

Norwegian Unix Users' Group

Gentoo Linux

Kristian Fiskerstrand <k_f@gentoo.org>

94CB AFDD 3034 5109 5618

35AA 0B7F 8B60 E3ED FAE3

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- 1 Introduction
- 2 What is Gentoo
- 3 Gentoo and NUUG
- 4 Gentoo at FOSDEM



\$ whoami |

■ I'm Kristian 'K_F' Fiskerstrand

■ Gentoo Linux involvement

- Member of the Gentoo Council
- Lead of Gentoo Community Relations (*ComRel*)
- Member of Gentoo Public Relations Project
- Member of Gentoo Security and Gentoo Security Auditing Projects
- GnuPG related packages maintainer
- ...

\$ whoami II

- Notable non-Gentoo related projects
 - <https://sks-keyservers.net> presented at NUUG
September 2014: <https://www.nuug.no/aktiviteter/20140909-sks-keyservers/>
 - Synchronizing Keyserver (**SKS**)



Gentoo in five minutes I

- Source based meta-distribution based on either Linux or FreeBSD
- Portage package manager with strong features such as USE-flags resulting in great flexibility
- Binstpkg support; Being source based doesn't mean you have to compile on every computer with the same architecture and USE flags, binhosts are helpful in particular for larger deployments.

Gentoo in five minutes II

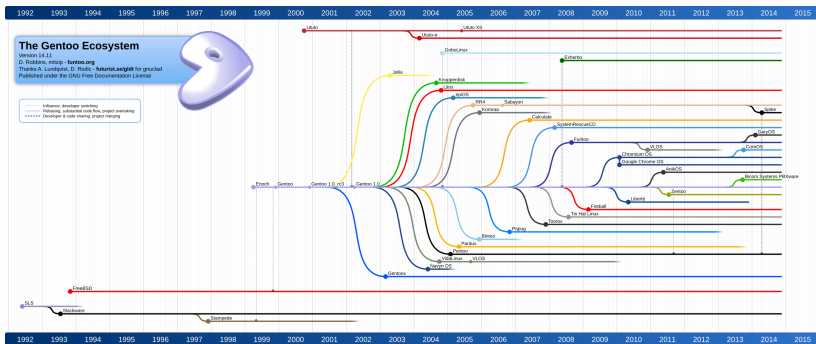
- Wide list of architectures supported; alpha, amd64, arm, hppa, ia64, ppc, ppc64, sparc, x86, mips, arm64, m68k, s390, sh
- Crossdev support ease deployment on microcontrollers and embedded systems
- Easy to patch packages on the fly, can normally add a patch under `/etc/portage/patches` e.g to apply local changes (guaranteed in EAPI=6)

Gentoo in five minutes III

- Rolling release distribution
 - with access to modern versions of packages
 - iterative maintenance process instead of major leaps
- Good environment to use, in particular for, developers.
 - No stripping of header files to separate packages
 - Overlays makes it easy to maintain own packages
 - including live scm versions (conventionally named 9999 versions) to help upstream development
 - public list of repositories is maintained for easy addition through layman (e.g `layman -a k_f`)

Gentoo in five minutes IV

Broad ecosystem



Possible Gentoo-related NUUG presentations

- Jason A. Donenfeld <zx2c4@gentoo.org> (Gentoo Security Auditing lead) talking about WireGuard (April 2017?)
- Francisco Blas Izquierdo Riera <klondike@gentoo.org> talking about Gentoo Hardened



Come visit us at FOSDEM

- Come visit us at FOSDEM, 4 & 5 February 2017
- K-Building, Level 1, Group B, Number 2

