Gitiles
A simple JGit source browser
Dave Borowitz, Google
Gitiles?

- Rhymes with "Skittles"

- Lets you see your files stored in git
  - Apologies for the pun
Gitiles!

- android.googlesource.com needs a source browser
Requirements

- JGit (duh)
Requirements

- Integrate with our authentication system
  - Google accounts
  - Multiple group systems
  - Gerrit ACLs
Requirements

- Use an approved-by-Google template system
  - Wicket (GitBlit) is out :(
Simplicity

- Just a repository browser
  - Not a git server
    - (but may share URL space)
  - Not code review
Simplicity

- Sane URLs
  - Not gitweb
    - (but we have a URL redirector)
Simplicity

- Only a few features
  - (see demo)
  - Easy to add more (blame coming soon)
  - Probably will never have...
Simplicity

- Simple access control interface
  - Calling it "access control" is a stretch
Simplicity

- Uncluttered UI
  - Ok, navigation could use some work
Simplicity

- Server-side rendering
  - Standard Java Servlets
  - Google Closure Templates (Soy)
    - (also supports JS rendering)
Simplicity

- Standard HTML/CSS
  - Not GWT
  - Little JS
Gitiles @ Google

SSL Server -> HTTP LB -> Gitiles -> Gerrit

RPC (list refs)

JGit Repository

BIGTABLE -> GFS

Git GC
Gitiles @ Google

- Standard WAR packaging
- Git/Gerrit-like config file
- Maven Jetty plugin for quick development
Help Us!

- We are not web designers
- Contribute today, see your changes on googlesource.com tomorrow
  - Ok, maybe the end of the week
Gitiles on Gitiles

https://gerrit.googlesource.com/gitiles

Bugs, feature requests, flames:
http://code.google.com/p/gitiles/