

# Release Notes

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**Product:** Scalar<sup>®</sup> DLC 2.7

**Operating Systems:** Windows 2000 / 2003

**Date:** September 2007

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## Purpose of This Release

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The Scalar DLC 2.7 release includes new features and enhancements that extend its capabilities. These release notes describe these new features and enhancements, as well as currently known issues and issues that were resolved for this release of the product. These notes also provide drive and auxiliary firmware compatibility information. Visit <http://www.quantum.com> for additional information about the Scalar DLC and previous releases.

## New Features and Enhancements

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The Scalar DLC 2.7 new features and enhancements include the following:

- **Additional Drive Support**

The Scalar DLC now supports IBM LTO-4 FC drives. The LTO-4 drive provides industry standard encryption capabilities and incorporates native encryption. LTO-4 increases capacity and performance levels from the previous LTO-3 generation.

- **Tape Alert Support**

A drive issues a tape alert whenever there is a problem in the drive that relates to a tape cartridge. To determine if the problem belongs to a drive or to a specific tape cartridge, you can use the tape alert report functionality to cross-reference tape alerts for drives and tape cartridges over a specified period of time

You can view tape alerts on the **Tape Alert** tab of your library or you can directly create and view tape alert reports using the **Report** function. To access the tape alerts feature, use **Configuration > Logical**. In the **Report Criteria** dialog box, you can choose how you want to sort the report and how you want to group the report.

You can sort the reports by:

- Drive
- Drive serial number
- Tape alert
- Count
- Last occurrence

You can group reports by:

- Cartridge
- Tape Alert
- Drive

You can export the report into either a spreadsheet or into a PDF file. For more information, see the *Scalar DLC Reference Guide*.

- **Cleaning Enhancements**

- Drive Cleaning
  - When a tape alert is issued that indicates cleaning is necessary, the drive is automatically cleaned.
  - You can manually choose a drive on the **Library** tab to initiate cleaning.

If **Auto Clean** is enabled, you can import and export cleaning cartridges. To import cleaning cartridges, go to **Configuration > Physical > Auto Clean Cartridge** pane, and then click **Import Clean Cartridges**. To remove expired cleaning cartridges, click **Export expired Cleaning Mediums**.

To use the auto clean functionality, you must first create a cleaning partition. If you choose to use the **Auto Clean Cartridges** feature, you do not need to configure clean pools. To create a cleaning partition, you can use the **Create Clean Partition Wizard**.

- Creating Clean Partitions

Cleaning partitions contain only cleaning cartridges designated for auto-cleaning operations. Assigned cartridges in a cleaning partition are not considered part of the logical library.

You can create cleaning partitions during the initial configuration and at any time after that, as long as unassigned slots are available. If no slots are available, you can still create a cleaning partition using the **Create Cleaning Partitions** wizard.

The new cleaning enhancements are SCSI-only For more information, see the *Scalar DLC Reference Guide*.

- **DAS/ACI Firewall Options**

The Scalar DLC offers enhanced firewall functionality. You can access the new options using **Configuration > Clients > DAS Clients**

- **Use FireWall:** Select to activate the TCP/IP receiver for the client

If you choose to enable **Use FireWall**, you also have the following options:

- **Accept only FW connection:** Select to refuse the RPC connection
- **TCP/IP Port:** The TCP/IP port address of the library

- **ROBAR Coordinate Remapping**

Improvements allow ROBAR clients to:

- Address all storage slots in larger libraries
- Remap physical library element addresses to logical element addresses that do not exceed ROBAR limits

- **SYN Attack Detection Settings**

If you are running Windows 2003 with SP1 or later, prior to initiating the installation of SDLC 2.7 software, the system automatically performs a check of the Windows registry to determine if the parameter that handles the firewall protection for SYN attacks is enabled or disabled. To prevent MS SQL conflicts and abnormal termination of Scalar DLC, it recommended that you disable the SYN attack detection setting.

After choosing **Software > Scalar DLC > Install**, you are prompted to disable the detection parameters.

If you are installing Scalar DLC on a Windows 2000, or a Windows system where the detection setting is already enabled, the parameter check will silently exit and the Scalar DLC installation will continue.

For more information, see the *Scalar DLC Reference Guide*.

## Compatibility Matrix

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The following table provides information about drive and auxiliary firmware compatibility with Scalar DLC 2.7. This information is current as of the publication date of these release notes. For the most current information, contact the Global Call Center (GCC).

Component	Firmware Version
Scalar 10K (both single and dual aisle models)	320A.00004
RMU	210A
AMC	4.5.1
SNC 3000	3.42.18
SNC 5100	4.45.22
<b>Drive Types</b>	
LTO-1	5AU1 (SCSI, FC)
LTO-2	67U1

Component	Firmware Version
LTO-3	73P5
LTO-4 FC 4Gb	75X2
AIT-2	0203_001
AIT-3	0209_0001
DLT-8000	V80
SDLT 220	V94
SDLT 320	V96
IBM 3590	DOIF_2D4
3592-J1A	D310_A0D
TS1120	D311_B25

## Resolved Issues

This release of Scalar DLC firmware resolved the following issues.

