NEOs Series® Firmware Version 5.20 Release Announcement

January 2018

Preface

This Product Information Bulletin announces the release of NEOs Version 5.20 for all NEOs StorageLoader, NEOs T24, and NEOs T48 libraries, which adds support for LTO-8 drives.

Models Affected

NEOs Version 5.20 is supported as an upgrade for NEOs libraries running NEOs 5.10 or higher.

Upgrade Considerations

All systems running NEOs 5.10 or higher can be upgraded to NEOs 5.20. It is recommended that a system backup be completed prior to performing the upgrade.

Downgrades are Not Supported

NEOs release downgrades are not supported.

NEOs 5.20 New Features

Description	Severity
Support for IBM LTO8 drives added.	Moderate
A new SSL library was added supporting up to TLS 1.2 for SSL connections. In case the web browser in use does not support TLS1.2 and the ciphers listed below, a browser update is necessary: • DHE-RSA-AES256-SHA256 • DHE-RSA-AES128-SHA256 • DHE-RSA-AES128-GCM-SHA256 • ECDHE-RSA-AES128-GCM-SHA256 • ECDHE-RSA-AES128-SHA256 • ECDHE-ECDSA-AES128-GCM-SHA256 • ECDHE-ECDSA-AES128-SHA256	Serious
A configuration option for Telnet enable/disable added to System Configuration web-page.	Moderate

NEOs 5.20 Fixed Issues

Description	Severity
Fixed issues with memory fragmentation during runtime causing multiple issues.	Serious
Fixed issue with Sub-menu "Information Drive" is missing on 1U OCP when SAS drive is installed.	Moderate
Fixed issues when first login after library reboot failed without any information popup message.	Moderate
Improvements for B6 error (restore database from robotics controller failed) reporting.	Moderate
Fixed issues when Email notification delivery failed with email address 40 characters long.	Moderate
Fixed reporting issues when SAS Connector was disconnected in OCP > Status> Drive Status Speed is still showed 3Gb/s.	Moderate
Added new error message when an authenticated user attempts to change password of another user.	Moderate
Corrected error message when selecting service as admin on user page.	Moderate
Corrected issue with Sled blocked error with mailslot opened.	Moderate

Previous NEO 5.xx Changes and Enhancements

This is a cumulative release and includes all upgrades, feature enhancements, and bug fixes from previous NEO 5.xx releases:

NEOs 5.10 New Features

Description	Severity
Drive diagnostic page has been reworked. Now also accessible with admin level login to support pulling drive tickets from that level.	Moderate
Make bar code label reporting for host configurable over RMI.	Moderate
Support for IBM LTO7 drives added.	Moderate

NEOs 5.10 Fixed Issues

Description	Severity
Fix length checks in X509_cmp_time to avoid out-of-bounds reads. Tighten X509_cmp_time to reject more than three fractional seconds in the time, and to reject trailing garbage after the offset. CVE-2015-1789.	Moderate
Weak ciphers removed to fix SSL3 issue using Firefox.	Moderate
Relevant ciphers for Logjam issue removed to fix potential security vulnerability CVE-2015-4000.	Serious
Length check added to "dump trace to file" function to avoid writing beyond the available buffer size. Additional break condition added to prevent endless loop during pulling logs.	Serious
Save DPA to USB reworked to avoid system halt when the system gets frozen when download library dump to USB on OCP	Serious
Now showing correct drive firmware revision during upgrade over USB in case of IBM drive	Moderate
In case drive is disabled, all other items besides Status will be faded out on Drive Status Screen	Moderate

Downloads

NEOs Series Firmware Version 5.20 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.