

Java on Gentoo Linux

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Gentoo Linux

Gentoo Java team

- 7 developers
- Project lead Petteri Rätty (myself)
- Power users help by committing stuff to the java overlays
- Monthly meetings #gentoo-java@freenode
 - Next meeting time is always in topic



Package count

- 480 unmasked packages currently use java eclasses
 - 371 of these have a stable version on x86
 - And lots of stuff in the overlays
- 473 packages a year ago but we have been cleaning lots of old stuff and adding new ones at about the same pace
- Java is supported by:
 - amd64, ia64, ppc, ppc64, x86, x86-fbsd, prefix



JDKs

- Main jdks currently are Sun and IBM jdks.
- OpenJDK / Iced Tea
 - Ideally we would have a dedicated maintainer for these



What happened last year?

- Old style ebuilds are almost gone
- Maven work is almost finished in our overlays
- Ant is handled much more cleanly
- Started to introduce virtuals for stuff like javamail



Some benefits of our setup

- It's very easy to switch between used compilers and jdks
 - Very easy to test something with a bunch of jdks
- Separation of a user and system vm
- One directory per slot makes it quite easy to add packages to things like Netbeans library manager



More goodies

- Dependency handling by our automatic wrapper script creator. Uses the dependencies from ebuilds to put everything needed to the CLASSPATH.
- You can tweak options passed to java on a launcher by launcher basis using bash.
- Scripts to compare ABI changes between ebuilds (japitools)
- Java LDD (Needs polish for a release)



Ideas for 2008

- Improve the FOSS java stack
- Needs a dedicated maintainer
 - Bring Maven to the main tree
- Preparing for eventual EOL of 1.4
- Package more J2EE stuff
 - Things like JBOSS need a dedicated maintainer before they can be added and kept supported



Simple ebuilds

- Next let's look at some java ebuilds and how it's all done, but before that does anyone have any questions?

