Automatically testing distribution kernel packages
Motivation:
- Provide tested and safe to use kernel packages
- Improve quality of the kernel packages on Gentoo
- Currently we are testing gentoo-sources and other derived packages
- gentoo-sources
  - Genpatches (package containing patches for each kernel)
    - One specific gentoo patch
- Kernel sources
What we are doing for Gentoo kernel package testing:

- Testing multiple kernel configurations
  - make allyesconfig (succeeds?)
  - Make defconfig or any other reasonable configuration (succeeds?)
  - stabilize package
- Toolchains can introduce major changes and widespread breakage
  - Build with different toolchains
What we currently have for Gentoo kernel package testing
What we are thinking to doing for Gentoo kernel package testing
Generalizing:
- Jenkins vs buildbot or any other testing system
- We need more kernel testing not just boot test
  - LPT, kselftest
- Lava or not?
  - Bbci (specific to boot, helping us testing gentoo kernels packages) [http://kernel.montjoie.ovh/lava/](http://kernel.montjoie.ovh/lava/)
https://github.com/gentoo/Gentoo_kernelCI

Recently working with docker

https://github.com/aliceinwire/GkernelCI_docker