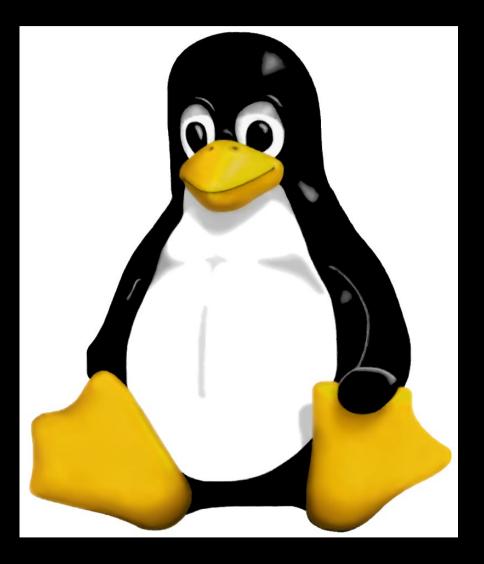


World Domination through Distributed Collaboration





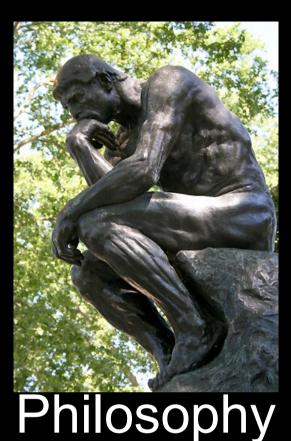
Tools



The Linux Kernel

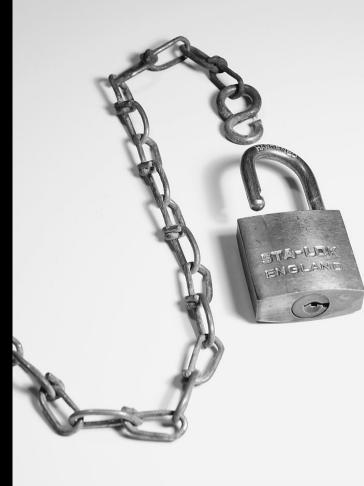
•v2.6.29 released 17th March 2009

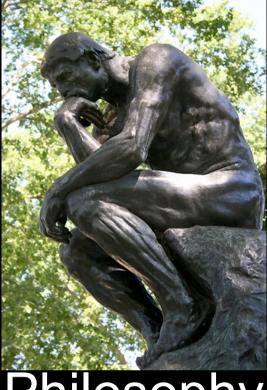
- •3 months after v2.6.28
- •11,610 changes
- •1,228,000 lines added
- •401,000 lines deleted
- •1166 individual developers



•Floss

Free Libre Open Source Software





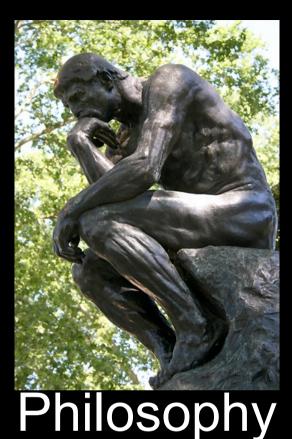
GNU General Public Philosophy License



•Floss •GNU GPL

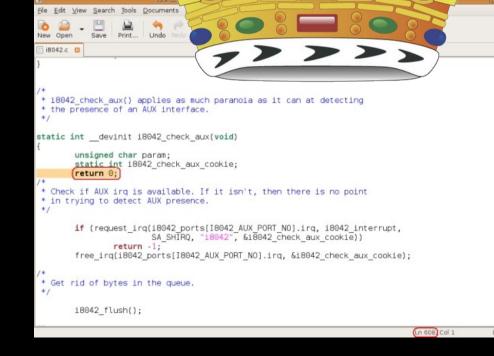


Free as in Freedom



Design discussions can be fun, but working code speaks louder and silences the naysayers.

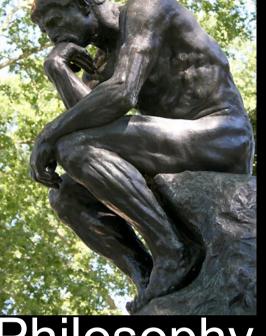
Floss
GNU GPL
Code is King



Philosophy

Floss
GNU GPL
Code is King
Maintainabilty Matters

"It works" isn't enough. It must also be maintainable!





