

Scalar[®] Distributed Library Controller

Version 2.4

Release Notes

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Scalar Distributed Library Controller Release Notes

These release notes cover the release of Scalar Distributed Library Controller¹, Version 2.4. If questions arise about any of these notes, call the ADIC Technical Assistance Center (ATAC) at the appropriate number.

USA 00-827-3822

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Pre-Installation Checklist

The Scalar DLC system requirements depend both on the library used and on the system solution as well. Collect the network parameters (host name, TCP/IP subnet mask, DNS address, etc.) for each PC where the Scalar DLC is to be installed. Ensure that the person who will install the software has the rights of local admin on all appropriate computers, or domain admin if the Scalar DLC must be installed under domain account. Check whether all the PCI slots and network adapters work ok.

Scalar DLC Solutions

According to the customer requirements, the Scalar DLC can provide a basic (standard) solution or a cluster (failover) solution. Depending on the library used by the customer, the solution and system configuration should be selected, as shown in Table 1.

Library	Scalar DLC Solution
Scalar 1000	Basic, Cluster
Scalar 10K	Basic, Cluster
Scalar 10K DA	Cluster (Basic is possible only as an exception)
AML/J	Basic
AML/2 (single-aisle only)	Basic
AML/E	Basic

Table 1Libraries and Solutions

Basic Solution

The Scalar DLC Basic (standard) solution keeps all Scalar DLC components (server, database, etc.) on a single PC that is connected to a library and client(s). The clients can work with the library when the Scalar DLC software is started and the library is online.

The Scalar DLC standard solution requires a single PC, the library, and the interface cables to provide the connection between the PC (Scalar DLC host) and the library.

For the requirements and instructions, refer to *Scalar DLC Install and Upgrade Manual, Setting Up the Basic Solution* section.

^{1.} Scalar Distributed Library Controller is a trademark of ADIC. Throughout the remainder of this document, we refer to the Scalar Distributed Library Controller software as Scalar Distributed Library Controller or as Scalar DLC.



Cluster Solution

The Scalar DLC Cluster solution is provided for customers who require a failover solution. The Scalar DLC Cluster is based on the Microsoft Cluster Service. This solution allows the user to have a shared disk with the Scalar DLC database and two hosts containing the installed components of Scalar DLC software; for redundancy reasons, one host is online and the other is offline. If an error occurs and the online Scalar DLC host turns offline, the other host will immediately go online, so that the user may not even notice there has been a problem with the host, and the customer engineer can work on the problem host without stopping the work of Scalar DLC software.

The Scalar DLC failover solution requires two identical PCs, a RAID system, the library, and the interface cables to provide the connections between PCs (Scalar DLC hosts), RAID (shared database), and library.

WINDTE: The failover solution currently is implemented for Scalar libraries only.

For the requirements and installation instructions, refer to *Scalar DLC Install and Upgrade Manual, Setting Up the Cluster Solution* section.

Hardware Requirements

The Scalar DLC system requirements are summarized in the following list:

Required:

- PC that matched the Microsoft PC 2000 System Design Guide Specifications (two identical PC are required for the Cluster solution):
 - 800 MHZ or faster Inter Pentium TM or equivalent CPU (minimum 4 free PC slots in chassis).
 - 256K L2 Cache.
 - 512 MB RAM.
 - Dual matched Hard Drives (10GB or more).
 - CD RW.
 - 3.5" Diskette Drive.
 - 15" or greater SVGA Display.
 - Standard keyboard & mouse.
 - Ethernet 100Mb adapter (network connection); two adapters are required for the Cluster solution.
 - NT/2000 compliant LVD SCSI initiator adapter, RAID connection (only for the Cluster solution).
 - NT/2000 compliant LVD/HVD SCSI initiator adapter (library connection).
- 1 ArrayMasStor J or G Series ADTX RAID System.
- Cables, terminators, etc. to provide the connections between PC and library.

Optional:

FC switch.





 SCSI/FC target HBA adapter(s). Refer to Table 2 for a description of SCSI and Fibre Channel adapters that could be used in the system.

