Too Many Ports

[adult swim]

BeGeistert 029

Francois Revol
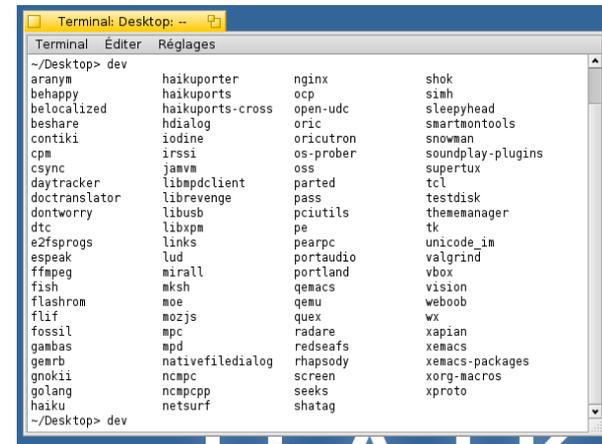
10 years of porting to BeOS

- Back in the days
  - Tarballs, CVS
    - SVN if you're lucky
      - Not so much as it was dog slow
  - we made patches the hard way
- Each project needs its own stuff
  - SCM
  - Shell variables (paths to dependencies)
  - Build procedure

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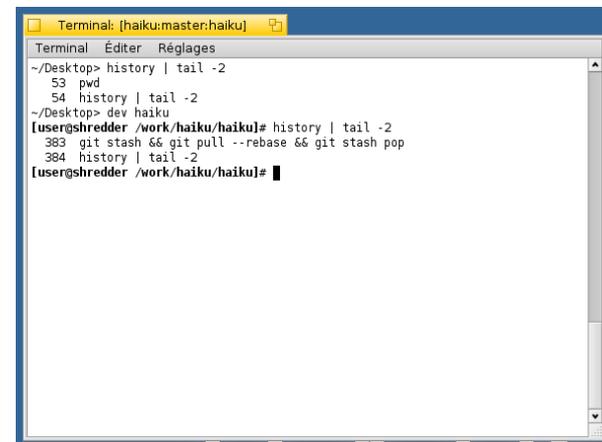BeGeistert 029

10+ years of porting to Haiku

- Started as rough as on BeOS
- Then came `haikuporter`
- And Package Management
- Still, haikuporter slow when working on a port
- Easier to fix Haiku than BeOS!

Tools to handle all this mess

- `dev-perso` shell script
  - dev command
    - Project completion
    - local .profile and .bash_history
    - Adds update action as last command
  - TODO Handle setarch
  - TODO Port it to ZSH?

Tools to handle all this mess

- [XQ]Emacs + org-mode
    - TODO finish the XEmacs port
    - TODO integrate it with dev-perso?

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MHPG: My Huge Project List

- And that's only Haiku-related ones 😁

- Project status
  - ○ Just started
  - ◐ Mostly compiles (or used to compile)
  - ◑ Starts but…
  - ◖ Works mostly
  - ● What Else?™

- HaikuPorts status
  - ◇ Patch in
  - ◈ Recipe untested
  - ◆ Works Here™

- Upstream
  - △ Nothing sent
  - ◭ On its way
  - ▲ All in

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The attic

- Projects moved out of $DEVROOT (and command line completion)

- Either finished or completely dropped

bepo ●

- Scripts I wrote to generate initial Haiku *Bépo* keymap from the Linux keymap file

- Adrien added a lot more keys

- Bépo keymap now in git and working

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bzflag ●◆▲ ◐◆△

- 3D tank game ported to BeOS

- Used to work in ZETA (but slow in MESA)

- Seems Adrien took over but status is undetermined

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caya ●

- IM Client

- Did I even touch it?

- Looks like the only patch I ever did was to try to build it on ZETA…

cfe

- Common Firmware Environment
  - Used on the Amiga X-1000
  - Added support in haiku_loader until I figured out they loaded an OF image to boot Linux 😑

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cyassl ◐◆▲

- Lightweight SSL lib

- Did some fixing

- Still needs love on newer versions

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darcs ○ △

- Yet another SCM

- Not sure I ever touched it

dmidecode ●◆▲

- Decodes BIOS DMI tables

- Build fixes

- Default mem device to `/dev/misc/mem`

- Should work fine

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dnscrypt ○ △

- Some tunneling thing

- Not touched at all

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kbuild ● ▲

- Build tool for VirtualBox

- No recipe yet?

