NAME

lard − daemon that logs performance data to a sqlite database

SYNOPSIS

lard -f *database* -c *configfile*

DESCRIPTION

The **lard** daemon logs performance data to a sqlite (>=3.7) *database* (file), which is created if it does not exist. **lard** does (on typical GNU/Linux configurations) not depend on elevated privileges to read performance data from sources like /proc and /sys.

On packaging-supported systems, lard is installed as a runable service (say /etc/init.d/lard) that operates on the /etc/lard/lard.conf, and stores the database in /var/lib/lard/lard.db. A user leanux is created to run the daemon, users requiring access to the lard database need to be in the leanux group (or be root).

Note that lard stores command arguments of top process, which may contain sensitive data.

The daemon operates according to a number of options (NAME=VALUE pairs) as specified in the *configfile*:

DATABASE_PAGE_SIZE
@LARD_CONF_DATABASE_PAGE_SIZE_DESCR@.   @LARD_CONF_DATA-BASE_PAGE_SIZE_COMMENT@.   Default   is   DATA-BASE_PAGE_SIZE=@LARD_CONF_DATABASE_PAGE_SIZE_DEFAULT@.

SQLITE_SOFT_HEAPLIMIT
@LARD_CONF_SQLITE_SOFT_HEAPLIMIT_DESCR@.
@LARD_CONF_SQLITE_SOFT_HEAPLIMIT_COMMENT@.   Default   is
SQLITE_SOFT_HEAPLIMIT=@LARD_CONF_SQLITE_SOFT_HEAPLIMIT_DEFAULT@.

LOG_LEVEL
@LARD_CONF_LOG_LEVEL_DESCR@.   @LARD_CONF_LOG_LEVEL_COMMENT@.
Default is LOG_LEVEL=@LARD_CONF_LOG_LEVEL_DEFAULT@.

MAINTENANCE_INTERVAL
@LARD_CONF_MAINTENANCE_INTERVAL_DESCR@.   @LARD_CONF_MAINTE-NANCE_INTERVAL_COMMENT@.   Default   is   MAINTENANCE_INTER-VAL=@LARD_CONF_MAINTENANCE_INTERVAL_DEFAULT@.

MAX_DB_SIZE
@LARD_CONF_MAX_DB_SIZE_DESCR@.   @LARD_CONF_MAX_DB_SIZE_COM-MENT@. Default is MAX_DB_SIZE=@LARD_CONF_MAX_DB_SIZE_DEFAULT@.

MAX_DISKS
@LARD_CONF_MAX_DISKS_DESCR@.   @LARD_CONF_MAX_DISKS_COMMENT@.
Default is MAX_DISKS=@LARD_CONF_MAX_DISKS_DEFAULT@.

MAX_MOUNTS
@LARD_CONF_MAX_MOUNTS_DESCR@.   @LARD_CONF_MAX_MOUNTS_COM-MENT@. Default is MAX_MOUNTS=@LARD_CONF_MAX_MOUNTS_DEFAULT@.

MAX_PROCESSES
  @LARD_CONF_MAX_PROCESSES_DESCR@. @LARD_CONF_MAX_PRO-CESSES_COMMENT@. Default is MAX_PROCESSES=@LARD_CONF_MAX_PRO-CESSES_DEFAULT@.

RETAIN_DAYS
  @LARD_CONF_RETAIN_DAYS_DESCR@. @LARD_CONF_RETAIN_DAYS_COM-MENT@. Default is RETAIN_DAYS=@LARD_CONF_RETAIN_DAYS_DEFAULT@.

SNAPSHOT_CHECKPOINT
  @LARD_CONF_SNAPSHOT_CHECKPOINT_DESCR@. @LARD_CONF_SNAP-SHOT_CHECKPOINT_COMMENT@. Default is SNAPSHOT_CHECK-POINT=@LARD_CONF_SNAPSHOT_CHECKPOINT_DEFAULT@.

SNAPSHOT_INTERVAL
  @LARD_CONF_SNAPSHOT_INTERVAL_DESCR@. @LARD_CONF_SNAPSHOT_INTER-VAL_COMMENT@. Default is SNAPSHOT_INTERVAL=@LARD_CONF_SNAPSHOT_IN-TERVAL_DEFAULT@.

COMMAND_ARGS_IGNORE
  @LARD_CONF_COMMAND_ARGS_IGNORE_DESCR@. @LARD_CONF_COM-MAND_ARGS_IGNORE_COMMENT@. Default is COMMAND_ARGS_IG-NORE=@LARD_CONF_COMMAND_ARGS_IGNORE_DEFAULT@.

The **lmon** tool can be used to replay and visualize individual snapshots from a lard database.

The **lrep** tool produces HTML reports from a lard database.

The database schema, including table definitions and comments, can be displayed with the '.schema' or '.schema tablename' command in sqlite.

BUGS
  Report bugs, documentation errors and suggestions at @LEANUX_BUG_URL@.

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SEE ALSO
  lblk(1), lmon(1), lrep(1), lsys(1)