

MutekH

General presentation

MutekH is a portable operating system developed at [?Lip6-soc](#).

MutekH is a set of libraries build on top of the Hexo exo-kernel. This exo-kernel defines the Hardware Abstraction Layer, providing both portability and support for heterogeneity.

Hexo has been ported on several platforms:

- MIPS processor based MPSoCs architectures modeled with SoCLib.
- PPC processor based MPSoC architectures modeled with SoCLib.
- ARM processor based MPSoC architectures modeled with SoCLib.
- Multi-processor x86 based PC platforms.
- Runs wrapped in a linux process on x86 and x86-64 platforms.

Currently available libraries are:

- Several devices drivers for PC and SoCLib platforms.
- Native Posix Threads implementation (libpthread).
- Standard C library implementation (libc).
- File systems support (libvfs) along with file system drivers like vfat.
- TCP/IP protocol stack (libnetwork).
- The famous [?lua](#) lightweight script language interpreter (liblua).
- A [?terminal user interface library](#) with history and completion (libtermui).

Other libraries are under development:

- Unix kernel API (libunix).

More Information

You can obtain more detailed information, and download the code [?here](#)