Adapter	Туре	Connection (external)	Max targets	Max SCSI ID	Max cable length, m
LSI 8951U	SCSI	68-pin very high density LVD/SE	15	15	12(LVD) 5(SE)
LSI 8751D	SCSI	68-pin high density HVD	15	15	25
ASC-U2W	SCSI	68-pin very high density LVD/SE	15	15	12(LVD) 5(SE)
ASC-UW/H	SCSI	68-pin high density HVD	15	15	25
QLA 2300/ QLA 2310	Fibre Channel	Small form factor multi-mode optic LC	31	127	-
QLA 2200	Fibre Channel	SC duplex multi-mode	31	127	-

Table 2	SCSI and F	ibre Channel	Adapters
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The QLA 2340 adapter is not supported in current release of Scalar DLC.

Only the older models of ASC adapters are supported.

For the details refer to Scalar DLC Install and Upgrade Manual, Setting Up the Basic Solution or Setting Up the Cluster Solution section.

Software Requirements

The Scalar DLC system is distributed as a Windows Installer installation database (file *ScalarDLC.msi*) and MSIEngine launcher (file *ScalarDLC.exe*). For the Scalar DLC software to operate properly, the following software components are required. These components will be installed as a part of Scalar DLC Typical Installation process.

- MS IE 6.0 or higher.
- Java (2) Runtime Environment, SE including Java Plug-in version 1.3.1_02.
- Apache Web Server or Internet Information Server (IIS can be installed only manually).
- Remote Administration service based on Microsoft Server Appliance Kit (available only with IIS).
- MSDE 2000 with Service Pack 3.

<u>Before</u> installing the Scalar DLC software gather the following information and make sure the appropriate conditions are satisfied.

• Remove any currently installed versions of WinNT or Win2000 prior to a new installation. The Scalar DLC installation setup requires a clean Win2000 installation.



The Win2000 Advanced Server with a Cluster service support is required to install the Scalar DLC Cluster (failover) solution.



- Local admin rights are required to install the Scalar DLC software on the PC. Domain admin rights are required to install the Scalar DLC software under the domain user account.
- Collect the Scalar DLC software serial number. The serial number sticker is located on the front of the CD jewel case.
- Collect the **From** and **To** email addresses, the SMTP email server, and the SMTP port number in order to specify the correct customer and notification settings.

<u>After</u> installing the Scalar DLC software gather the following information and make sure the appropriate conditions are satisfied.

- The host name and network name of the PC where the Scalar DLC software is installed. They are required to launch the Scalar DLC GUI Manager either as a browser applet or as a Java application.
 - The existing user password, or one of the following defaults to log on the Scalar DLC Management GUI:
 - For the Scalar DLC administrator, use the logon name "admin" and the password "password."
 - For the Customer Engineer (CE), use the logon name "atac" and the password "guardian."
 - Adobe Acrobat Reader software version 4.0 or later is required to view the online documentation in PDF format. If a copy of Acrobat Reader is not installed on the PC, visit http://www.adobe.com/ for a link to the Acrobat Reader download location.

Library Requirements

The library must be correctly set up for correct performance of the Scalar DLC system.

Operating mode

AUTION:

The Scalar DLC software may work not properly if the tape library operates in an unsupported mode.

For the Scalar 1000 library the following operating modes are supported:

- Native
- EXABYTE compatibility
- Storage Technology compatibility
- EMASS compatibility

For the Scalar 10K library only native mode is supported.

For the Scalar 10K DA (dual-aisle) library:

- Both medium changers (aisles) must run in native mode.
- Both medium changers (aisles) must operate in non-compressed mode.
- At the time of the first configuration both medium changers (aisles) must be in *online* state. *Ready* state is not required.

Additionally, for libraries with towers (AML/2, AML/E, Scalar 10K, and Scalar 10K DA):



• At the time of the first configuration all towers (if any) must be in library (online) state.