- (Bins are in VBox SVN)

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nvda ○ △

- Screen reader for win32 (mostly python)

- Probably better to port Orca (Gnome's screen reader) as the GTK interface is better isolated from the core

pbzip2 ○ △

- Parallel BZip2

- Didn't do much; Anyone wants to look at it?

srm ●◆▲

- Secure RM

- Ported to Haiku

- Even the tests work \o/

  - But they need 5GB of disk space ☺

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bcc

- Bruce Evans C Compiler

- Used to be required by VirtualBox

- I don't even remember what I did on that
  - But it's not needed anymore anyway

curl, cvs, gperf… ???

- Hmm, whatever

"Current" projects

- At least I make sure they compile from time to time, well for most of them

- But it seems I should really clean up this mess

`aranym` ●◆▲

- Atari Running on Any Machine

- 68040 Atari-compatible virtual machine

- Should work

- TODO Recipe should be updated to 1.0.2

  - Tried today but they broke it again ☹

beclan

- Some stuff from a group of developers
  - Antique patches
- Should go to attic

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behappy ◗◆

- Native documentation browser

  - Now uses NetSurf as replicant

    - But NetSurf replicant is quite broken

  - Documentation parsers must be udpated

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beshare ●◆△

- Native chat & file sharing

- Fixed writable paths

  - Looks like someone did it before I upstreamed ☹

    - But differently

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cclive ◑ △

- C rewrite of clive (youtube downloader)
- Deprecated by youtube-dl & weboob

`contiki` ◑ ◭

- FLOSS OS for C64 & the Internet of Things
- ~~Ported~~ wrote the ncurses platform

cpm ○ △

- Console Password Manager

- Usual ./configure stuff (libm test…)

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csync ○ △

- File synchronization tool

- Part of the Owncloud client

- Just git cloned it yet

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dontworry ◔

- Autocompletion add-on for BeIDE

- Started porting to Pe

- Should probably be rewritten anyway

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dtc ●◆▲

- Device Tree Compiler

- Generates DT blobs from DTS files

- Used by our ARM & PPC port (U-Boot)

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e2fsprogs ◔ △

- Ext2 FS tools

- I actually only needed libuuid

    - Now a separate project

emile ○ △

- Bootloader for Linux on Mac68k

- Just looked at it when starting the 68k port

espeak ◑◆△

- Speech synthesis

- Works offline, not live yet

ffmpeg/libav ●◆△

- Video converter and codec library

- Used by our MediaKit

- I still have 3 of 4 checkouts of this around

fish ◐◆△

- Friendly Interactive Shell

- Starts but has some bugs

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flashrom ◑ △

- BIOS flashing utility

- Needs specific PCI I/O code to work on Haiku

flif ○ △

- Free Lossless Image Format

- Just looked at it

- Just a demo anyway

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fossil ●◆▲

- SCM used by Tcl/Tk

- Patched upstreamed

- Works fine for checking out tcl & tk 😛

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gambas ◕ △

- Graphical development environment based on a BASIC interpreter

- Was it a dependency of another project or did I just do it for fun???

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gemrb ●◆△

- Game Engine Made with preRendered Background

- Ugh, what is this doing here??

  – Oh right, checked the patches for GCI �

gnokii ◕ △

- Synchronization conduit for old Nokia phones
- Superseded by the Gammu/Wammu fork

gobe

- My own attempt at reverse-engineering the Gobe format

- Didn't get very far

golang ○ △

- Google's Go language, old repository

- Others took care of it, thanks! 😵

gophernicus ● △

- Gopher server

- Because it's funny!

- Actually, wanted to test my gopher-to-OpenStreetMap gateway 😁

grub ○ △

- GRand Unified Bootloader

- Just to look at MultiBoot headers

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haiku ◗ ◮

- I actually still have some svn clone around 🫨

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haikuporter ●◆▲

- What, you no know what that is???

haikuports{-cross} ● ⚠

- Gee, some stashed stuff there… 😐

hdialog ●◆▲

- GCI work

- Didn't find anything to patch there 😇

ibm_ctx_switch_article
● △

- Some context-switch and pipe speed benchmarks from an old IBM article online

    – Article disappeared it seems

- Linux was like 10 times faster than BeOS back then…

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input_methods ◔ ◭

- Some funky ideas like T9 or pen input methods

- Some of that is in git HEAD now

  – Unfinished

    - CGI task? 😎

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`iodine` ◔ △

- DNS tunnel

irssi ●◆△

- CLI IRC client

- Had to clean up their configure mess before they'd accept patches for my "non-POSIX obscure OS"