Change Request Number	Service Request Number	Description
<b>Version 2.7</b>		
62537	562780	Cannot login to SDLC GUI after upgrade to 2.6
61108		Rollup: A door open event of the S10k results in the scsi target busy situation
60508		Virtual library object receives unrecognized notification
60440	536846	Loses tracking for the medium after H/W error for move command
48329	445468	Include offline cartridges to the contents of pool displayed in GUI
44790		Write active cluster node name to SDLC log
37053	339878	Connection error between Scalar DLC and Sun server
35082	305410	Information about Start and Stop SLDC in the SDLC Log in the Log
35081	305404	SDLC: request license check before DAS server starts
33334	335098	LSCI Coordinate used by Scalar DLC does not fit for HACC
29378		UseCount of cleaning cartridges is not set to 0 during insert command

# Known Issues

This release of Scalar DLC 2.7 software has the following known issues:.

Change Request Number	Description	Workaround
70115 68817	GUI refreshing issues.	Ignore GUI status when performing configuration changes.
69922	LTO4 volser scsclient indicates already allocated for another client	Do not use the same media volsers for both DAS and SCSI clients. Neither the S10K nor the Scalar DLC can handle the duplicate volser assignments. The allocation reserve resulted from duplicate volsers - one set assigned to the DAS logical library and one set assigned to the SCSI logical library.
67156	SLDC 2.6 HF01 - Export of numerous cartridges fails - system just goes in hold state.	Export all required cartridges first and then make all needed configuration changes.
59104	SDLC GUI reflects incorrectly LUN firmware version	
58936	Advanced Upgrade requires removal of hotfixes - remove hotfix 48 fails	Would the removal of HotFix 48 fails, just ignore this error and remove Scalar DLC 2.5 as usual. Then delete the whole SDLC folder manually and install Scalar DLC 2.6.
58899	SQL server can not be reinstalled correctly	Do not remove MS SQL server (MSDE 2000 SP4) after installing Scalar DLC 2.6. Would that be done, re-installing the whole system using Recovery CD may be required.
58406	SDLC does not list Tape Drive Serial Numbers	
57875	Database jobs lose ownership	See <i>Scalar DLC Install Guide</i> , Troubleshooting chapter.
56797	Triple Check of any Event multiples strings at Monitoring Tab EventList	
56407	SQL server agent is not started	Start it manually via Services.
54123	View2 returns duplicated (four-times) info for volsers of 3592 media type	
36381	Scalar 100 support	
33642	Multiple scratch pool membership for single cartridge	
32455	Cartridge recovery from pass through slots	

<b>Change Request Number</b>	<b>Description</b>	<b>Workaround</b>
32432	Scalar DLC create a duplicate cartridge.	
32187	Primary aisle will not run mount test without secondary aisle online ready, read element status fails	
31822	Documentation and media ID extensions	
31542	Cartridge not moved from drive.	
31380	Assign Partitions wizard must create mailboxes.	Create mailbox manually.
31250	SEs need a document with the clear recovery procedure.	
31204	Drive status is not refreshing in Management GUI	<ul style="list-style-type: none"> <li>• Force refresh</li> <li>• Close Management GUI and log in again</li> </ul>
29259	Log Sense Page 30 (stats) on dual aisle only reports robot 1 data	
28990	DB Tool should use only trusted connection. sa login should be removed	
28849	There is a problem with refresh the list of logical libraries after rescan bus.	<ul style="list-style-type: none"> <li>• Force refresh</li> <li>• Close Management GUI and log in again</li> </ul>
28843	Command cellinfo does not work correct.	
28819	Repair > Scalar DLC server > Computer renaming and Repair > Scalar DLC server > Repair SDLC user account: "Fatal error during installation" message.	
28813	Command allocv [volser range] DOWN Client should be executed only for defined volser range.	
28797	No notifications to the user that scheduled backup failed	Check Scalar DLC log on backup scheduled time
28794	Command inventory with options tower and linear does not work	Use plain <i>Inventory</i>
28765	SCSI INQ C0 message has Firmware Revision=210A all in caps Library direct does not.	
28761	Error message window pops up on entering in turn Main and 'Tools and Utilities' pages	

# Documentation

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The following documents are currently available for the Scalar DLC.

Document Number	Document Title
6-01023-02 Rev A	Scalar DLC Unpacking Instructions
6-01337-04 Rev A	Scalar DLC Reference Guide
6-00058-05 Rev A	Scalar DLC Installation Guide
6-01640-01 Rev A	Scalar DLC Basic SNMP Guide

## Contacting GCC

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More information about this product is available on the Service and Support website at [www.quantum.com/support](http://www.quantum.com/support). The Service and Support Website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

Contact information for the Global Call Center (GCC) follows.

<b>Global Call Center:</b>	+1 800-284-5101
<b>For additional contact information:</b>	<a href="http://www.quantum.com/support">www.quantum.com/support</a>
<b>To open a Service Request:</b>	<a href="http://www.quantum.com/esupport">www.quantum.com/esupport</a>