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# BULL INFRASTRUCTURE SERVICES & SUPPORT



### NEO S Overland Libraries Drive Firmware Update using HTTP

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#### 1. Note and Prerequisite

Note:

Previously firmware updating, make you sure through customer's point of view that any process or storage services have been stopped.

Prerequisite:

One workstation running with Windows Opeerating System (95 / 98 / SE / ME / NT4 / 2000 / XP...) including IP modules and one Ethernet connection. NEO S library must be provided with one Ethernet connection too.

#### 2. HTTP connection onto library and drive model checking

Make an http connection with IP@ of the robotic (default password is 0000000).



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Select 'Identity' tab and 'Drive' tab to pick out the drive's model.

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NEO	S			Account:Administrator Logout Help	
System Status		Identity Status Configuration	Operations Support		
View Legend					
Updated: Wednes	sday,9/7/2011 16:41:10	Library Drive Network			
Status	Media Attention				~
Drive 1 Status	Ready / Cleaning Required	Drive Information	1 (LUN)		
Drive 2 Status	(Removed)	Vendor ID	HP		
Slots	0/23	Product ID	Ultrium 4-SCSI		
(Free/Total)	0.20	Serial Number	H019487001		
Mailslot	Closed	Firmware Revision	VV51VV		
Library Time	09-07-11 16:43	SCSID Dissission Classics	0		
		CCCL Element Address	1		
		Library LIN Negted Pu Drive	l Vee		
		Data Compression	Vec		
		Interface Type	SCSI		
					=
		Drive Information	2 🔀 (Removed)		
		Vendor ID	HP		
		Product ID	Ultrium 4-SCSI		
		Serial Number	HU19487UUT		
		Firmware Revision	VV51VV		
		SCSLID	1		
		Physical Drive Slot Number	2		
		SCSI Element Address	2		
		Library LUN Hosted By Drive	No		
		Data Compression	No		
		Interface Type	SCSI		
					~

In the exemple above, the featres of are

Vendor ID : HP Product ID : Ultrium 4-SCSI Firmware Revision : W51W

To get the suitable drive's firmware for this model, make an http connection on Overland site (see next chapter) and find out one directory named: HP\_LT04\_Drive.

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#### 3. Collecting the new firmware for drives

To collect the new firmware make a connection onto:

http://ftp.overlandstorage.com/Firmware/Tape\_Drives/

Hereunder the list for drive models (seen on November 2013):

ftp.overlandst	orage.	com -	/Firmware/Tape_Drives/
[To Parent Directory] Thursday, May 06,	2010 8:52	АМ	<dir> HP LTO1 Drive</dir>
Sunday, September 06,	2009 8:52	AM	<dir> HP LTO2 Drive</dir>
Wednesday, October 06,	2010 2:01	PM	<dir> HP LTO3 Drive</dir>
Thursday, January 06,	2011 7:39	AM	<dir> HP LTO4 Drive</dir>
Thursday, January 06,	2011 7:39	AM	<dir> HP LTO5 Drive</dir>
Sunday, September 06,	2009 8:52	AM	<dir> IBM LTO</dir>
Thursday, July 11,	2013 4:08	PM	<dir> IBM LTO4 Drive</dir>
Tuesday, June 18,	2013 11:19	AM	<dir> IBM LTO5 Drive</dir>
Wednesday, April 24,	2013 10:22	AM	<dir> IBM LTO6 Drive</dir>
Sunday, September 06,	2009 8:52	AM	<dir> <u>SDLT_DLT_Drive</u></dir>

Select the firmware depending on drive model: LTO1/LTO2/LTO3 or LTO4 Hereunder the next window if you select the LTO4 model from the list, ie URL: http://ftp.overlandstorage.com/Firmware/Tape\_Drives/HP\_LTO4\_Drive/

#### ftp.overlandstorage.com - /Firmware/Tape\_Drives/HP\_LTO4\_Drive/

 [To Parent Directory]