  - Yet they still support HP/UX ☹

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jamvm ●◆△

- Java Virtual Machine

lemon ◔ △

- Parser generator

- Used to be used by NetSurf

libmpdclient,mpd ●◆▲

- Music Player Daemon

- Now with native audio output

Music Player Daemon ✕

▶ **Now Playing:**
Nectarine Demoscene Radio •
Cairbre, Unreal Voodoo - Obsoleet
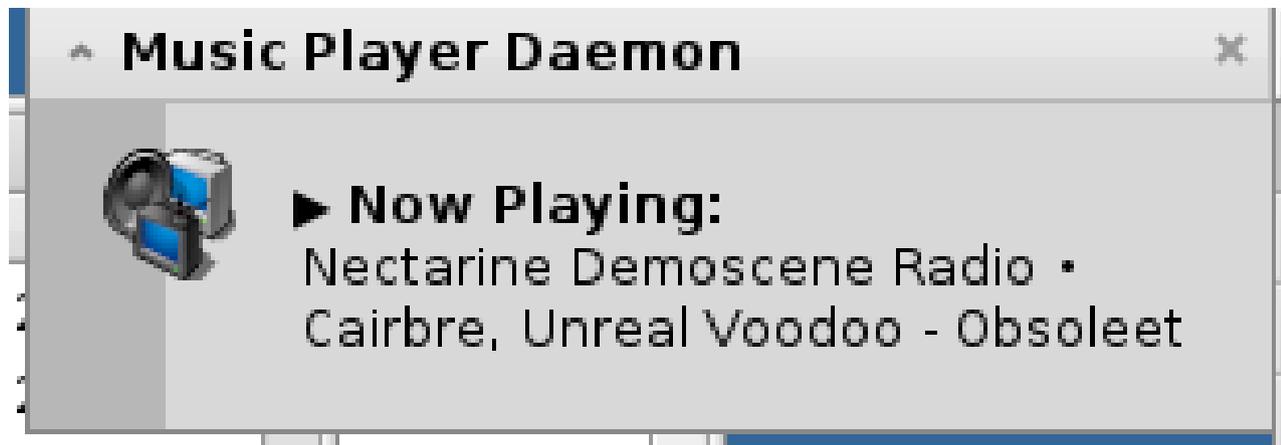
`mpc,ncmpc{pp}` ●◆▲

- MPD clients

librevenge ○ △

- Base library for writing document import filters

- Wanted to see if it could help REing Gobe format

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libusb ●◆▲

- Yeah, someone finally made a working port \o/

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libxpm ◔ △

- XPM bitmap format handling

- Dependency for XEmacs

- Depends on whole of X11

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links ●◆△

- Port of 2.8 with "GUI"