Having tools that suite your workflow, instead of fighting against it make collaboration so much easier.





Tools Fit your workflow

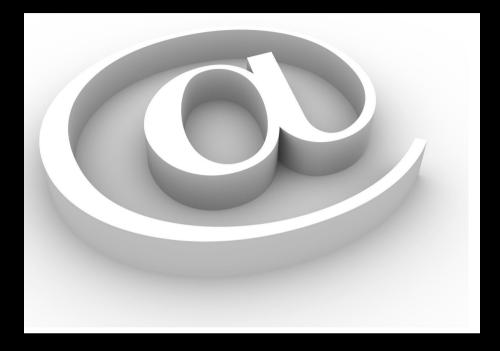


"GIT" is a source code revision tracker It:

- Allows independant work on independent sections.
- Records complete change history, with comments.
- Support hierarchical distributed collaboration.



Tools •Fit your workflow •GIT



Open mailing lists
Archived on the web
Searchable by Google etc Allow everyone to use their tool of choice for communication. The vast majority of collaboration on the Linux Kernel happen via Email.



ToolsFit your workflow
GIT
Email



Bugzilla



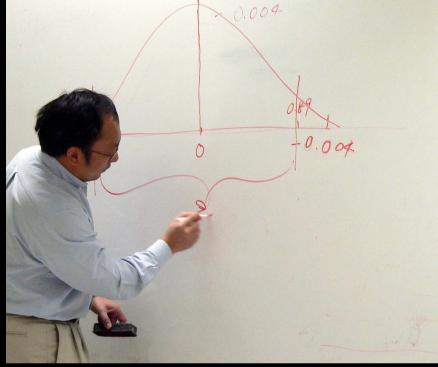
Some people like web based forums, but I am one of many who find them to be more trouble than they are worth. Use them if everyone in your community find them effective.



Tools

- •Fit your workflow
- •GIT
- •Email
- •Forums and web based issue trackers

Those who do the work, call the shots.



•Merit



Choose to maintain high professional standards for long term quality.



•Merit •Care



One cannot overstate the importance of listening attentively and communicating clearly.



Politeness is, surprisingly, secondary.

- •Merit
- •Care
- •Communicate



When you value someone's first steps, they are more likely to try bigger steps next time.



- •Merit
- •Care
- Communicate
 Value all contributions.



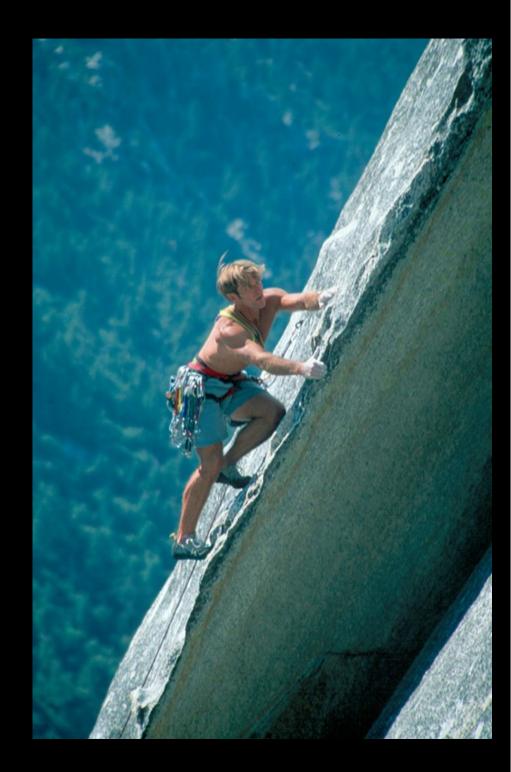
Challenges

Maintaining Quality

- Making new things is more fun than fixing old things.
 Beginners make more mistakes.
 Avoid 'ego' problems
- •Automatic error detection.

Continuing to Scale

Building trust websAvoiding bottlenecksEducation



Questions?

Slides available from http://neil.brown.name/blog/collaboration

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