

NEOxl 40 Firmware Version 1.2.0 Release Announcement

May 2019

Preface

This Product Information Bulletin announces the initial release of NEOxl firmware version 1.2.0 for the 40-slot NEOxl 40 library. It is also an update from version 1.0.2 for the 32-slot version of the NEOxl 40 library.

Models Affected

NEOxl 40 32-slot and 40-slot libraries.

Upgrade Considerations

All systems running firmware version 1.0.2 can be upgraded to firmware version 1.2.0.



CAUTION: To prevent data corruption, verify that all active backup and recovery jobs to the NEOxl 40 tape library are completed prior to performing the upgrade.

Downgrades

Downgrades are not supported.

NEOxl 40 1.2.0 New Features

Description	Severity
Change SSL signing wizard to have button to clear all wizard settings like KMIP.	Moderate
SMTP is missing in the system log.	Moderate
Set limitation of password length to 128 chars.	Moderate
Change the text for Basic Partition Wizard.	Moderate
SMTP – show the same values in system log as in UI.	Moderate
Change validation message for adding user.	Moderate
LTO-8 (and higher) HH FC Dual Port support.	Moderate
Improve behavior for adding local user account.	Moderate
Improved Recovery process for incorrect inventory.	Moderate
Update Lighttpd due to security fixes.	Moderate
Update PHP to 7.3.3 because of security issues.	Moderate

NEOxl 40 1.2.0 Fixed Issues

Description	Severity
Provide more user-friendly error during KMIP Wizard when unit has incorrect date.	Moderate
Corrected issue with the pop-ups remaining dark when opening magazine or I/O Slot from OCP if screen saver is active.	Moderate
KMIP Wizard stuck on the Certificate Generation page after attempt to edit previously added configuration with different data.	Serious
Corrected issue with Magazine lock.	Moderate
Corrected number of max partitions in Expert Partition Wizard.	Moderate
Drive Power Board shows Failure in Expansion Unit if no Power Supply is present.	Moderate
The option "LTO-7+ Multi-initiator SCSI Conflict Detection" was enabled for the partition without LTO-7+ drives.	Moderate
KMIP user is not stored in KMIP wizard.	Serious
To Email Address entry field allows to enter and save invalid characters.	Moderate
Media errors not shown in list view while media loaded to drive.	Moderate
Move a Tape by RMI into a non partition does not show a warning.	Moderate
Magazine Buttons: Library switches to Idle instead of Idle (Offline) during magazine wait period.	Moderate
Button handling: Queuing of more than 2 mailslot unlocks does not work.	Moderate
Inventory scan starts immediately after re-inserting magazine back after several minutes.	Moderate
LED is off after attempt to unlock mailslot when system is busy.	Moderate
Library state changed to Offline for a long time after attempt to open partition wizard when mailslot is being unlocked.	Moderate
Incorrect Partition value on Update Drive Firmware page.	Moderate
Configuration > Media Barcode Compatibility Check Page: Incorrect text note.	Moderate
Rsyslog configuration missing in system.log.	Moderate
Rotation of robotic is incorrect after shocking in y-direction.	Moderate
Sled position incorrect after shock in y-direction.	Moderate
Message during disabling I/O slots informs about influence on partition which is not true.	Moderate
OCP - Horizontal scroll bar appears, but it is unusable.	Moderate
CVE-2018-5733: reference count overflow in dhcpd (bsc#1083303).	Moderate
Basic Partition cannot be started with IE11.	Serious
OU is not included in Subject of custom certificate.	Serious
Microsoft DPM drive cleaning test fails.	Moderate
After change SNMP settings, Popup dialog "SNMP Target updated" is missing.	Minor
If SNMP Target invalid hostname is configured, an "Internal command timeout" was reported.	Moderate
Library could get stuck in magazine-removed state after magazine removal and re-insertion.	Moderate
OCP Error Event Listing doesn't load most recent event.	Moderate
Password Rules: Locked User can login if another user changes the Password Rules to not lock out.	Moderate
LDAP Issues with using user names with parentheses.	Moderate
Corrected the word "authentication" to "authentication" in KMIP Wizard.	Minor
In Unit Auto Calibration Wizard stopped with timeout after 30 secs.	Serious
I/O Station still unlocked until unlock timeout in case open and close it - no Inventory scan afterward.	Moderate
Submit button is always enabled on Configuration Encryption page.	Moderate

Description	Severity
Error Event 2065 during initialization.	Serious
StatisticsApp - Partition Assignment during Cartridge Import and Cartridge Move is wrong.	Moderate
CVE-2018-5391 - Segment Smack and Fragment Smack.	Moderate
Potential Security Vulnerability - 1 issue for OpenSSL (CVE-2018-0732).	Moderate
Primary ports still disabled after drive FW upgrade by SCSI.	Moderate
Unintended event from mover application in case of drive not ready during startup.	Moderate
Insufficient memory when pulling library logs.	Serious
TR:15353 > Robotics Cycle Counter - Reset to default settings > Robotic cycle counter is reset to 0 in Robotic NVM.	Moderate
No event about robotic movement problem after failed auto-calibration.	Moderate
Update drive FW when library is busy - no event generated.	Moderate
No ticket for failed pre-inventory initialization.	Moderate
Drive FW upgrade with wrong Personality - no Warning Event 4018 is generated.	Moderate
Power shutdown starts after 10 seconds although up/down buttons are still pressed on the OCP.	Moderate
KMIP Connectivity Check can take longer than RMI auto logout.	Moderate
Host name in Email notification is different than Real Hostname.	Moderate
Backup Custom Certificate is failed with the message "Internal software error".	Moderate
RMI and OCP report different drive encryption status.	Moderate
SMTP Date Header not sending the Offsets.	Moderate
Error 2057 observed during unlocking the shipping lock.	Serious
CVE-2018-20679 - BusyBox Out of Bounds w/udhcp.	Moderate
CVE-2019-5489 - Page Cache Attacks to Linux Kernel.	Moderate
RMI: The state of drive is Idle during drive initialization.	Moderate
Limit max. Fan Speed to Level 11 for LTO-8 HH drives.	Serious
No CSR option for subject alternative name for DNS.	Moderate

Downloads

NEOxl 40 firmware version 1.2.0 is available for download for supported NEO users with active software entitlement agreements. Go to the Overland-Tandberg Customer Support Portal by navigating to the Manage Products page: <http://support.overlandstorage.com/support/neo-series.htm>.

Additional documentation on how to operate, configure, and support your NEO library is also available there.