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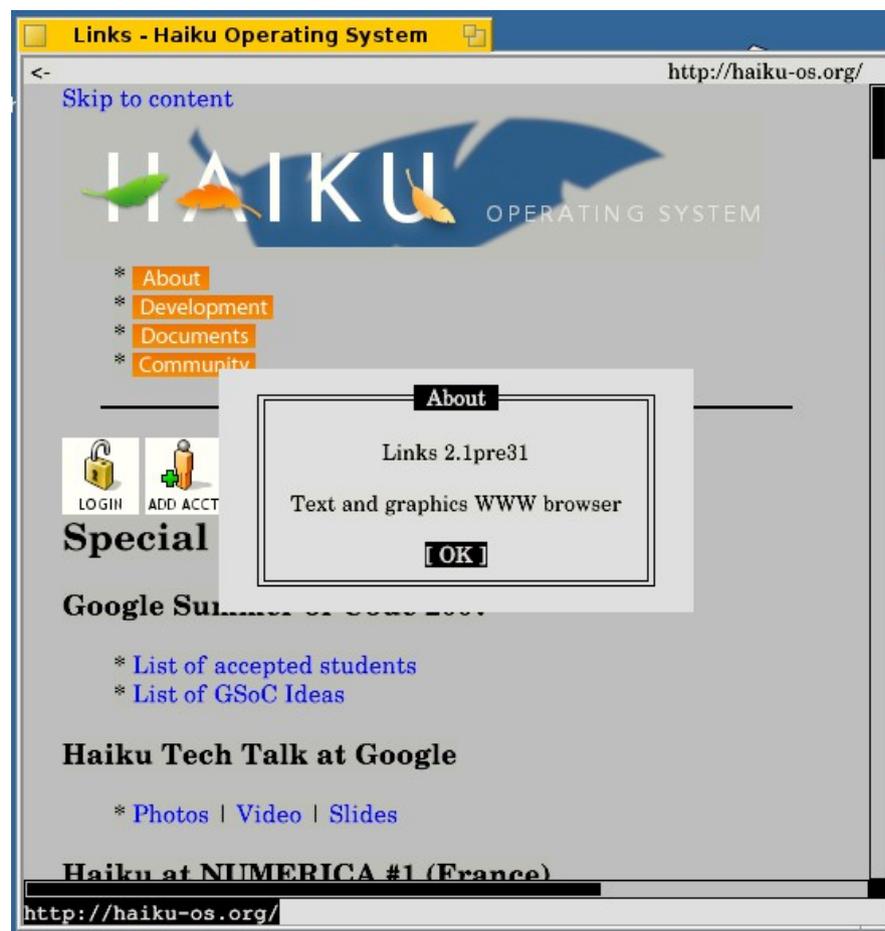
lshw ○ △

- Hardware inspection tool

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lud, open-udc ●◆▲

- Open Universal Dividende Currency

- Runs but untested

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miniupnp ○ △

- Minimal UPnP stack

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mirall ○ △

- Part of Owncloud client

moe ●◆▲
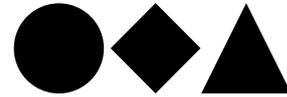
- Good old Moe mascot

- Shame git doesn't know about attributes

- But it works

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mozjs ○ △

- Why do I have this around?

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nativefiledialog ● ▲

- GCI work

- Misses a recipe?

netsurf ◖◆▲

- Web browser

- Used by BeHappy

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nginx ◑◆△

- Web server

- Now runs, needs testing

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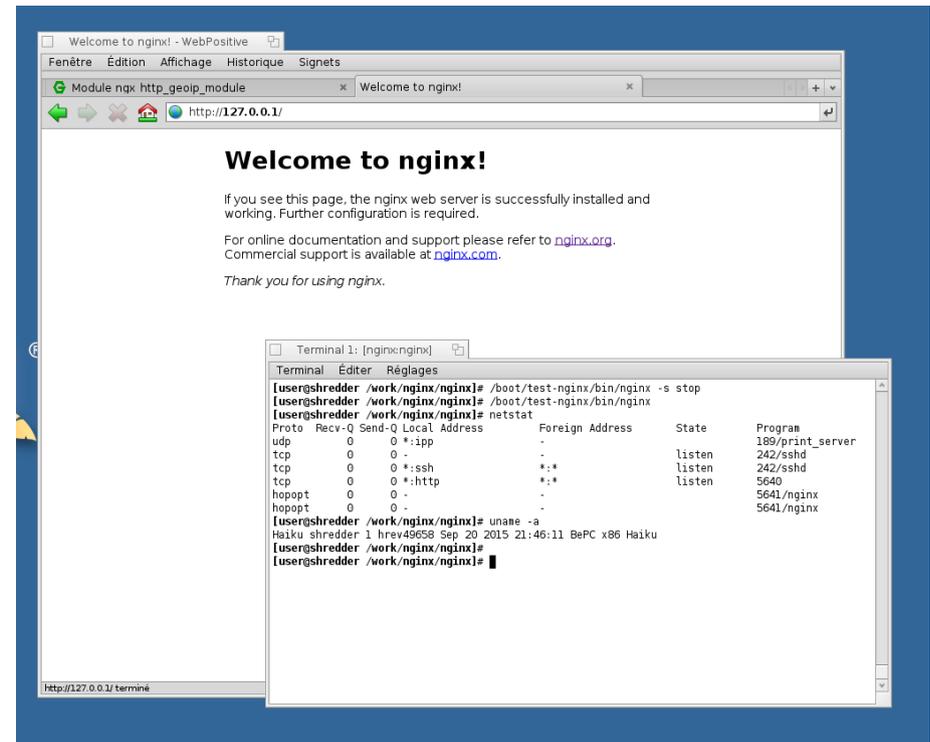
ocp ●◆▲
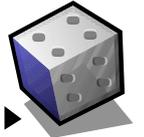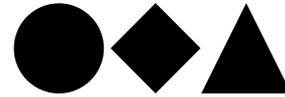
- OpenCubic Player

