



Gentoo KDE: stable, fresh, and bleeding edge!

Tomáš Chvátal <scarabeus@gentoo.org>



2012/10/20



Who the hell is Tomáš Chvátal

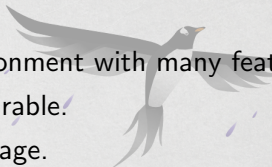
- Council member (currently second term)
- KDE team member (former lead)
- Libreoffice maintainer
- Formely also working on X11, Overlays, Clustering, QA, ...





What is KDE

- Fancy Qt based desktop environment with many features.
- Visually appealing and configurable.
- Bloated thing wrt database usage.





How to make not pain and really usable

- Make the nepomuk (aka semantic-desktop) optional for those who prefer to use their system rather than index its content all the time.
- Make akonadi also optional and allow installation of pre-akonadi versions to have something really usable :-)
- Make all this fun run on hardened and so make it bit safer.



Running KDE on gentoo

- Use desktop or desktop/kde profile
- Enable devicekit and consolekit useflag
- Select the packages that are actually needed





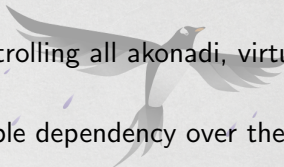
What packages would I need

- kde-base/kde-meta: Not really, this is metapackage that includes EVERYTHING.
- kde-base/kdebase-meta and kde-base/kdebase-runtime-meta: Basic subset on which one can install additional packages.
- kde-base/*-meta: These are joint packages per various category.



Interesting useflags

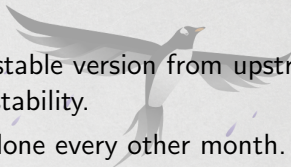
- semantic-desktop: useflag controlling all akonadi, virtuoso and nepomuk dependencies.
- udisks/upower: enable or disable dependency over these tools, it is runtime detected tho.





Stable

- Bit older than latest released stable version from upstream, but tested a lot to ensure its stability.
- Usually new stable version is done every other month.





Testing

- Always 0 day version bump with latest upstream released stuff.
- Usually contains a lots of issues that upstream didn't care enough to fix.
- This stuff is taken from overlay by fancy update script in bash I wrote 4 years ago.



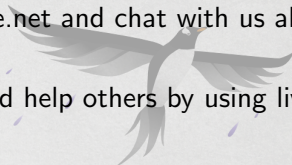
Overlay - aka snapshots / live stuff; let me break your boxen

- Usually live versions of master branch and currently produced branch (ie. 4.8 when 4.9 is in development).
- The overlay is the place where all the development is done.
- The branch ebuids are usually just the bug fixes to next release.
- Live ebuids is where magic happens, and you will usually cry for help when stuff breaks.



Contributing

- Join #gentoo-kde on freenode.net and chat with us about your secret plans.
- Clone up the git repository and help others by using live ebuilds and fix the issues.
- Fire up bugzilla and help us closing issues (we like to have just few bugs, something around 100 is perfect).





KDE stable

- New KDE subproject with focus on stable users.
- Team simply works on testing various packages from the testing tree and moves them for stabilisation if they meet the requirements.
- Actually anyone who is using stable system (nothing much keyworded) can join this team and help up.
- Planned results for this team are to provide even more polished KDE experience on stable systems.



Few ideas what to do for KDE 5 release

Bit of discussion about KDE future.





Links to learn from and links to stuff I mentioned

- <http://wiki.gentoo.org/wiki/KDE>
- <http://www.gentoo.org/proj/en/desktop/kde/>
- <http://git.overlays.gentoo.org/gitweb/?p=proj/kde.git>





Questions

Nobody wants to ask anything. Right?





Thank you

Thank you for your attention!