Firmware Version

Check the Table 3 and ensure that the firmware version of each tape library used meets the Scalar DLC requirements.

Tape Library	Required Firmware	Comment
Scalar 1000	3.0 or newer	If the current version is 2.3 or older, contact ATAC. A Customer Engineer will upgrade the library with the appropriate firmware version.
Scalar 10K	1.0 or newer	
Scalar 10K DA	200A or newer (for both robots)	
AML/J	PMAC Microcode 4.11or newer	Can be downloaded and installed via the Scalar DLC AML/J Tool. Refer to <i>Scalar DLC AML/J Guide</i> .
AML/2	V0230H0000 or newer	If the current version is older, contact ATAC. A Customer Engineer will upgrade the library with the appropriate firmware version.
AML/E	V0230H0000 or newer	If the current version is older, contact ATAC. A Customer Engineer will upgrade the library with the appropriate firmware version.

Table 3Required Firmware Version

If the Scalar-library firmware version is older then required, a higher version firmware can be downloaded by the user. Perform the following steps:

- **Step 1** Install Scalar DLC software.
- **Step 2** Use the automatic configuration procedure to configure the library. Do not inventory the library at this time.
- **Step 3** Use the Firmware Tab to download the firmware from the disk. If Autoteach is enabled, skip the next step.
- **Step 4** Teach the library. Refer to the *Scalar 1000 Operator Guide* and *Scalar 10K Operator Guide*.

Installation

To install the Scalar DLC software, load the Scalar DLC Installation CD, launch the Scalar DLC Typical installation from the Autostart page (for the details refer to *Scalar DLC Install and Upgrade manual, Scalar DLC CD-ROM Contents* section), and select "Scalar DLC". The Scalar DLC installation can be also launched manually: browse the CD for <%RootCD%>\Scalar DLC\Scalar DLC\scalarDLC.exe file and launch it.

The Scalar DLC installation procedure includes:

- · copying all necessary files of the Scalar DLC system;
- · creating the SDLC user account for the Scalar DLC system;
- · registering the Scalar DLC system components on the PC under SDLC user account;



- creating and configuring the Scalar DLC database;
- configuring the WEB server to use with the Scalar DLC system;
- configuring the SNMP service to use with the Scalar DLC system;



If the SNMP system service is not installed, the Scalar DLC installation cannot install it. SNMP is a component of Windows2000. The Scalar DLC however does not require this service and can be installed without it.

- checking, installing and configuring other required software (such as the NobleNet RPC components, SCSI Target Mode Driver, etc.);
- configuring and preparing the operating system and the Scalar DLC system to autostart during Win2000 startup.

To install the Scalar DLC software from a network image (Administrative mode), load the Scalar DLC software into a shared folder <SharedFolder> on a network using the command: START "" /I /B ScalarDLC.exe /a.



To install the Scalar DLC software from a network image onto a local Workstation, launch: *ScalarDLC.msi* from the network shared folder <SharedFolder>.

Installation steps

- Step 1Welcome to Scalar DLC installation wizard.
This is the first dialog of the Scalar DLC installation process. Click the Next button to
continue.
- Step 2
 License agreement.

 The second dialog is the license agreement for the ADIC Scalar DLC software. Agree to the license and select Yes to continue.
- Step 3 Checking the required components. The installation can continue if all the required components are installed. Otherwise, launch the Typical Installation to improve the situation or cancel the installation process.
 If more that one Web Server (Apache or IIS) is installed on the local system, specify the server that will operate for the Scalar DLC. The second web server service will be

disabled. The Remote Administration support does require the IIS. **Step 4** *Customer information*.

The information about the customer is extracted from the OS settings on the current computer. Complete any missing information and continue.