- Full port using SDL

- Designed an HVIF icon 😎

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oric ● ▲

- SVN repo with demo sources & SDK

- Patched the SDK to run on Linux and probably Haiku

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oricutron ●◆▲

- ORIC emulator

- Uses SDL + native dialogs

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`os-prober` ● ◭

- Made patches to support detection of Haiku properly, including Package-Management

- Debian bug #732696

  – Just needs testing, anyone?

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OSS ●◆▲
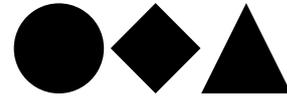
- Works quite well

- Except for some annoying bugs
    - KDL on shutdown
    - Audio stops after 6 hours!?

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parted ◔ △

- Already had a BeOS backend

- Pending patch to use it on Haiku

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pass ◕ △

- CLI password store

pciutils ●◆▲

- Flashrom uses its PCI config library

þe ●◆▲

- Always need a Pe clone around

pearpc ● ▲

- Old PPC Mac emulator

portaudio ●◆△

- Oh, I happen to have some patches for a native audio output lying around !!

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portland ◑ △

- XDG (FreeDesktop) utils (xdg-open…)
  - Mostly shell scripts
- I think they moved somewhere else

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qemacs ●◆▲

- Very small editor with Emacs bindings

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qemu ●◆△

quex 〇 △

- Some dependency for Owncloud client IIRC

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radare ◕ △

- Reverse Engineering toolkit

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re2c ● △

- Regexp compiler

- Used to be used by NetSurf

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rhapsody ●◆△

- CLI IRC client

rtmpdump ●◆△

- Dump rtmp:// streams

sane ◕ △

- Got this old CVS checkout here

- Anyone happens to know where the are hosted now?

screen ◑◆△

- Terminal multiplexer

- Starts but then screws up

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sdl ●◆△

- Started adding support for reading data from resources

seeks ◑ ◭

- P2P search engine
- Deprecated in favor of Searx

shatag ○ △

- Tool to add SHA-256 sums as attributes to find file duplicates

shok ○ △

- Some interactive shell part of something else

- Just cloned the repo

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simh ●◆▲

- Antique (PDP11 & friends) emulator

- Ported + recipe

sleepyhead ◐ △

- CPAP machine data visualization tool
  - (Sleep apnea treatment)
- Uses Qt5
- Just got the splash screen last week \o/
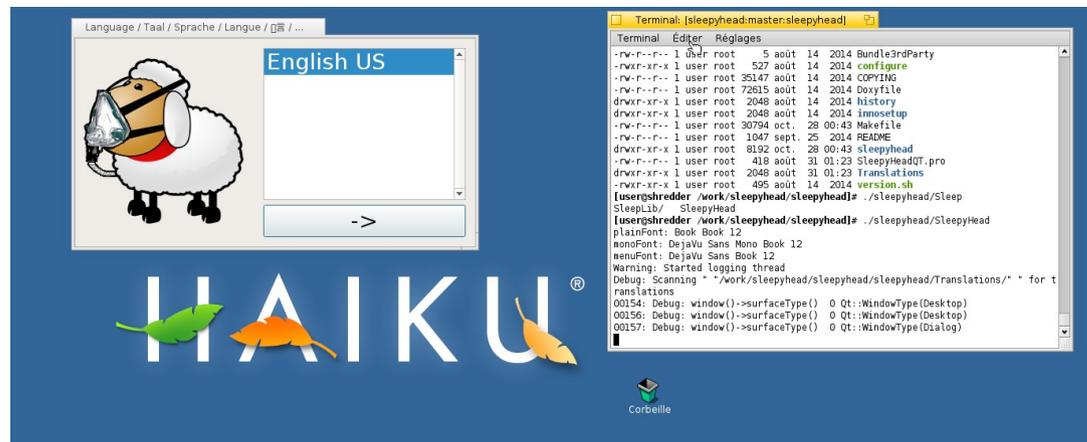
smartmontools ○ △

