



StorageTek™ ACSL

AUTOMATED CARTRIDGE SYSTEM LIBRARY SOFTWARE

Release Notes

316121502

Version: 7.3

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ACSL S 7.3 Release Notes

ACSL S 7.3 with PUT0801 uses the relational database PostgreSQL. The change to use PostgreSQL only changes the internal database used by ACSLS. It has no impact on the ACSLS API client interface or `cmd_proc`. The porting to use this new database includes basic database functions, back and restore utilities, as well as the import/export utility.

With ACSLS 7.3, we specify a minimum memory requirement of 512MB and a swap requirement of 1GB (on disk). This is a change from the current ACSLS minimum which is 256MB and 512MB of swap.

Please check the Sun website for any maintenance releases.

■ Software Requirements

- The minimum supported Solaris version is Solaris-10, Update-4 (08/07). A supported version of PostgreSQL is included as part of the standard Solaris installation and no special installation procedures are necessary for PostgreSQL. If you are running in Solaris Zones, be sure to apply the latest Solaris patch cluster.
- AIX 5.3 Technology Level (TL) 6 and AIX 6.1. PostgreSQL 8.1.4 is supported, but is not bundled with AIX. It is included with the ACSLS 7.3 CD, and must be installed separately.

■ Features and Enhancements

ACSL S 7.3 (PUT0801) provides the following features and enhancements:

- Sun StorageTek Virtual Tape Library (VTL) support

Sun VTL is a new LSM type that is visible when you use the `display` command. It identifies generic virtual libraries as implemented in the FalconStor-based Sun VTL product line. A Sun VTL library can be configured, managed and operated just like any other single-LSM, SCSI-attached library. ACSLS License Key limits are still applied against volumes residing in Sun VTL libraries.
- Access Expansion Module (AEM) support
 - The AEM will provide a bulk enter capability for the SL3000. It is not designed for enters or ejects of small numbers of cartridges.

- The maximum CAP priority for an AEM is 1

To prevent a small number of cartridges from being automatically selected when the CAP ID is wild-carded (with an asterisk), ACSLS does not allow AEMs to be set to a priority greater than 1. This reduces the chances of an AEM being automatically selected for small enters and ejects.

- CAP Aliasing

With PUT0801, you are no longer able to alias CAP 0. Cap 0 is reserved for the Access Expansion Module (AEM) on the right and has special characteristics. Because of this, only CAP numbers 1 and 2 can be used as aliases.

- Drive End-of-Life and Cartridge Warranty and End-of -Life Percentages

The `display` command now shows nicely formatted drive end-of life percentages, as well as the cartridge warranty life and end-of-life percentages. They are displayed as a three-digit percentage with a resolution of .1 percent followed by a percent (%) sign. The command is:

```
display volume * -f warranty_life end_of_life
-s end_of_life
```

Example Output:

vol_id	Warranty_life	End_of_life
NA0163	54.8%	49.8%
RC0003	119.7%	108.8%

- An `-f` (force) option added to the `del_vol` utility

The force option permits you to re-enter cartridges that were stuck in a tape drive. With the `-f` option, you can delete a volume or mark it absent without verifying if the volume is actually in the library. This permits you to delete from the database a volume that was in a faulty tape drive. Using this option, you can remove the volume from the drive, delete it from the database, then re-enter the volume for normal library use while the drive is being repaired.

- New Status Bar

On Solaris installations, a new status bar will display the current status of the software startup sequence. When you start the software using `rc.acsss`, an ASCII status bar will display the current status toward initialization completion. This display can be suppressed using `rc.acsss -q`. Detailed status can be displayed using `rc.acsss -s`.

- Support for T10000B drives