NEOxl 40 Firmware Version 1.5.0. Release Announcement

May 2023

Preface

This document announces the release of NEOxl firmware version 1.5.0 for all NEOxl 40 libraries.

Models Affected

NEOxl 40 firmware version 1.5.0 is supported as an upgrade for NEOxl 40 libraries.

Upgrade Considerations

All prior firmware versions can be upgraded to firmware version 1.5.0.

> ⚠️ **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.

Downgrades

Downgrades are not supported.

New Features - FW Version 1.5.0

Description	Severity
Update lighttpd to at least 1.4.64 due to a lot of fixes	Moderate
Stack reduce Neighbour ping count (stack discovery speedup)	Moderate
HTTP Strict Transport Security (HSTS) not following best practices	Minor
Tapes that are not part of a partition report N/A in the partition column ins system log	Serious
Close singular tickets during library startup	Moderate
Events 2103 and 2104 - proposed solution message is too specific	Moderate
48U Stack - Field upgrade with existing expansion modules (new Spooling-Kit required)	Serious

Resolved Issues - FW Version 1.5.0

Description	Severity
Expansion Board has too much TCP retransmissions	Moderate
SNTP fails to slew if time difference is too large	Moderate
.ini File Information Disclosure	Moderate
High Load in Offline State	Moderate
Stack is Stuck at Configuring Drives (forever)	Moderate
Diffie-Hellman Ephemeral Key Exchange DoS Vulnerability (SSL/TLS, D(HE)ater)	Serious
Cross-site Request Forgery	Moderate
Barcode Reader init fails at auto calibration	Serious
Error in data base handling leads to Event 4020	Serious
Error 404 not containing response headers as in other pages	Moderate
Auto calibration fails because the height of magazine flags is measured as too high	Serious

Implemented Stories - FW Version 1.5.0

Description	Severity
Multiple SMTP destination for emailalerts/notification	Moderate
Using the IP as Subject Alternative Name (SAN)	Moderate
48U Stack - Field upgrade with existing expansion modules	Serious
Expansion controller - Support for BGA version of NXP controller	Moderate
Pen Testing - Blind Server-Side Request Forgery	Moderate
Pen Testing - Cross Site Scripting (Stored)	Moderate

Downloads

NEOxl 40 firmware version 1.5.0 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/.

Additional documentation on how to operate, configure, and support your NEO library is available at our Knowledge Base.