LANCOM Release Notes for GS-3xxx

LCOS SX

4.00 SU3

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1. Preface

LCOS SX 4.x is the operating system for all LANCOM GS-3xxx switches. In the context of the hardware given by the products the at a time latest LCOS SX 4.x version is available for all LANCOM GS-3xxx switches and is available free of charge for download from LANCOM Systems.

For all LANCOM switches of the GS-13xx and GS-23xx series the LCOS SX 3.x operating system is pursued.
You can find the release notes for these series as usual on the LANCOM website in the download area of the respective switch.

Devices delivered with LCOS SX 4.00 or higher automatically connect to the LANCOM Management Cloud (LMC). This functionality provides zero-touch installation for new devices. In case you do not want to use the LMC, this feature can be disabled at any time on the device's WEBconfig under "Configuration > LMC". You can manually re-enable the usage of the LMC whenever you want.

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2. New features, improvements, and history

LANCOM GS-3xxx - LCOS SX 4.00.0219 SU3

Bug fixes

> Special user input via the web interface was not validated correctly. This could provoke a sudden restart of the device.

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LANCOM GS-3xxx - LCOS SX 4.00.0212 RU2

New features

> The clock role for the 2.5 Gbps ports of the GS-3528X and GS-3528XP is now switchable via CLI:
>> slave preferred
>> master preferred
>> force slave
>> force master.
>
> The default setting is ‚slave preferred'.

> RADIUS-assigned VLAN with Mac-based authentication can now be used.

> MAC-based authentication now also works without EAP components The MAC address is now transferred as the user name.

> The status information of the built-in fans can now be read out via SNMP. They can also be read out as syslog message and sent as e-mail event in case of alarm.

Bug fixes

> With MAC-based IEEE 802.1x authentication against a RADIUS server, a client was authenticated although a 'RADIUS Reject' returned with an 'EAP Success' in RADIUS authentication. However, the EAP packet of type 'Success' only refers to successful EAP communication.
>
> The switch interpreted only the EAP part and not the contents of the RADIUS packet (the 'RADIUS Reject'). Therefore, a client that was not known on the RADIUS server was also successfully authenticated.

> By default, the GS-31x and GS-35x series switches had the HTTPS protocol disabled for communication with the switch and the unencrypted TFTP and SNMPv1 protocols enabled. In the current factory settings, the insecure protocols are disabled and HTTP, HTTPS, and SSH are enabled.

> If a GS-3528 series switch was connected to a network device with a 1 Gbps port speed on a 2.5 Gbps port, it was possible that the connection was negotiated at 100 Mbps only. In this case, if the port speed on both the switch and the network device was fixed to 1 Gbps, the connection failed.

> The VLAN configuration could not be set correctly via SNMP (Q-Bridge).
>
> When setting the PVID for a port in Access or Trunk mode, all VLANs were stored in the 'Allowed VLAN' field instead of just the 'Port VLAN ID'. The 'Allowed VLAN' field could not be set and remained at its original value.

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LANCOM GS-3xxx - LCOS SX 4.00.0139 RU1

New features
> Support for the PowerEthernet MIB
> SNMPv1/2: The read community can now be disabled
> LMC client: DHCP option 43 is now configurable
> LMC client: DHCP renew after 'Connection error'

Bug fixes
> The creation of IP routes on a LANCOM GS-3152XP via CLI resulted in deleting an existing default route.
> If more than one default route was configured on the LANCOM GS-3152XP, the switch always initialized the latest created default route after a restart. All other default routes were not loaded and thus were missing in the configuration.
> After a restart, the switch sent some STP packets into the network using all ports, although the STP function (Spanning Tree Protocol) was disabled in the configuration.
> When someone tried to access a LANCOM switch via a LANCOM router using the function 'create TCP/HTTP tunnel', or via a routed connection per HTTP(s), the switch cancelled the request with an 'Internal Server Error'.
> If a backup configuration was loaded into a LANCOM switch, the switch did not store this as a start configuration (boot persistent). As a result, the switch always used its default configuration after a restart.
> The LANCOM switches of the GS-31xx series and the GS-3528XSP could not be restarted via the LANCOM Management Cloud (LMC).
> After having successfully uploaded a firmware via web interface the message 'service unavailable' was displayed right before the mandatory device restart. This message has been replaced by an informative dialog concerning the firmware update process.
> The error message which was displayed when trying to upload a non-suitable device firmware was not precise. Now an error message with a precise text is displayed.
> The LMC diagnose trace output was only shown on the console using the command 'trace on' when using a serial connection to the LANCOM switch.
> An LACP link consisting of more than four interfaces could not be operated stable. Furthermore, network malfunctions on the devices connected to the switch could occur when operating an LACP link.
> Configuration elements could not be written per SNMP if the default value 'private' did not exist in 'Write community'.
> An SNMP request for the available switch ports on a GS-3152X returned the value 54 instead of 52.
> With disabled SNMPv1/2 protocol (default setting) access per SNMPv3 protocol was not possible, too.
> In the table 'Static ARP Inspection' no additional line could be added, neither per web interface, nor per SNMP.
> If the PoE budget was exceeded, no appropriate message was displayed in the switch's webinterface or syslog.
> No name designations for VLANs could be added on the web interface.

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> In a console session which was established via the switch's serial interface no backspace function could be used (backspace key).
> When using a RADIUS authenticated login for the web interface or console the switch did not send RADIUS authentication packets. The switch login was successful, but accounting did not work.

LANCOM GS-3xxx - LCOS SX 4.00.0070 Rel

Features

> Initial release version for all new switches of the series GS-3xxx
> New function: DHCP server
> New function: static routing
> Unified MIB: Starting from version LCOS SX 4.00 Rel there is a unified SNMP MIB file.
> New operating status for the sFlow function: Always ON

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3. Common advice

Disclaimer

LANCOM Systems GmbH does not take any guarantee and liability for software not developed, manufactured or distributed by LANCOM Systems GmbH, especially not for shareware and other extraneous software.

Support notes & known issues

Latest support notes and known issues regarding the current LCOS SX version can be found in the download area of our website: Common support hints

www.lancom-systems.com