 Step 5 User account creation, Component registration. The Scalar DLC system functions in the Win2000 OS under a specially created user account. It allows the system to access computers over the network and also enforces the system security. The SDLC user account can be created on the *local* (built-in) domain of a standalone Win2000 or on a *network* domain on a Primary Domain Controller (PDC) if the computer belongs to an NT-compatible Domain. Local administrator rights are required on the current computer to add a newly created



account into the local **Administrators** group of the computer. The advanced user rights to *log on as a service* (to start the Scalar DLC Supervisor and NS Email Connection services) and to *log on as a batch job* (to launch the Scalar DLC DCOM Objects) are set. If the user account already exists in the system, the installation will only grant it the advanced rights and add the account to the local **Administrators** group on this PC. If the Scalar DLC is set up on an NT-compatible domain, and the logon session is active using a BDC (Backup Domain Controller), the user might be forced to wait while the PDC \leftrightarrow BDC synchronization completes. The user may ask the Domain Administrator to force the PDC \leftrightarrow BDC synchronization manually.

Press the **Check** button to determine the user's administrative rights on the specified server or domain. If the rights are *Admin* on the specified servers, the **Next** button will be displayed and the installation can continue.

If the creation/modification of the SDLC user account finishes successfully, the user will be able to continue the installation. If an error message on the next dialog is received, the user can return to the previous dialog, "SDLC user account information", to edit the information and repeat the operation.

Step 6 Database information

This step creates and configures data for the Scalar DLC database. The following editable parameters are present:

a. The Database name. "SDLC" is the default name.



Do not use spaces in the database name.

- b. Configure the compact database job settings.
- c. Configure the backup database job settings.

Step 7 Create or Keep

If the SDLC database already exists and the database version matches the version of the current installation, the *Create new database* or *Use existing database* dialog will be displayed. If the *Use existing...* is selected, skip Step 8 and Step 9.

— or —

Create or Upgrade

If the SDLC database already exists and the database version does **not** match the version of the current installation, the Create new database or Upgrade existing database dialog will be displayed. If the *Upgrade existing*... is selected, skip Step 8 and Step 9.

NOTE: The Upgrade mode is available only from Scalar DLC ver. 2.1, 2.2, and 2.3. In case the upgrade is not possible, the clean database can only be created.

- Step 8
 Notification Settings

 Configure the settings for the Scalar DLC notification system and press the Next button.
- Step 9Setup typeChose either the Typical or Custom installation.The Typical type installs and configures all of the system components into the default

Scalar DLC home folder: <SystemDrive>\Program Files\ADIC\SDLC. The *Custom* type allows to selectively install and configure the necessary components of the Scalar DLC. The Scalar DLC Components Configuration tree on this dialog represents the logical levels of the Scalar DLC and allows the user to select the required support for different types of Scalar DLC clients and libraries. If the selection requires a hardware driver installation, the installation implements the required checking.

The *Custom* type also allows to select a home folder other than the default.

😻 NOTE:

If the SCSI/FC Target drivers that are present on PC are older than the current Scalar DLC version, it is strongly recommended to remove them and then install the newest drivers manually.

After the installation, the Scalar DLC installation folder will contain the following directory structures:

<SDLC home folder>

- \BIN - the Scalar DLC binaries

- \DB - the Scalar DLC database scripts

- \Docs - the Scalar DLC Documentation

- \Dump - the Scalar DLC 'Dump's' information

- \Simulate - the Scalar DLC data for simulate mode

- \WWW - the Scalar DLC web components

-|- \Log - the Scalar DLC 'Logger service' information

- \Trace - the Scalar DLC 'Trace' information

- \com, \images, \jewel, \jsdk- the Scalar DLC internal folders

- \helpindex - the Scalar DLC online help system

Step 10Ready to installPress the Install button. Wait until the installation is finished.

Step 11 Customer registration form When the installation sequence is finished, the Registration information dialog pops up. Fill in the customer registration data. The next step of the dialog allows to print the Customer Registration Form for fax or postal mail, or to send the Customer Registration Form by e-mail. This fields are saved in the Scalar DLC database. Checking the On checkbox launches the License Client Wizard and sends the license request. Press the Next button.

Step 12 Read the *Summary information*.



- **Step 13** Answer **Yes** to immediately restart the PC. The Scalar DLC system will be ready after the restart.
- Step 14
 Run the Web browser or use the Scalar DLC Manager shortcut to launch the Scalar DLC Management GUI.

