NAME
lsoflog – log the open file list with timestamp

SYNOPSIS
lsoflog *[logfile [pathlist [timeout]]]*

DESCRIPTION
lsoflog logs the open file list with timestamp. Basically the script puts the output of "date +%F %T" in front of each line for the output of "lsof -n -P -X -w -S42 +fg +x +D...".

Default pathlist is "+D/opt +D/srv". A proper pathlist keeps the logfile reasonably small. Non-existing directories cause lsoflog to fail. lsof consumes a noticeable amount of CPU cycles. It should only be activated when needed. Default timeout is 42 seconds.

EXAMPLES
To run lsoflog every 10 minutes, the crontab entry could look like this:
```
-02-57/10 * * * * root /usr/sbin/lsoflog /var/log/lsof.log "+D/db2/data"
```

To rotate and compress the log from time to time, the logrotate entry could look like this:
```
/var/log/lsof.log {
    compress
    dateext
    maxage 365
    rotate 99
    size +20M
    notifempty
    missingok
    copytruncate
}
```

To find all IO to /ora/data that was not done with O_DIRECT just do:
```
awk ’$11~/\/ora\/data/ && $8 !~/DIR/ {print $1,$2,$3,$8,$11}’ /var/log/lsof.log | sort -u
```

To see which processes have done ASYNC IO to /ora/data just do:
```
awk ’$11~/\/ora\/data/ && $8 ~/AIO/ {print $1,$2,$3,$8,$11}’ /var/log/lsof.log | sort -u
```

EXIT STATUS
0 Successful program execution.
>0 Usage, syntax or execution errors.

FILES
/usr/sbin/lsoflog
> the script itself.

/var/log/lsof.log
> the default logfile.

/etc/cron.d/ClusterTools2
> the cron entry.

/etc/logrotate.d/ClusterTools2
> the logrotate entry.

BUGS
Non-existing directories cause lsoflog to fail.
Feedback is welcome, please use the project page at
https://build.opensuse.org/package/show?package=ClusterTools2&project=home%3Afmherschel

SEE ALSO
lsof(1), **crontab**(5), **logrotate**(8), **open**(2), **fcntl**(2), **ClusterTools2**(7)

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