



# Why use Gentoo

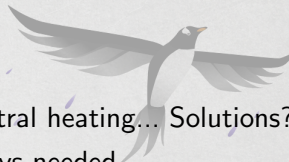
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# Questions

- What is this Gentoo thing?
- I hate paying so much for central heating... Solutions?
- Optimization overkill is always needed





# Who am I?

Tomáš Chvátal

- Gentoo developer since fall 2008
- Was member of Gentoo Council for few terms
- Currently maintaining libreoffice (hint we need volunteers) and KDE team member
- Works at SUSE and is bossing around bunch of packagers :)





# Basic stuff

- Gentoo was started by Daniel Robbins in 1999
- Metadistribution compiled from scratch on user system
- Supports loads of various archs: amd64, arm, x86, ppc64, ...
- Democratically governed distribution where Council stands as appealing body
- Portage contains something around 20 000 packages with 30 thousand versions



# What the hell is Metadistribution?

Basically it means that Gentoo is used as base to create other distributions, instead of direct Gentoo usage. Some distros starting from Gentoo:

- Chrome OS
- Funtoo
- Calculate linux
- Sabayon

We can say Debian/Ubuntu are used like this (see all the damn forks with different skins there).





# Rolling distribution

- Always up-to-date
- No need for migration
- New stuff every 30 minutes





# Build locally from source code

- Optimize directly for your hardware
- Tweak out dependencies and configure options for build







# Hardened project

- Super secure Linux TM
- Enables quite some compilation switches to harden the output
- Various kernel patches to skyrocket the security

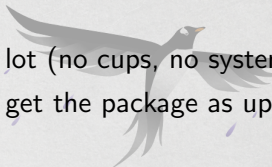






## Other trivia

- Ability to tweak out options a lot (no cups, no systemd, etc.)
- Almost no distro patches: you get the package as upstream desires
- You can choose to live on the edge by using testing tree





# What should I be aware of

- Quite complex installation compared to others
- Rolling updates
- Slow application install
- Testing tree can be fatal and you might be forced to reinstall





# When should I start considering to install it?

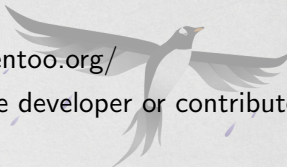
- I want to learn really well how this linux thing works
- I don't mind searching answers on internet
- I actually read distro notification and act upon them

Mostly Gentoo can be deployed everywhere, just some administration decisions can make it really big nightmare.



# I feel so intrigued I want to contribute

- Report bugs to <http://bugs.gentoo.org/>
- Contribute to portage (became developer or contribute like proxy-maintainer)
- Finances (donate button on <http://www.gentoo.org/>)



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More reading

# More reading

- <http://www.gentoo.org/>
- <http://forums.gentoo.org/>
- <http://wiki.gentoo.org/>





# Q&A

Do you happen to have some questions people?





## Thanks



Thank you for your attention

