30 Rel

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1. Preface

The LANCOM Large Scale Monitor monitors the operation of LANCOM products. Designed especially for the LANCOM Systems WLAN access points, WLAN controllers, routers and switches, it is ideal for monitoring mid-sized to large-scale installations.

This document describes the innovations within LSM version 1.30 Rel as well as the modifications since version 1.00.

2. Known Issues

Latest support notes and known issues regarding the current LSM version can be found in the download area of our website <http://www.lancom-systems.eu/en/service-support/instant-help/common-support-tips/>

Warning - Update to version v1.30

Updating to version v1.30 is only supported from an installed v1.20 or newer.

Updating from an older version without the intermediate step to v1.20 is at the user's own risk.

The update process differs in step 20 compared to the description in the manual: The questions regarding "Wrong permission of var/check_mk/web/omdadmin", "Conflict at var/check_mk/web/omdadmin/enforce_pw_change.mk" and "Wrong permission of var/check_mk/web/omdadmin/enforce_pw_change.mk" should all be answered with "(k)keep".

3. New Features, Improvements and History

LSM improvements 1.20.150313 Rel ► 1.30.151216 Rel

New Features:

- It is now possible to copy the ISO image to a bootable USB stick and start the installation
- Support for UEFI boot besides BIOS
- Check profiles can be created and assigned to devices and folders
- New check for runtime and device count reports when installed licenses run into at least one limit
- The WLAN interfaces' Wireless Quality Indicator is now displayed (as from LCOS 9.18RU1)
- The MAC address of an active LAN-1 interface is displayed below the device name in map view
- A new station table column shows the IPv6 address of a WLAN client (if available)
- Integration of the MAC forwarding table of the LANCOM switches
- Wireless Intrusion Detection events from syslog can be displayed in a separate view (as from LCOS 9.20)
- New check for active router backup connections and backup counter output (as from LCOS 9.20)
- Added DSL Flapping detection
- Monitoring the number of PPTP tunnels is now possible for the LANCOM devices 1721A, 1721B and 1721+

Bugfixes / Improvements:

- After the first login, the omdadmin is forced to change his password
- Global search does no longer search in event tables, which leads to performance improvements. An event table search is still possible using the appropriate views
- No more VMware image within the ISO file. Thus, a 2GB USB stick can be used for installation
- Automatic saving of usernames and passwords is disabled within the login mask
- Updated vendor MAC address list / OUI list

LSM improvements 1.01.130731 RU1 ► 1.20.150313 Rel

Bugfixes / Improvements:

- Simplified installation
- An update process can be started for an existing installation
- Improved performance of the preparation and implementation of checks / SNMP queries
- The SNMP community is now available as property in many parts
- Extended event console for passive tracing and processing syslog messages
Depending on these messages, further actions can be initiated by rules
- Syslog messages are now saved to a MongoDB
- The event simulation helps to check rules for the event console
- Several general surveys can be applied to subfolders, too
- It is possible to import multiple devices to the system at the same time: "Create devices by mass import"
- Messages written by a user can be sent to other users as email or as instant message
- Extended global settings
- Lists displayed can now be exported to a CSV file
- User role- and access rights are now clearly displayed in a matrix
- Availability can be checked for each device over a predefined, fixed period, and corresponding reports can be created
- Most recent changes can be withdrawn
- User defined snapshots can be created, allowing a complete restore of an LSM server (i.e. on new hardware), instead of exclusive backups of changed system files.
- Each device's log file can be searched for predefined texts, if a corresponding rule was created
- Maps: new slider for zooming in. Alternatively, the mouse wheel can be used
- Extended search for IP addresses, device alias, MAC addresses and VPN tunnels
- Views and configuration tables can now be sorted by column.
- Devices and folders can be exported to CSV files
- CSV device import considers column headers
- The sidebar providing the snap-ins can be hidden or displayed
- New scrollbar for the sidebar
- All Windows and Linux devices can now be queried regarding their hardware and software, so that an inventory list can be created
- VDSL bandwidths can now be monitored

LSM improvements 1.00.0913 Rel ► 1.01.130731 RU1

Bugfixes / Improvements:

- Performance optimization in management and display of the WLAN station history
- LANCOM GS-23xx series switches are identified correctly while inventory
- Messages concerning license exceedance and role configuration are displayed completely in the predefined language
- Deleted or moved devices and folders are displayed accurately in the map view
- Scalable map view
- Notifications can be configured more flexible