- Mostly untouched

snowman ○ △

- Native code to C/C++ decompiler

- Untouched

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soundplay-plugins ● ▲

- Should make a recipe for those (and for SoundPlay)

sphinx ◑ ▲

- CMU Sphinx is a speech recognition engine

- Old C-based version

- Works offline

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sumit ●◆▲

- I sent a patch long ago (Sylk column layout)

supertux ●◆△

- Updated patch & recipe

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swfdec ○ △

- Some Flash decoder (like Gnash)

- I don't really care about Flash anyway

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synergy ●◆▲

- I'm happy someone ported it first!

tcl ◑◆△

- Tcl language interpreter
- Edited locally + patch in HaikuPorts…

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tk ○ △

- GUI toolkit for Tcl

- Might compile with X11

- Just started native port long ago

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testdisk ◑◆▲

- Disk recovery tool

- Runs but not really tested yet

thememanager ●◆▲

- Native Theme Manager application by me

- Pending recipe update
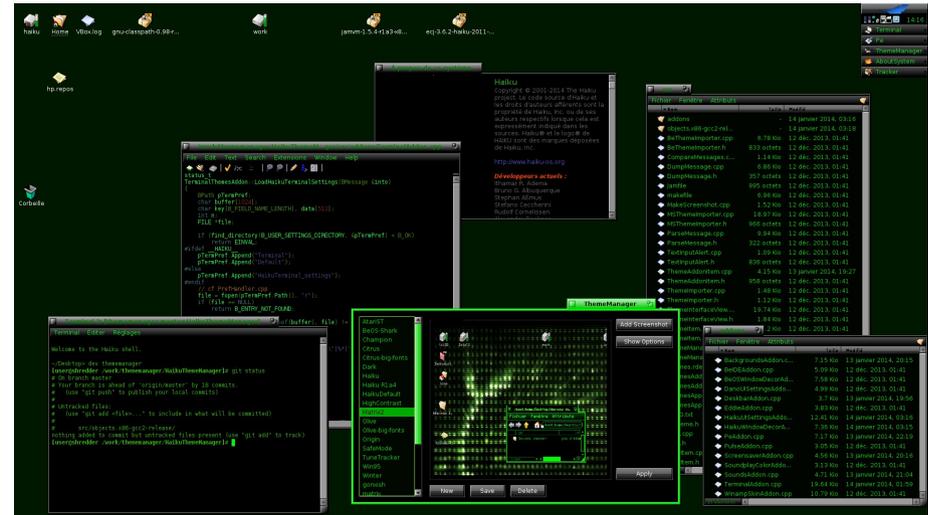
transmission ○ △

- We already have a recipe for it

twin ○ △

- Text UI window manager

ucc ◑ △

- UnderC C++ interpreter

- Very old port

unicode_im ●

- GCI work from puckipedia

- Already in git HEAD

valgrind ◔ △

- A lot compiles now, but we lack ptrace()

vbox ◗◆△

- Wrote initial Guest Additions port and some more

- Much more done on GSOC 2011 by scgtrp

- Some GA are missing or buggy

  - KDL on SMP (wrong locking)

vibrant ○ △

- Demo game written in D

- Released at Alchimie in 2009

- Requires Digital Mars D compiler

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vision ●◆▲

- Started adding support for irc:// URI scheme

- Upstreamed but unfinished

vncviewer ◑ △

- My own antique port of the VNC client…

weboob ◑ ◭

- Web outside of browsers
    - CLI/GUI client for the web
    - Videos, bank accounts, forum posts…
- Runs locally, lacks a recipe
- Many modules work
- Others missing python packages

