

## NEOxl Series® Firmware Version 2.00 Release Announcement

April 2015

### Preface

This Product Information Bulletin announces the release of NEOxl Version 2.00 for NEOxl libraries.

### Models Affected

NEOxl Version 2.00 is supported as an upgrade for NEOxl libraries running NEOxl 1.80.

### Upgrade Considerations

All systems running NEOxl 1.80 can be upgraded to NEOxl 2.00. It is recommended that a system backup be completed prior to performing the upgrade.

### Downgrades are Not Supported

NEOxl release downgrades are not supported.

### NEOxl 2.00 New Features

Description	Severity
Change request for RMI: add a note to the configuration wizard pages telling the user the library will go offline	Moderate
Need to update SSL certificate for HTTPS communication with 2048 bits	Moderate
Upgrade DropBear to something newer than 2013.59	Moderate
Add library FW rev to the OCP and RMI login screens (the screens seen prior to login)	Moderate
Update bash to version 4.3.27	Serious
Certificate-only logins for KMIP	Moderate
Robotic Fingerprint should be visible in Systemlog/RB:90	Moderate
Library Tests: add picker position test	Moderate
Update PHP to version 5.3.27 or later	Moderate
Update OpenSSL to 1.0.1 branch (latest version)	Moderate
Disable icmp timestamp packets	Moderate
Disable generic tcp timestamps in kernel	Moderate

Description	Severity
Event 2012 needs to list all modules that have a bottom cover reported, not just the bottom module	Moderate
Change request: Update time zones in system (reason: Russians now only have Winter Time)	Moderate
Change request for OCP: Unlock multiple magazines	Moderate
Reset of the I <sup>2</sup> C GPIO Portexpander	Moderate
KMIP wizard can pass with incorrect data	Moderate
Add note to Unlock Multiple Magazines Wizard about not allowing more than one magazine open at a time	Moderate
Alter the second page text of Unlock Multiple Magazines Wizard	Minor
Add notes to Open Magazine and Open Mailslot pages	Minor
Make Unlock Multiple Magazines Wizard executable for user accounts if the option is set	Moderate

## NEOxl 2.00 Fixed Problems

Description	Severity
No error response if the Bar Code Reader update failed	Moderate
No error message on user level when Pericorn Device has a problem	Moderate
Picker will rotate by a shock in front of a drive during load/unload	Moderate
Sled seems to lose steps during shock and vibe tests	Moderate
Troubleshooting window is without headline and colon is present twice	Moderate
Drive support ticket, device time stamp is invalid	Moderate
User-conflicting login prompt message unable to display hostname	Moderate
ConfigSys-Save/Restore Config-Restore via RMI from Host > The configuration isn't restored correctly	Moderate
Download current drive support ticket failed after download a ticket from last unload for the drive failed	Moderate
Elevator: move command returns to host before target position reached	Moderate
UI-Maintenance-Lib Tests-System-test-Only cleaning cartridges present > No ticket is generated	Moderate
Recovery single block elevator - move up or down in unit - exp level > The tape was moved back to source slot after recovery	Moderate
Recovery single block shipping lock - powercycle sl closed - exp level > Robot did not recover and stopped moving, got Event: 2033 - Initialization failure due to robot vertical positioning error	Moderate
Auto Clean-Partitions-Slots with CLN cartridge assigned to other partition > Different tickets generated	Moderate
Recovery permanent block shipping lock - powercycle sl closed - exp level > In case permanent block of the shipping lock during power up, the robotic recovers very fast to try to release the shipping lock. But no ticket was generated.	Moderate
Recovery permanent block gripper - open gripper - exp level > 1. In case 1, block the gripper when it tries to catch a cartridge and an expected ticket was created. In 2, block the gripper in case it tries to release.	Moderate
Event 2009 is missing some text after upgrade from 4.10 to 4.20	Minor
The info log 9042 is not suitable after failed cleaning	Moderate
Library never finishes the whole inventory scan after reinserting the emergency removal magazine	Moderate
Unit reinitialization while the library is exposed to the direct external light > The Configuration Log contained 50 entries of Event: 8011 - The network settings have changed, despite network settings were not changed.	Moderate
In case the robotic loses the cartridge during mechanical block, it moves the non-existing cartridge into a slot.	Moderate
Requirement fr missing FW upgrade failed due to personality mismatched	Moderate
In case Static IPv6 Address is configured, the address is not visible on OCP login screen	Moderate
An unsuitable event ticket is generated after removing the middle module bottom cover plate	Moderate
Library in idle state without top cover, moves possible	Moderate
With Restore Database from File, the passwords from file will also be restored except for the previously configured Admin password.	Moderate
SCSI ReportSupportedOpertionCode returns the wrong values for CDB usage	Moderate