 If the Web browser is used, open the following URL: http://ScalarDLC-machine-hostname/. The Scalar DLC homepage should appear. Press Launch Management GUI button to start the applet-based Management GUI.

 If the Scalar DLC Manager shortcut is used, begin by using the start menu (Start > Programs > Scalar DLC) to launch the application-based Management GUI.

Remove

To remove the Scalar DLC software, the local admin rights are required. Launch 'Add-Remove Programs > Scalar DLC' from the Win2000 Control Panel and select **Remove**. Doing this runs the Scalar DLC installation wizard, which removes the Scalar DLC system from the PC.

Modify

The user can add/remove components (DasRpc, ScsiTarget, HocTcpip, etc.) that were added to the Scalar DLC kernel during installation. Local admin rights are required to do so.

To modify the Scalar DLC system, run the installation package or choose *Scalar DLC* from the **Add/ Remove programs** dialog from the Win2000 Control Panel. When asked for installation type, select **Modify**.

Repair

The user can repair a damaged Scalar DLC installation. The damage may be caused by Scalar DLC user account troubles, database troubles, or because the PC name has been changed after the installation of Scalar DLC. Local admin rights are required to make the repairs (the domain admin rights are required to repair the Scalar DLC software installed under domain account).

To repair the Scalar DLC system, run the installation package or choose *Scalar DLC* from the **Add/ Remove programs** dialog from the Win2000 Control Panel. When asked for installation type, select **Repair** > *Repair server*.

To repair the Scalar DLC database, run the installation package or choose *Scalar DLC* from the **Add/Remove programs** dialog from the Win2000 Control Panel. When asked for installation type, select **Repair** > *Repair database*. The database will be recreated as a clean one or upgraded to the correct version (if the current database is taken directly from Scalar DLC ver. 2.1, 2.2, or 2.3).

Configuration

Use the Scalar DLC Management GUI with one of the following browser:

- Internet Explorer 5.0 or higher version. The Java Plug-In is required. The user can install IE and open the Scalar DLC home-page (http://ScalarDLC-machine-name) after the Scalar DLC installation is completed. The plug-in (j2re-1_3_1_002-win-i.exe) then installs automatically.
- Netscape Navigator 6.0 or higher. The Java Plug-In is required. Install Netscape. Download the Java Plug-in from the Scalar DLC home-page (http://ScalarDLC-machine-name) after the Scalar DLC installation is completed. Launch the plug-in executable file (j2re-1_3_1_002-win-i.exe) manually, then start the Scalar DLC Management GUI.

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• The Java application for a remote user can be downloaded from the Scalar DLC homepage (http://ScalarDLC-machine-name, *Tools and Utilities*) after the Scalar DLC installation has been done. Download the Java Plug-in. Launch the plug-in executable file (*j2re-1_3_1_002-win-i.exe*) manually, then start the Scalar DLC Management GUI.

To launch the Scalar DLC Management GUI, either type **http://ScalarDLC-machine-name** in your web browser or start it from **Start > Programs > Scalar DLC > Scalar DLC Manager**.

