State of Gentoo Infra

Who runs that box anyway?

Robin H Johnson <robbat@gentoo.org>

Gentoo Infrastructure

Gentoo Miniconf Prague
2012/10/20
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<th>Introduction</th>
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# Team

<table>
<thead>
<tr>
<th>Who</th>
<th>What</th>
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<tbody>
<tr>
<td>robbat2</td>
<td>Manager, Sysadmin</td>
</tr>
<tr>
<td>idl0r</td>
<td>Bugzilla, Sysadmin</td>
</tr>
<tr>
<td>darkside</td>
<td>Mirrors, WebApps</td>
</tr>
<tr>
<td>tampakrap</td>
<td>Senior Mirror admin, Sysadmin</td>
</tr>
<tr>
<td>antarus</td>
<td>Sysadmin</td>
</tr>
<tr>
<td>a3li</td>
<td>Sysadmin/security</td>
</tr>
<tr>
<td>armin76</td>
<td>Releng liaison</td>
</tr>
<tr>
<td>halcy0n</td>
<td>Mirrors</td>
</tr>
<tr>
<td>craig</td>
<td>Sysadmin</td>
</tr>
<tr>
<td>kingtaco</td>
<td>Manager</td>
</tr>
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</table>

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Gentoo Infrastructure  
State of Gentoo Infra
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

<table>
<thead>
<tr>
<th>Where</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>21</td>
</tr>
<tr>
<td>US</td>
<td>20</td>
</tr>
<tr>
<td>Canada</td>
<td>7</td>
</tr>
<tr>
<td>Asia</td>
<td>0</td>
</tr>
<tr>
<td>Oceania</td>
<td>0</td>
</tr>
<tr>
<td>South America</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>48</strong></td>
</tr>
</tbody>
</table>

- 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
- ...

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