EdgeBSD: Status report
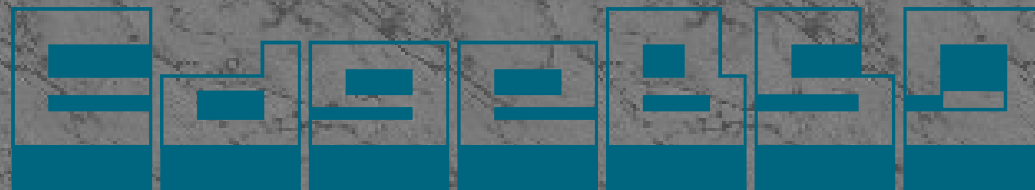
The past, present and future

FOSDEM
January 30th 2016
Brussels, Belgium, EU

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Look at the past

- Project announced in August 2013

- Git clone, fetch, merge, commit, cherry-pick, push, rebase…

- Some problems solved, some remaining

- Had a release, binary packages

- Raised the security bar a bit (ASLR, PIE, RELRO, SSP...)

What about now

The saddest news:

- No maintained binary release (source only)
- No active packaging branch (including LTS)

The good news:

- Slightly better website
- We have a working infrastructure again (many, many thanks to `xtos@` for the virtio fix)
- ...still needs a lot of setup

So… What happened?

E2MUCHWORK : (

The plan

The Plan: Infrastructure

- Build host
  - Lots of Git hooks
- Developer host
  - For developers to experiment
- Jumphost for the above:
  - Chat, e-mail, shell...
- Salt looks promising for central management and monitoring

The Plan: Overall support

- Keep pushing and pulling fixes!

- Investigating:
  - Support the console with root ramdisk on Radeon
  - `mmap()` issues with PaX when 32-bits
  - USB routing issues with ACPI on some laptops
  - KMS support with Xen DOM0 (address mapping)
  - Better power management with Xen DOM0
  - OSS 4?

The Plan: pkgsrc security

- Build as much of pkgsrc as possible with:
  - Full ASLR (PIE, register PaX exceptions)
  - SSP
  - RELRO
- Complete a test program for executables:
  - ELF ET_DYN executable files (PIE)
  - `__stack_chk_guard` SST_OBJECT symbol (SSP)
  - PT_GNU_RELRO section (RELRO)

The Plan: Default desktop

- Lots of progress with the DeforaOS desktop:
  - Almost ready to default to the Gtk+ 3 toolkit
  - Relaxing the license (2-clause BSD)
  - Project maturing
  - Releases stabilizing
- A lot of packaging ahead
- Need further integration

The Plan: Next elections

- I have to make it up to you guys
- This will help me get where I want to
- I definitely want to continue the project
- More candidates welcome at every level

The Plan: Embedded again

- Get back on the tablet

- Improve the tools, like `etch.sh` (look at sailor from `imil@`)

- Get back on the phone

Questions?

- Happy to run a spontaneous Q&A

Where we are

- IRC #EdgeBSD on Freenode

- Mailing-lists at http://lists.edgebsd.org/

- Web at https://www.edgebsd.org/

- Twitter as @EdgeBSD

- Going to conferences (hi!)

Thank you all for your attention