

Little Benchmark: HDD L^AT_EX2

Author: Łukasz Buśko

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2 Requirements

Operating system: Linux, Windows XP or newer
Library: libboost 1.40 , libcrypto++ 5.6.0-5

3 Installation

3.1 Linux

Open terminal:
\$ cd ../LittleBenchmark/HDD
\$./configure
\$ make && make test && make install && make clean

3.2 Windows

Windows port will be done latter.

4 Configuration

Configuration file is in "user home directory"/.littlebenchmark/hdd

Please Run binary with -M option to set max string and char size in order to avoid memory allocation error.

To get information what options can be specified run program with -h option.

5 Know issue

- Strange Log Output, example:

```
Min:1e+09s
Max:[Failed to measure: time difference to small]
Avg:-nans
```

Memory allocation failed or your hard drive for give data is immeasurable fast :-)

Before appalling any solution in Linux run terminal session `ctrl+alt+F1` and login with root privilege, in order to avoid any sort of problems! After applying solution check if you can login in other terminal session and unlock lock screen.

Before applying any solution on WinCrap pray and backup important data.

Linux Memory leak caused by bug in *pwd.h* library

```
#include <pwd.h> /*12 records lost*/
struct passwd *pw;
```

Solution: line 7-9 word “*compat*” have to be replaced with “*files*”

```
lukasz@lukasz-compal:~$ cat -n /etc/nsswitch.conf
 1 # /etc/nsswitch.conf
 2 #
 3 # Example configuration of GNU Name Service Switch functionality.
 4 # If you have the 'glibc-doc-reference' and 'info' packages installed, try:
 5 # 'info libc "Name Service Switch"' for information about this file.
 6
 7 passwd:          compat
 8 group:           compat
 9 shadow:          compat
10
11 hosts:           files mdns4_minimal [NOTFOUND=return] dns mdns4
12 networks:        files
13
14 protocols:       db files
15 services:        db files
16 ethers:          db files
17 rpc:             db files
18
19 netgroup:         nis
```

12 records in worst case scenario can take max 8192 bytes, libc-freeres won't do the job so please apply solution