General Recommendations

- The current Scalar DLC installation package can be installed on Windows 2000 operating system.
- ADIC strongly recommends that all customers use commercial virus protection software in conjunction with their Scalar DLC integrated controller.
- A remote SQL server location is not supported.
- Set the Color palette of the Desktop to more than 256 colors.
- The *Upload Firmware code* feature is not available for an applet-based Scalar DLC Management GUI.
- The remove process deletes all the Scalar DLC internal components, but not the Scalar DLC account name and password set up during the installation.
- Veritas Netbackup works only with drives allocated for the Netbackup Client. Veritas Netbackup does not support the DAS ACI interface call for drive allocation. An initial allocation can be made through the dasadmin command line utility or the Scalar DLC Management GUI.
- Before the Scalar DLC software can recognize a library by a Scan SCSI Bus, the library must be in the "Online/Ready" state. Placing the library online and then starting the Scalar DLC software service is strongly recommended.
- Close the Scalar DLC home page in the browser after exiting the Scalar DLC Java applet.
- Some actions may require a long completion time. The GUI doesn't necessarily indicate that the process is still running, giving the illusion that the system is "hung." To determine Scalar DLC activity, monitor the following processes: Database.exe, java.exe, and sqlservr.exe.
- After the upgrade from ver. 2.1 to ver. 2.4 the old SCSI Targets are to be manually assigned to the existing SCSI Ports. When the Management GUI is first launched, the SCSI configuration pane appears. Assign SCSI Targets to the appropriate ports, then close pane and restart Scalar DLC for the changes to take effect.
- After changing the ROBAR port for the ROBAR interface, restart both the Scalar DLC Management GUI and the Scalar DLC supervisor.
- After power cycling the Scalar 1000, reboot the PC so the Scalar DLC software recognizes the library.
- The new PMAC microcode for the AML/J library can be downloaded only after the robot power is off.
- Before teaching the AML/2 or AML/E library, place the special device with teach labels in each drive.
- The Scalar DLC Cluster (failover) solution with fibre target(s) and Brocade switch requires "zoned" connection.



- If the slot is marked as a home position of a cartridge that is currently in a drive or in the mailbox, it can be used as a move destination ONLY if no other client except the SCSI client can access this slot, and ONLY by the command executed from the client side. If the slot can be accessed by DAS or ROBAR client, the move command will fail.
- In case of using AHA-39160 for the SCSI communication with the library and/or RAID, it is required to install the latest patch of Initiator mode driver. This patch can be downloaded from Adaptec web site (http://www.adaptec.com).

VOTE:	If a demo runs several thousands of commands through the Scalar DLC software per day, a daily backup and compress may not be adequate. In this case, schedule a higher rate for backup and compress. The backup and compress of the Scalar DLC Database should be scheduled with adequate time between each event in order to avoid conflicts.
😻 NOTE:	The sharing of drives and I/E slots can cause problems and will not work with SCSI/FibreChannel clients.
😻 NOTE:	Configure <u>all</u> SCSI client applications to use LUN 0. In case of Fibre Channel, at least one Target must be set up with the SCSI ID 0.

Enhancements in Scalar DLC Ver. 2.4

Scalar 10K DA library support	The Scalar DLC software recognizes and operates the Scalar 10K dual- aisle library.
AML/E library support	The Scalar DLC software recognizes and operates the AML/E library.
Remote Administration in Scalar DLC	The Remote Administration system based on Microsoft Server Appliance Kit (SAK) is supported by the Scalar DLC software.
Media rules	The new functionality that allows manual change of media type for a range of media is implemented (Configuration > Physical > Library > Mode).
Freeze/Activate command queue execution	The new functionality that allows hold/release command queue execution is implemented (Configuration > Physical > Library).
HCC/MVS support	For ROBAR Client added HCC/MVS (HACC/MVS) command interface support.
Fibre Channel virtual WWN support	The way to resolve virtual world-wide name for Fibre Channel target adapters is added to the SCSI Target Port Tool.
Management GUI improvements	More user-friendly way to create media pools and mailboxes is implemented.





New drives & media support

DB script to migrate from Scalar DLC version 2.1, 2.2, and 2.3 to version 2.4 LTO 2 media and appropriate drives support is implemented; also are added IBM LTO FC and Quantum SDLT 320 drives. For the complete list of media and drives supported by the Scalar DLC, see the *Scalar DLC Reference Manual, Utilities and Application Notes* chapter, *Application Notes* section.

The database from Scalar DLC version 2.1, 2.2, and 2.3 can be upgraded to Scalar DLC version 2.4.

