

# State of the FreeBSD Toolchain

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# The Story So Far

- GPLv3 (July 2007)
- Clang announced (July 2007)
- Clang self-hosted (February 2010)
- BSDToolchain summit (May 2010)
- LLVM/Clang import (June 2010)
- World (i386 & amd64) builds with Clang (September 2010)

# Coming Soon

- Full LLVM/Clang PPC64 support
- Clang with integrated assembler

# Things That Need More Hands

- General testing and bug reporting
- LLVM/Clang ARM support (testing and bug reports)
- LLVM/Clang MIPS support (testing, bug reports, codegen?)
- External toolchain support

# Things That Need a Driver

- libc++ port
- BSDL ELF linker
- BSDL Debugger

# Discussion

# Links

- <http://wiki.freebsd.org/BSDToolchain>
- <http://clang.llvm.org/>
- <http://libcxx.llvm.org/>
- <http://lldb.llvm.org/>
- <http://www.pathscale.com/docs/pathdb.html>