 Thursday, March 01, 2012
 2:27 PM
 <dir>> Fibre

 Thursday, March 01, 2012
 2:30 PM
 <dir>> SAS\_Full Height

 Thursday, March 03, 2011
 3:35 PM
 <dir>> SAS\_Half Height

 Thursday, March 01, 2012
 2:29 PM
 <dir>> SCSI Full Height

 Thursday, March 03, 2011
 3:35 PM
 <dir>> SCSI Half Height

 Thursday, March 03, 2011
 3:35 PM
 <dir>> SCSI Half Height

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Next step is to consider the type of the drive model commonly used:

Fibre	=> Fiber drive
SCSI_Full_Height	=> Full height drive
SCSI_Half_Height	=> Half height drive

Hereunder the next window if you select the model LTO4 SCSI half height from the list, ie URL:

http://ftp.overlandstorage.com/Firmware/Tape\_Drives/HP\_LTO4\_Drive/SCSI\_Half\_Height/

# ftp.overlandstorage.com -/Firmware/Tape\_Drives/HP\_LTO4\_Drive/SCSI\_Half\_Height/

[To Parent Directory]	L					
Friday, March	04,	2011	3:06	PM	<dir></dir>	NEO S
Thursday, January	06,	2011	6:39	AM	1387156	W22H.E
Thursday, January	06,	2011	6:39	AM	1388244	w22h.frm
Thursday, January	06,	2011	6:39	AM	1394644	W23H.E
Thursday, January	06,	2011	6:39	AM	1395732	w23h.frm
Thursday, January	06,	2011	6:39	AM	1401664	W51H.E
Thursday, January	06,	2011	6:39	AM	1402752	W51H.FRM
Thursday, March	03,	2011	3:35	PM	1412896	W53H.E
Thursday, March	03,	2011	3:35	PM	1413984	W53H.FRM

Because the drive in our exemple is from one NEO 5 Overland library, directory named 'NEO\_S' is to be selected.



Download firmware onto PC directory.

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### 4. New firmware installation onto tape drive

Click onto 'Support' tab, then onto 'Firmware' tab

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			±
NEO	5		Account Administrator Logout Help
System Status		Identity Status Configuration Operations Support	
View Legend			
Updated: Wednes	day,9/7/2011 16:51:06	General Diagnostic Service the Library Firmware Reboot	Library Logs Clean Drive Support Ticket Supplies
Status	Media Attention		
Drive 1 Status	Ready / Cleaning Required	Upgrade Library Firmware	
Drive 2 Status	(Removed)	Currently Installed Library Firmware E.03	
Slots (Free/Total)	0/23	Library Firmware File	Parcourir Updute
Mailslot	Closed	Upgrade Drive 1 Firmware	
Library Time	09-07-11 16:53	Drive Firmware Revision W51W	
			Parcouit Update
		Upgrade Drive 2 Firmware  (Removed)	

Click onto 'Browse' (or 'Parcourir' in french) and select the location of the new firmware. Click onto 'Update': "Are you sure" => OK

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The next window is displayed.

Adverse all http://128.105.212.60/humeset.ad						<b>10 - 10</b> - 10	Liens
NEO's				Account Administrator Logical Help			-
System Status Vew Legend Updated Wednesday Status	9/7/2011 16:57:56	Identity Statum Configuration Oper General Diagnostic Service the Library	ations Support Ferminare Roboot Library	Loga Clean Drive Support Tick	et Supplies		
Drive 1 Status Drive 2 Status Slots (Free Total) Mailslot	Upgrade (Renoved) 023 Closed	Upprade Library Firmware Currently Installed Library Firmware Library Firmware File	E.03	Paron	Updata		
Updating Drive Download Progress	innware 1379 KB transferred	Upgrade Drive 1 Fernivare Drive Firmware Reution Drive Firmware File Upgrade Drive 7 Fernivare	WSTW	Patour	Upchate		
		E3 @emoved) Drive Firmware Upgrade still in progre	est.				

On the left side section, the loading in progress for the new firmware.

When the drive firmware upgrade is finished, the next window is displayed.

