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littlekernel / **lk**

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LK embedded kernel

| ⟲ **1,906** commits | ⑂ **20** branches | ◌ **0** releases | **34** contributors | ⚖ MIT |

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girtsf committed with **travisg** [lib/cbuf] [app/tests] fix off by one in lib/cbuf. add a test. ⋯		Latest commit 61d06e1 10 days ago
📁 app	[lib/cbuf] [app/tests] fix off by one in lib/cbuf. add a test.	7 days ago
📁 arch	[arch][arm] stackusage python3 compatibility	7 days ago
📁 dev	[dev/gpio_i2c] add optional pullups	a month ago
📁 external	Merge pull request #146 from littlekernel/pr/nrf52	5 months ago
📁 include	[spelling] signalling --> signaling (#162)	2 months ago
📁 kernel	[kernel] fix get top thread error if NUM_PRIORITIES < 32	a month ago
📁 lib	[lib/cbuf] [app/tests] fix off by one in lib/cbuf. add a test.	7 days ago
📁 make	[make] output .map file	7 days ago
📁 platform	[stm32] share power.c across stm32 platforms.	2 months ago

📁 project	[rpi3]64bit platform support	3 months ago
📁 scripts	[arch][x86] flatten x86-64 and x86 into a single tree of code	8 months ago
📁 target	[merge] Merge remote-tracking branch 'pr/rpi3'	3 months ago
📁 tools	[ndebug] Move NDebug from main LK tree to Coral tree.	5 months ago
📁 top	[style] mass reformat all the non external code to 4 space indents	9 months ago
📄 .gitignore	[qemu][cortex-m4] Support qemu-m4 target.	11 months ago
📄 .travis.yml	[travis-ci] add nucleo-f072rb project to the test builds	5 months ago
📄 LICENSE	[LICENSE] Happy New Year :)	2 years ago
📄 README.md	[readme] fix url	6 months ago
📄 engine.mk	[make] [lib/version] remove a misplaced .PHONY (#170)	a month ago
📄 lk_inc.mk.example	[make] add a example lk_inc.mk file	a year ago
📄 makefile	[make] don't call build engine multiple times.	a month ago

📖 **README.md**

LK

The LK embedded kernel. An SMP-aware kernel designed for small systems.

See https://github.com/littlekernel/lk for the latest version.

See https://github.com/littlekernel/lk/wiki for documentation.

Builds

`build` `passing`

To build and test for ARM on linux

1. install or build qemu. v2.4 and above is recommended.
2. install gcc for embedded arm (see note 1)
3. run scripts/do-qemuarm (from the lk directory)
4. you should see 'welcome to lk/MP'

This will get you a interactive prompt into LK which is running in qemu arm machine 'virt' emulation. type 'help' for commands.

note 1: for ubuntu: sudo apt-get install gcc-arm-none-eabi or fetch a prebuilt toolchain from http://newos.org/toolchains /arm-eabi-5.3.0-Linux-x86_64.tar.xz

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