

# NEOxl 40 Firmware Version 1.4.0 Release Announcement

December 2021

## Preface

This Release Bulletin announces the release of NEOxl firmware version 1.4.0 for all NEOxl 40 libraries.


## Models Affected

NEOxl 40 firmware version 1.4.0 is supported as an upgrade for NEOxl 40 libraries running NEOxl 1.3.0.

## Upgrade Considerations

All systems running firmware version 1.3.0 can be upgraded to firmware version 1.4.0.

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 **CAUTION:** To prevent data corruption, verify that all active backup and recovery jobs to the NEO tape library are completed prior to performing the upgrade.

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## Downgrades

Downgrades are not supported.

## NEOxl 40 1.4.0 New Features

Description	Severity
Add support for LTO-9 drives.	Moderate
Added LTO-9 New Media Initialization Wizard to RMI Maintenance menu.	Moderate
Nessus finding: SESSION Cookie not regenerated if successfully logged in.	Moderate
Issue a "404 - Not Found" response status code for a forbidden resource.	Moderate
PHP Session IDs increase complexity.	Moderate
Extend link timeout for drives to 30s.	Moderate
Update lighttpd to 1.4.60 and allow Session Tickets again, disable HTTP2, and make HTTP 1.1 active for now.	Moderate
Update slimframework to latest 3.x version due to fixes.	Moderate
Drive load improvement by implementing 2-step load process.	Serious
Stack discovery speedup.	Moderate
Library Status should consider "no LUN drive present" state.	Moderate
Startup Time Improvements.	Moderate

## NEOxl 40 1.4.0 Resolved Issues

Description	Severity
SNMPv1 does not handle multiple community names. SOLUTION: Made trap destinations with unique name and trap tag to prevent wrong community name from first added entry.	Moderate
Potential Security Vulnerability for DHCP: CVE-2021-25217. SOLUTION: DHCP updated from 4.1-ESV-R15-P1 to 4.1-ESV-R16-P1 to fix CVE-2021-25217.	Moderate
Update NTP/SNTP to version ntp-4.2.8p15. SOLUTION: ntp updated to ntp-4.2.8p15 to solve several security issues and add a lot of enhancements	Moderate
System Test: Use one-step drive load process. Solution: Changed load process in all tests involving drive to one-step (i.e., blocking) load process.	Moderate
Medium destination full error. SOLUTION: Fixed by syncing drive status before move to/from drive happens. This sync is done in context of move command, so timeouts are >16min anyway.	Moderate
Multiple control path aborts wrong command. SOLUTION: Abort handling reworked to track each control path separately.	Moderate
lighttpd 1.4.58 core dumped. SOLUTION: Updated lighttpd to 1.4.60 and re-enabled SessionTickets but disabled HTTP2 for now since lighttpd seems not to be stable with it.	Moderate

## Downloads

NEOxl 40 firmware version 1.4.0 is available for download for supported NEO users with active software entitlement agreements. Go to [https://download.overlandtandberg.com/Firmware/Neo\\_Series/Neo-XL/NEOxl40/](https://download.overlandtandberg.com/Firmware/Neo_Series/Neo-XL/NEOxl40/).

Additional documentation on how to operate, configure, and support your NEO library is available at <https://www.overlandtandberg.com/knowledgebase/>.