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wget ○ △

- IIRC, I wanted to…

  - TODO add support the saving the download url as an attribute

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wipe ○ △

- Like srm, securely remove files
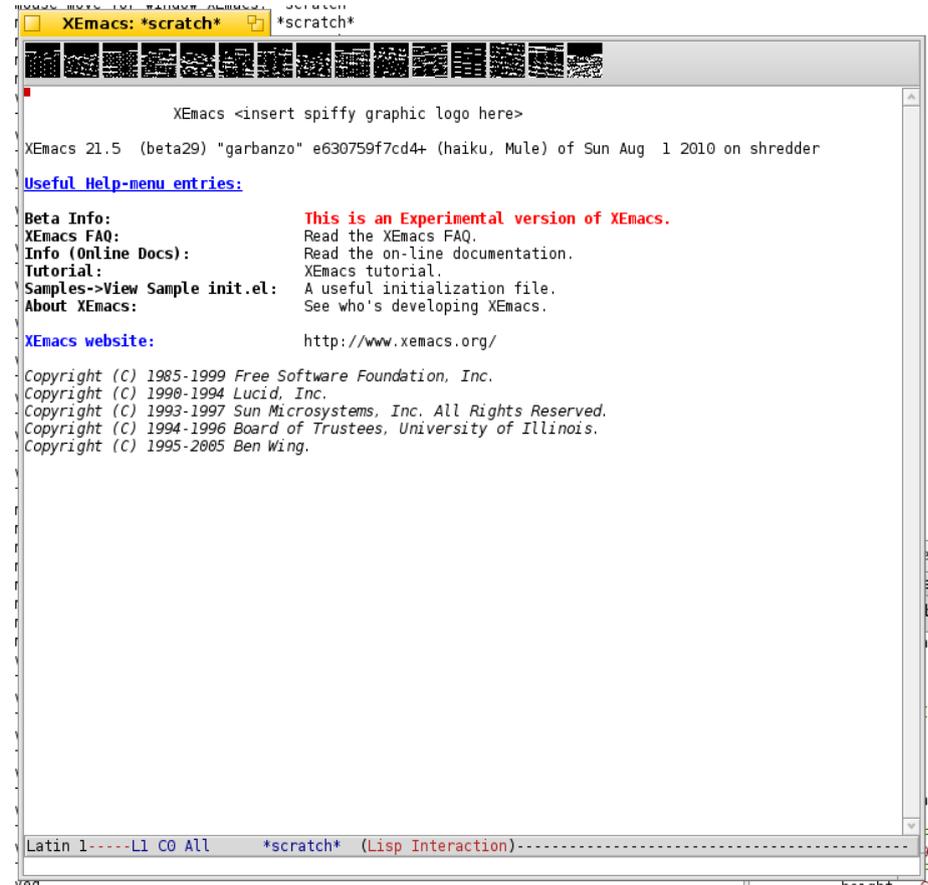- Not touched yet

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wx ○ △

- wxWidgets

- Just scratched the surface

xapian ○ △

- Was it needed for a port?

xemacs ◐ ◭

- Variant of Emacs
  - aka Escape Meta Alt Control Shift
- Worked quite well years ago
- Waiting for libXpm to get the toolbar buttons back
- Not upstreamed
  - But got a public branch somewhere

```
mouse move for window xemacs. scratch
  XEmacs: *scratch*    *scratch*


              XEmacs <insert spiffy graphic logo here>

XEmacs 21.5  (beta29) "garbanzo" e630759f7cd4+ (haiku, Mule) of Sun Aug  1 2010 on shredder

Useful Help-menu entries:

Beta Info:                      This is an Experimental version of XEmacs.
XEmacs FAQ:                     Read the XEmacs FAQ.
Info (Online Docs):            Read the on-line documentation.
Tutorial:                      XEmacs tutorial.
Samples->View Sample init.el:  A useful initialization file.
About XEmacs:                  See who's developing XEmacs.

XEmacs website:                http://www.xemacs.org/

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Copyright (C) 1990-1994 Lucid, Inc.
Copyright (C) 1993-1997 Sun Microsystems, Inc. All Rights Reserved.
Copyright (C) 1994-1996 Board of Trustees, University of Illinois.
Copyright (C) 1995-2005 Ben Wing.




Latin 1-----L1 CO All      *scratch*   (Lisp Interaction)------------------------
```

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xemacs-packages ○ △

- The text editor and everything running on the Emacs OS ☺

- Mostly lisp, but some OS-dependent code

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`xorg-macros, xproto` ●◆△

- Were needed by libXpm, which is needed by XEmacs…

- Xorg-macros renamed to util-macros

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zeta ●◆▲

- Some obscure operating system I wrote stuff for a long long time ago in a galaxy far away…

zsh ●◆▲

- Did the initial port to BeOS

- Should probably try to use it someday 😁

- "Oh My Zsh" seems to be quite nice…

Now you're happy there are only 26 letters in the latin alphabet.

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Wanna Help? Questions?

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[adult swim]

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