Resolved Issues

3577	During part inventory the second slot is inventoried last. And SDLC forgets to update the second slot in the database.
3555	Scalar DLC returns erroneous status on an element move.
3518	Customer request: "Area is full" when trying to import cartridges
3499	Add default inquiry data for FC driver for FC Switch name server database
3491	Scalar DLC brought on line with an off-line aisle cannot recognize aisle when it is returned to on-line state
3490	Need to add fabric login and logout procedures to drivers for QLA-2200 and QLA-2300
3489	Switching tower to Service Mode allows media locations in that tower to be accessible
3480	Functions involving both accessors are not performed simultaneously
3465	After save and restore starting Scalar DLC is blocked by SCSI Target
3457	Disconnect SCSI connection to Library and Failover does not change nodes
3452	GUI doesn't update after IE door is closed with different types of media
3449	GUI stays hanging when operations (like inventory) are in progress
3438	Incorrect slot count for 8mm tapes
3423	None of the DAS-clients were able to connect to the SDLC.
3409	SDLC GUI Manager window become blank and at the same time the SDLC - DAS hung
3404	Commands mount and eject do not execute if one robot is in offline
3397	Serial number returned by SCSI Target should be reduced from 16 to 14 chars
3387	fibre target not being seen by client os
3371	DuPont problem. Incorrect representation of cartridge in libraries.
3359	It is necessary to perform independent operations on two robots in parallel
3329	SDLC won't accept commands from the initiator
3320	The installation of MSDE 2000 Service Pack 3 should be added
3317	SHARED_ACCESS support feature should be added to the Scalar DLC DAS Client.
3316	memory leak problem in the Scalar DLC AML/J
3315	There is no notification to user that driver software has changed during installation
3271	Auto refresh doesn't work properly after creating a new log file
3241	License. It would be advisable to take into account not only date of the first install of Scalar DLC but also date of the last install of license.
3239	SDLC should work with versions of firmware older then 150A and 600A.
3238	Indication of Home position is incorrect for slots after cartridges from them were removed from library.
3233	GUI cannot attach remotely to cluster name after cluster has switched machines



3186	DAS command eject -c doesn't take into account indicated media type
3183	It is necessary to show LSCI coordinates of destination slots for move command via GUI
3118	Log viewer. Message "Invalid message header format" is given and no more information appear in log.
2998	AIT media type should be implemented
2956	GUI SCSI Client mode parameters are not refreshed if having been changed by SCSI Initiator
2156	Impossible to move a cartridge from a slot into the same slot
2156	It is impossible to move a cartridge from a slot into the same slot

Known Issues

3575	In the SDLC is it not possible to teach rack type L6.
3569	No SCSI driver will be installed automatically if there is no already installed (old version)
	driver and selected option "Install immediately after the Scalar DLC installation finished".
3568	Clean tape can't be dismounted
3566	Moves from tower to drive of Robot1 and vice versa fail after switching the robot2 offline/ online
3563	After changing state of a tower to online - offline – online GUI stop respond.
3561	Failure updating SCSI Target drivers leads to their removal from the system
3554	In case when cluster service is not started it will be good to check status of it and try to start.
3551	It will be good to try to change node if we have problem with busy port 1099 on the second one.
3519	Menu Operator Panel. If robot is in offline that the buttons donit work for in it
3517	Configuration > SCSI Target > Fiber card > Add New SCSI Target allows SCSI ID set to 31
3454	There is no warning about some media support lost after old database restore
3432	It is necessary to show in GUI information about real SCSI addresses of elements for SCSI clients.
3339	Adapt SCSI Target mode for the operations with a library that contains optical media.
3338	DAS: Conceptual problem with quantity of symbols of LSCI coordinate for drives in DA.
3335	SDLC>Events>Rules>Notification via e-mail. Some fields are "not available" for below mentioned Rules.
3333	Service notification for the below mentioned events is not sent.
3327	Media Type Aliasing is not available until a successful inventory occurs
2745	When Scalar DLC automaticly creates tickets there is nothing in the description.
2696	Volser is randomly changed between side A and B on moving an optical cartridge
2642	Inventory (Init element status) from GUI should be interruptible
1423	SAC codes should be displayed in the Notifications pane
1163	Rules: cannot receive notifications related with a specific client

