State of Gentoo Infra
Who runs that box anyway?

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Gentoo Infrastucture

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Team

Who	What
robbat2	Manager, Sysadmin
idl0r	Bugzilla, Sysadmin
darkside	Mirrors, WebApps
tampakrap	Senior Mirror admin, Sysadmin
antarus	Sysadmin
a3li	Sysadmin/security
armin76	Releng liaison
halcy0n	Mirrors
craig	Sysadmin
kingtaco	Manager

Getting Involved

- Infra needs new blood
- How can we make it easier?
- Concerns in trust
    - Repo/Releng security
    - Impartial!
    - Avoiding power abuse
- Assigning vs. volunteering

Hardware

Where	Count
EU	21
US	20
Canada	7
Asia	0
Oceania	0
South America	0
Total	**48**

- Infra only, not dev machines
- Demand in more continents

Git Migration: History

- 2006: GSoC proof-of-content by antarus
- 2008-2010: various plan iterations
- 2010: GSoC mentor summit discussion
- 2011: Git development: Signing & Bugfixes
- 2012: Can it happen?

Git Migration: Iteration

- Do {
  - Update conversion
  - Update validation
  - Convert
  - Validate
- } while(validation fails)
- Lock read-only
- Convert & Validate
- Cleanups
- Make it so!

Git Migration: Cleanups

- Thin manifests
- Graft point
- Sign tip-of-tree

Git Migration: TODO

- Validation
    - Until recently, only by hand at random
    - rich0's ongoing development
- Git Hooks
    - Push too large
    - Push unsigned, invalid sig
- Merge policy...
- Infra CVS->Rsync s/CVS/Git/
- MetaManifest GLEP?

WWW nodes

- Originally in Los Angeles
- Two presently, in UK
- Source material (GuideXML) superb
- Build system painful (gorg)

WebApps

- Bugzilla
- Forums
- Wiki
- Packages
- Bouncer
- ...