

SOS/Solaris Performance Advisor Release Notes

Version B.02j Release Overview

This set of release notes contains a product history of the SOS Performance Advisor for Solaris 2.5, 2.6, 2.7, and 2.8 (32-bit and 64-bit) systems by Lund Performance Solutions.

NOTE Lund Performance Solutions strongly recommends that you review all SOS Performance Advisor screens and restart your logging processes after updating to a newer version of the application.

Product History

The SOS/Solaris Performance Advisor product history lists all significant modifications and enhancements made to the application since the last major release (B.00a). The product changes are grouped according to version number and ordered by Service Request (SR) number.

Version B.02j

Service Request #	Description of Product Change
3883	Work around provided for the rare instances where the OS reports conflicting names for disk devices.

Version B.02i

Service Request #	Description of Product Change
3588	Invalid input in the Print Dialog caused SOS to exit. Such input is now ignored.
3644	Improved handling of processes that die.
3783	Added items to be exported to Performance Gallery Gold.
3784	Improved handling of comments and syntax errors in configuration files.
3785	Improved handling of unrecognized process scheduler types.
3788	Improved handling of cases where files of unknown type appear in a Process File Usage list.
3789	The install script now works properly in NIS+ environments.
3806	Fixed: filesystems missing from File System Summary screens.
3807	Fixed: segmentation fault when entering User or Terminal Summary screens.
3808	Fixed: infinite loop check prevents LPSMID (and SOS or SOSLOGD) from running.
3809	Fixed: terminals missing from Terminal Summary screen.

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Product History

Version B.02f

Service Request #	Description of Product Change
3624	A fault in the process locking mechanism sometimes prevented LPSMID or SOSLOGD from starting—usually just after a reboot. The problem has been corrected.
3647	SL files incorrectly contained identical performance numbers for different disks. This has been corrected.

Version B.02e

Service Request #	Description of Product Change
3605	Fixed problem of which SOS would exit if the host name was more than 13 characters in length.

Version B.02d

Service Request #	Description of Product Change
3616	Previously, SOSLOGD -o command line switch showed the identical value for both run time and cycle time. That problem is fixed in version B.02d.
3629	SOS and SOSLOGD calculated the CPU_TIME data item too small by a factor of 10. That problem is fixed.

Version B.02c

Service Request #	Description of Product Change
3605	Added trace statements to provide more information if LPSMID reports an error when a process dies while LPSMID is collecting information about it.

Version B.02b

Service Request #	Description of Product Change
3609	Established an environment variable setting for the maximum number of file systems to be logged. Also improved a related error message in SOSLOGD.

Version B.02a

Service Request #	Description of Product Change
3607	Fixed a problem in which SOSLOGX would issue a misleading message if there were no SL files. The message is now improved, and the SOSLOGX program will continue to terminate, as before, in instances when no SL files are found.

Version B.01z

Service Request #	Description of Product Change
3597	Corrected a problem of the 64-bit version describing itself as 32-bit in lps.log.
3600	Fixed a problem in which soslogd exits after issuing the message "reset_a_nfs failed!" to the lps.log.

Service Request #	Description of Product Change
3602	Fixed a problem in which sos exits after issuing the message "retrieve proc info from kernel" to lps.log.

Version B.01t

Service Request #	Description of Product Change
3562	Fixed the format of time/date exports in SOSLOGX to match the current configuration specs.
3564	Ported more items for Advice, Pulse Points, and Key Indicators of Performance.

Version B.01p

Service Request #	Description of Product Change
3542	Modified SOSLOGX to not ask for certain types of user input in batch mode.
3544	Modified the program to use MB (megabytes) as the default unit of measure for memory used numbers in the Memory Summary screen.

Version B.01o

Service Request #	Description of Product Change
3553	Enhanced the advice configuration by allowing more control over when messages are sent. <i>For more information, refer to the /opt/lps/newcfg/cfg/advice file.</i>

Version B.01l

Service Request #	Description of Product Change
3538	Corrected a problem that occurred when a floppy controller exists, but not the actual drive.

Version B.01i

Service Request #	Description of Product Change
3555	Updated the revision string to show Solaris 2.7.

Version B.01g

Service Request #	Description of Product Change
3519	Corrected an error that occurred when viewing a log file with over 23 processes logged and the process display option enabled. Message: "Unexpected error at file: cursedwindow.c line: 832. Contact your support representative. doNewLine failed!".

Version B.01d

Service Request #	Description of Product Change
3501	Fixed the control keys that enable scrolling to view the Process list.

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Product History

Version B.01c

Service Request #	Description of Product Change
3480	Fixed a memory leak.
3491	Exit fails with error, "Failed to open /proc/281/ctl:Error 0!"

Version B.01b

Service Request #	Description of Product Change
3451	The nolock configuration variable, when set, will unlock the shared memory segment. Formerly, it unlocked only the LPSMID data, stack, and text regions.
3452	The nolock variable, n, now prevents locking.
3461	Corrected a possible memory error on the NFS Summary screen.
3462	Removed "RESP" from the Workload Detail portion of the online help.
3468	Corrected the action for a configuration setting of "nolock=n" - LPSMID memory regions are locked in memory.

Version B.01a

Service Request #	Description of Product Change
427	Adjusted the alignment of several data fields displayed in the Process Detail screen.
3254	Corrected the online help definition for process "rtime" (run time) to show that it is reported in seconds.
3287	Corrected the problem that caused a "Failed to allocate shm deadps..." error message to appear during startup.
3325	Fixed the display of dead processes in the Process Summary screen. Previously, SOS would occasionally lose track of dead processes.
3346	Corrected a doNewLine () error that, when encountered, caused the SOS program to exit unexpectedly.
3347	Corrected the display of CPU% on the CPU Summary screen. Formerly, it would occasionally display CPU% values greater than 100 during the first interval.
3377	Corrected the value of the NFS Bad Calls variable displayed in the NFS Summary screen. Previously, it was always set at 0 (zero).
3378	Corrected a possible memory error ("core dump") that would occur during the retrieval of swap information.
3402	Corrected the value of RPC Calls in the NFS Summary screen.
3404	Aligned the cumulative statistics provided in the Disk Summary screen.
3405	Removed the obsolete "RESP" function key from the Workload Detail screen.
3406	Removed the percent sign (%) from the disk service time data that is provided in the KIP (Key Indicators of Performance) line.
3416	Set the user name as "root" when the UID (user ID) is 0 (zero), even when multiple users have 0 as their UID.

Service Request #	Description of Product Change
3432	Added more system information (such as the host name) to the lps.log file.
3439	Corrected the Boolean flags set by the "Y" and "N" characters in the .lpsmidrc file.
3441	Corrected a problem that caused lengthy process names in the Process Detail screen to display incorrectly.
3423	Corrected the online help definition of minfree.

Version B.00d

Service Request #	Description of Product Change
3396	Eliminated duplicate devices from data sent to Performance Gallery Gold.
3398	Added a warning to be generated when the log block size becomes too large, which can occur when an excessive number of workloads are assigned.

Version B.00b

Service Request #	Description of Product Change
3311	Made the installation script backwards compatible with previous versions.

Version B.00a

Service Request #	Description of Product Change
3315	Improved the error message generated for an LPSMID failure.
3318	Fixed corrupted MISC logged data.
3321	Corrected a possible thread failure to exit.
3326	Improved response time values reported for the Forecast Capacity Planner product.