

20 years

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July 7, 2019



*Laboratoire Système Epita*

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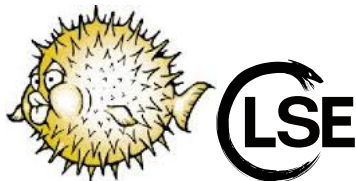
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## github mirror

Thanks to jasper@ and jcs@ for providing that conversion.

Roughly:

- My first commit is from '98
- 5500 commits in `src`
- 11000 commits in `ports`

# The best laid plans

- One commit per year
- Reached 2000: I already had 10 commits
- So I cherry-picked a few things instead



A2000. Mine had a 68040@25MHz. 12MB of memory

## OpenBSD 2.4 Multiplatform Ultra-Secure Operating System

<http://www.OpenBSD.org>

- 2-CD ROM
- Full release
- Ultra-secure
- Extensive cryptography
- Integrated XFree86 3.3.2p3

*Supported architectures:*

**alpha\***  
**amiga**  
**hp300**  
**i386, i486, i586\***  
**mac68k**  
**powerpc**  
**sparc\***

\*CD boots on these platforms  
See back for more details



OpenBSD

## My first commit

```
commit 89f058ab0599cbcc3e84684ab278ca5d9e1e718c
Author: espie <espie@openbsd.org>
Date:   Sun Mar 29 22:24:49 1998 +0000
```

```
    Updated to compile with recent AmigaOS Geek Gadgets toolchain,
    plus clean-up.
```



## different times

- a few years away from 64 bits
- no C99 yet, still K&R sometimes
- no global analysis
- a.out and COFF
- ... so nothing from that era compiles without changes

I was already interested in C++.

I ended up workin on gcc:

- from gcc 2.8.1 to egcs
- then gcc 2.95
- then gcc 3.x

```
commit 4e43c760ad4cd5f644ec700462679d05749498d8
```

```
Author: espie <espie@openbsd.org>
```

```
Date:   Fri Dec 24 23:51:23 2004 +0000
```

```
gcc 3.3.5
```

```
commit 95bbc989663e9add5a1c260464efa7a1b0b95a42
```

```
Author: espie <espie@openbsd.org>
```

```
Date:   Wed Jan 13 00:13:32 1999 +0000
```

```
Fix for security hole in MKTEMP_EACH_FILE.
```

```
Code borrowed from egcs-current [libiberty is now aware of mkstemp]
```

⇒ `mkstemp.diff`

of course things do break

```
commit b57e10c335683eb72fd17c8f92013b2c5bbdac91
```

```
Author: espie <espie@openbsd.org>
```

```
Date: Tue Jun 15 10:28:49 1999 +0000
```

```
Fix thoroughly broken PIC code.
```

```
This removes arbitrary restrictions on label lengths for PIC code.
```

⇒ `mangled.diff`

```
commit 8b65874a69382a5552124a8a146bb226be32a36f
```

```
Author: espie <espie@openbsd.org>
```

```
Date:   Mon May 24 23:22:01 1999 +0000
```

This patch lets sparc ld handle pic/PIC relocations mix, by simply forcing everything to fit into pic mode.

More extensive changes (like tagging relocs with pic/PIC, sorting, and putting pic nearest the beginning of the GOT) would be needed for full handling pic relocs with a sizeable number of PIC relocs.

⇒ [PIC.diff](#)

GPL v3 and the stop to gcc and binutils  
That's why we switched to clang/lld

```
commit 9a5e4aa642dab4767435a3ed1b5d9a6220bdb290
```

```
Author: espie <espie@openbsd.org>
```

```
Date: Tue May 25 20:44:23 1999 +0000
```

```
Stub out src/ ports makefile fragments, so that everything is under  
ports/ (simpler to keep synchronized).
```

⇒ 1998ports.mk

```
commit 2d3d95499a882a0ac83675f992552c366238c3e2
```

```
Author: espie <espie@openbsd.org>
```

```
Date: Tue Jul 11 13:00:48 2000 +0000
```

```
Explains how FLAVORS and MULTI_PACKAGES work
```

⇒ `oldFLAVORMakefile`



```
commit 86800b6804a1bd0c39f1a5c704bbf111ef1553d0
Author: espie <espie@openbsd.org>
Date:   Mon Apr 2 10:11:16 2001 +0000
```

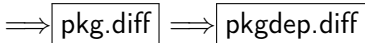
```
    pkg command: perl frontend to pkg_{add,info,delete,create}, and hooks
    to handle new dependencies.
```

```
commit eb83e585af9a04a6190013fcf340a016419b507c
Author: espie <espie@openbsd.org>
Date:   Mon Apr 2 10:13:38 2001 +0000
```

```
    Handle for newdepend.
    - recognize the keyword,
    - pass all packing lists to 'pkg dependencies solve' for rewriting.
```

```
    pkg dependencies solve is a no-op in the absence of newdepends.
```

```
    With newdepends, it rewrites @newdepends -> @pkgdep on the fly, depending
    on what's actually installed on the machine.
```



```
commit 61d822e8d59bb575d149aa2b9bf09574e6df2d74
Author: espie <espie@openbsd.org>
Date:   Wed Feb 24 11:33:31 2010 +0000
```

work-in-progress: new distributed ports builder.

will replace old dpb once we're satisfied it works.

some features:

- no more waiting, starts building right away, the dependencies discovery process is just another job,
- monitor display that makes it easy to know when jobs get stuck, or machines get down.
- loads of logs,
- locks that stay around in case of error, and that you can remove when the error has been fixed (dpb picks it up),
- smart choice of which package to build,
- can take into account previous build times,
- builds on machines of differing speed, offloading "lighter" jobs to slower boxes.

(again, ports is still locked for most people)

⇒ dpb.diff

```
commit 1a15cbca7d402284d9eb1fd51f2e5f3e34c6a93a
Author: espie <espie@openbsd.org>
Date:   Mon Sep 6 13:29:32 1999 +0000
```

Remove STRSPACE limitations.

A bit wasteful, but not too intrusive.

Also remove pushback buffer limitations, as this would be mostly useless otherwise.

Incidentally, pushback buffer overflow detection in pbstr was wrong.

⇒ [m4.diff](#)

```
commit 01e71e6970af051f87d2a8ca2d534eea4d4b8aea
Author: espie <espie@openbsd.org>
Date: Tue Sep 14 08:23:09 1999 +0000

    mktemp -> mkstemp
```

⇒ [m4-2.diff](#)

```
commit 7020b4321707d78c1a85bf7ddb61662cb7bd0d93
```

```
Author: espie <espie@openbsd.org>
```

```
Date: Sun Oct 11 17:39:50 2015 +0000
```

```
reorg code to have an array with all the files used apparent.  
okay millert@
```



```
commit 276deb092d77bed16656a95552e282b4b53c8105
```

```
Author: espie <espie@openbsd.org>
```

```
Date:   Wed May 29 11:42:34 2019 +0000
```

```
    openbsd-backgrounds: background pictures taken by OpenBSD devs,  
    CC-BY
```

```
    okay solene@
```

⇒ pictures

## Back in '98

A long long time ago  
I can still remember how  
That commit used to make me smile  
And I knew if I had my chance  
That I could make those programs dance  
And maybe they'd be happy for a while

Bye, bye gcc without Pie  
Drove my clang to the metal but the metal was dry  
And them good ole boys were drinking whiskey and rye  
Debuggin' this'll be the day that I die  
This'll be the day that I die