Haskell.org
Infrastructure
Gershom Bazerman, HIW ’15 / Vancouver
Haskell.org Infrastructure

- www
- hackage
- wiki
- mail
- ghc / phab / trac
- community
- /platform
- “Boring Stuff We Need to Enable Other Stuff”
Stats

- Two days on www and wiki (even behind the CDN)
- 11,000 uniques
  100,000 pages
  1.7 G
- Hits to
  /hoogle
  /platform
  /downloads
  /ghc
  /documentation
Stats

- Two days on hackage
- 290 uniques (all behind fastly!)
  117,000 pages
  18 G
- Hits to
  index.tar.gz (15 G!)
  /package/void-0.7/void-0.7.tar.gz
  /packages/
  /packages/search
  /package/lens
  /package/purescript
  /packages/recent
Stats: Installs

• 1.5 Months
  92,000 platform downloads (but CDN, so more?)

• Distro (Ubuntu, Debian, etc) installs — ???

• Standalone installers — ???

• Help would be helpful
• New Homepage!
• New update procedure
• Curated resources
• Initial bikeshed phase: over
• Work Needed? You tell us.
Wiki

• Better Account Story: Done
• A few extra plugins: Done
• Needs: Lots of love and helpers
• haskell-wiki-maintainers@googlegroups.com
Mail

- To my knowledge: stable and working.
GHC / Phab / Trac

- We need a more uniform buildbots story and especially windows / mac
- Phab seems to be in good shape
- Trac occasionally eats all the resources until the bad request dies. Many mitigations in place, expert advice wanted
Community

• We’ve announced we’re retiring it
• We haven’t done anything to actually retire it
• This is a big pain — we need to dig in, help welcome.
• (Things to roll off: tracs, mailinglists, personal websites, darcs repos)
Platform

- New page is good, still missing features
- Aims at more regular and rigorous release schedule
- Plans to bundle stack
- Work on incorporating minghc (I think?)
- What else?
Hackage

- New Features — GSOC
  1) Stars
  2) Google juice (canonical redirects and sitemaps)
  3) Template refactor

- GSOC on Haddock: Hyperlinked source!
  (e.g.: https://hackage.haskell.org/package/ghc-exactprint-0.3/docs/src/Language.Haskell.GHC.ExactPrint.Print.html)

- https in Cabal: Done
Hackage

• Security Ongoing (covered by Duncan, but questions remain)

• Stability Accomplished (ditto, mainly, for builders)

• Matrix.hackage.haskell.org

• Admin Policies for updates, takeovers, cabal edits (thanks, SPJ, for the push).
  (Active trustees and admins, and a google issue tracker!)

• Needs work: navigation, discoverability, mobile

• Overall theme: “feature complete” vs. “product complete”. We need real UX thought (ditto cabal). (Survey forthcoming, I hope)
General Info

- In place: accessibility monitoring from webmon
- Still Needed: Automated, reproducible boxes (Ongoing work based on nix, spearheaded by Austin)
- Still Needed: More Better automated Stats. (volunteers?)
- #haskell-infrastructure on freenode
- admin@haskell.org
- status.haskell.org