Description	Severity
Need detailed requirement how the Configuration > Network Management > SNMP page on SNMPv3 Security Level configuration shall work	Moderate
Event 2062 - Incorrect text in proposed solution	Moderate
Event 8032 shows only the counted value of the Security Level, Auth Protocol, and Privacy Protocol	Moderate
Removed MS detected as closed after reinserting magazine after emergency release	Moderate
RMI timeout running in browser	Moderate
SCSI, wrong sense code after failed move	Moderate
SNMPv3 traps - Unit Agent Auth behavior after dis-/enable the agent > SNMPv3 traps cannot be received any more	Moderate
Auto-calibration change to add a check for vibration-induced variance	Moderate
Barcode labels truncated in system log	Moderate
RMI-Log-Info-Event-9028-Configuration Backup to Chassis was successful - after error/warning ticket creation. There is no information event 9028.	Moderate
Issue about configuring email address	Moderate
Password is still shown in the edit-box even though it is cleared	Minor
Can't recover from 'ADT recovery failed' error	Serious
Manual cleaning with expired cartridge: activity remains 'drive cleaning in progress' forever	Moderate
Some Robotic Recoveries (Elevator) are not logged in Ticket Log & Service Log	Serious
Drive Encryption Status info displays 2 times after clicking Refresh button when page is loading	Moderate
Configuration event: New Hardware detected first time about Chassis Fan was fire even though no DCDC board is already installed	Moderate
Open Magazine can be executed when library is scanning	Serious
Reduced expansion module - Entry for Not Present Drive Power Board not correct in System Log	Moderate
With unload a Cartridge from a Drive from over RMI, the cartridge is shown twice in Move Media Page and Inventory Page in the same slot	Serious
Chrome Logout under many ajax calls lead to endless logout loop	Serious
RoboticManagement: No retry on serial command timeout & invalid inventory	Serious
Empty slot detection: Touch disabled by default	Serious
Cartridge Inventory > List View reports cartridges as encrypted	Minor
Touchscreen Calibration > Even File/mnt/flash/config/pointercal is deleted, after startup, the library Touchscreen calibration isn't started	Serious
Kernel: NULL pointer dereference in USB OTG driver	Serious
I <sup>2</sup> C Sensor Debouncing	Serious
ConfigSys-Save/Restore Config-Restore via RMI from Host > Restoring a Configuration File is impossible.	Serious
The loaded cartridge shows incorrect generation, even it is unloaded, rescanned	Moderate
Advanced control path failover not working	Serious
IPv6 prefix length should not allow exceed 128	Moderate
IPv6 DNS should editable if Method set to Stateless	Moderate
Unlock Multiple Magazines - magazine gets unlocked before the opened magazine was closed	Serious

Description	Severity
An unsuitable message pops up while user logins in again on OCP	Moderate
The loaded unassigned Drive4 shows wrong module number in inventory status page	Moderate
The loaded Drive is not marked as “full” in Partition Map list view page	Moderate
SSL 3.0 needs to be disabled	Moderate
Configuration Restore from files with whitespace in filename is not possible.	Moderate
Incorrect service log entry in case of rotation misalignment in move to drive	Moderate
Multiple mailslot opening - mailslot status says “Removed” although mailslot was cloed	Moderate
Multiple magazine open wizard - modules listed in an incorrect order	Moderate
CLN tape shows different generation in RMI status	Moderate
Config-Initial Configuration Wizard-OCP > Time unable to change with time format changing	Moderate
Hang of sntp binary	Moderate
After RMI forced session logout on OCP, the OCP was left in an odd state	Moderate
Operation-Open Mailslot-Functional Test > The mailslot in base module is scanned 2 times	Moderate
The Mailslot is scanned twice after remove right magazine and insert it	Moderate
RMI > Allow unlabeled media: Typo in the text	Minor
Operation-Open Mailslot-Functional Test > Rescan for the not insert mailslots, or duplicate scan for inserted mailslots.	Moderate
Wrong partial scan after inserted the mailslot and magazine	Serious
KMIP Wizard only shows 1 of 3 partitions	Serious
LDAP add user not possible to highlight a username	Moderate
Temp Admin PW not working	Serious
KMIP protocol version discovery command is sent with wrong protocol version in some cases.	Moderate
Not possible to create a self signed cert request	Serious
Even after clicking “Stay Logged In” at the popup System Logout, user is logged out from RMI	Moderate
Opening “mailslot removed” magazine is possible via “Unlock Multiple Magazines”	Moderate
Finish button is disabled in Unlock Multiple Magazine Wizard if press Back then Next button	Moderate
Temp Admin PW not working	Serious
Unix File Parameter Alteration	Serious
Symantec Backup Exec - handling of expired media in regard of reported sense keys	Moderate

## Downloads

NEOxl Series Firmware Version 2.00 is available for download for supported NEO users with active software entitlement agreements. Go to the Overland Storage Customer Support Portal by navigating to the Manage Products page: <http://docs.overlandstorage.com/neo>

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