

# NEOxl 80 Firmware Version 2.90 Release Announcement

October 2021

## Preface

This Release Bulletin announces the release of NEOxl firmware version 2.90 for all NEOxl 80 libraries.

## Models Affected

NEOxl 80 firmware version 2.90 is supported as an upgrade for NEOxl 80 libraries running NEOxl 2.80.

## Upgrade Considerations

All systems running firmware version 2.80 can be upgraded to firmware version 2.90.



**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.

## NEOxl 80 2.90 New Features

Description	Severity
Remove not needed Event_default_records_versions from AutoBuild Process.	Moderate
LDAP: We need to lower the security level while keeping enforcement of TLS1.2 to ensure backwards compatibility.	Moderate
Update Agent++ and SNMP++ due to memory leak with openssl > 1.1.0.	Moderate
Implement HTTP Strict-Transport-Security response header (HSTS).	Moderate
Expert Wizard: Allow launch of wizard if drives are loaded and check per partition if Edit is allowed.	Moderate
Serial Number not displayed on OCP.	Moderate
Update qt-webkit-kiosk to latest version due to some socket improvements.	Moderate
SMTP - Add more Details to Send TestMail Dialog in case of Error.	Moderate
WebServer set SameSite Cookie Header to Strict.	Moderate
Add "Content-Security-Policy" header with secure policies.	Moderate
Add X-Content-Type-Options Response Header with "nosniff".	Moderate
Add the "X-XSS-Protection" header with value '1' (enabled) and mode=block.	Moderate

## NEOxI 80 2.90 Customer Change Requests

Description	Severity
Settings for media compatibility check and barcode label type should be listed in the system log.	Moderate
Log packages (ticket, info, config, service) datetime and log syslog in UTC, do not show timezone offset.	Moderate

## NEOxI 80 2.90 Resolved Issues

Description	Severity
LDAP Query returns not applicable Servers as users server.	Moderate
DB Reset if staging fails due to special characters in DB like Ö, Ä, Å, etc.	Serious
The library status overlays the date if user name is long.	Minor
When magazine unlock fails library state remains "Unlocking."	Moderate
OCP: Scroll bar on View logs page is not completely shown preventing from scrolling down.	Moderate
SSL Create Custom Certificate Wizard fails to generate CSR if hostname is 65 characters long.	Moderate
Backup Custom Cert may fail.	Minor
Timezone selection control allows to set up time zones like America/Kentucky/null.	Moderate
IPv6 DNS does not work for SNTP server.	Moderate
UNIT_SERIAL_NO not filled for the Units DB.	Moderate
Timezone selection control behaves strange on OCP.	Moderate
Event 9008: should spell "an NTP" not "a NTP."	Minor
Minor Inconsistency in Time Zone control behavior.	Minor
E-mail config form is completely cleared when mail notification cannot be sent.	Moderate
LDAP - Add Server accepts IPv6 but not in required bracket format [IPv6].	Moderate
Manually configured drive speed reset during downgrade.	Serious
SNMP: Change pop-up icon from information to error/warning.	Minor
Currently used version of fping does not support IPv6.	Moderate
Error message says: USB flash drive not accessible. Multiple USB flash drives found.	Minor
SNMP node sysName (1.3.6.1.2.1.1.5.0) is filled with "MS_TOBEDEFINED."	Moderate
KMIP does not work over IPv6.	Serious
KeyPad is not showing up correctly anymore, if small keyboard was opened before.	Serious
Server node DNS is not resolved or supported.	Serious
IPv6 address is not accessible after changing network configuration.	Moderate
Add LCM S/N to the system log.	Moderate
FW Downgrade over REST fails with SYS_FBI_IMAGE_D OWNGRADE_CHECK.	Moderate
System Log is always showing the PS status as "Redundancy Failed."	Moderate
ip6tables are empty.	Moderate
KMIP IPv6 KeyRequest failed. ROOT CAUSE: Key-Request failed if only one KMIP Server was configured with IPV6, the property update missed correct IPV6 format for config. If multiple servers are configured, the fallbacks were used correct. SOLUTION: Adapted IPV6 to correct config compatible format on key-request.	Serious

Description	Severity
RMI login reporting incorrect password when password is null. ROOT CAUSE: Default password check was done too late, so it came into locking routines. SOLUTION: Fix for locking of user if no admin/ security password was set over OCP.	Moderate
MST: System Out of Memory during Pos 2 Pos test. ROOT CAUSE: Queue could grow if no other commands come in between. SOLUTION: HL shall only send Notification, response was not taken care about which could lead to a growing response queue if Main does not send and receive own commands in that time manner.	Serious
System uses localtime as timestamp instead of UTC (seen in Events). SOLUTION: Changed getTimestamp and setTimestamp to use UTC gmtime.	Moderate
KMIP SSL Trace not taken into account for EVENT 4154, 4155. ROOT CAUSE: SSL Trace analysis was not active. SOLUTION: SSL Trace analysis enabled.	Moderate
TAF 28d is not reported for redundant power supply. SOLUTION: FIX\IMPROVEMENT DESCRIPTION: Has been fixed in context of TAF story.	Moderate
Expansion Units get Time Synced but not the Timezone (misleading information). ROOT CAUSE: Timezone was not synced. SOLUTION: FIX\IMPROVEMENT DESCRIPTION: Sync timezone on startup and on timezone change. Logs on expansion are in UTC but systemtime is now the same as on base unit.	Moderate

## NEOxl 80 2.90 Implemented Stories

Description	Severity
LTO-9 support.	Moderate
Able to disable encryption with restore defaults.	Moderate
Increase Load Timeout for LTO-9 drives.	Serious

## Downloads

NEOxl 80 firmware version 2.90 is available for download for supported NEO users with active software entitlement agreements. Go to [https://download.overlandtandberg.com/Firmware/Neo\\_Series/Neo-XL/NEOxl80/](https://download.overlandtandberg.com/Firmware/Neo_Series/Neo-XL/NEOxl80/).

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