EdgeBSD: Status report

The past, present and future

FOSDEM
January 30th 2016
Brussels, Belgium, EU

Pierre Pronchery <khorben@edgebsd.org>
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