

GitHub for Digital Professionals

Version Control, Issue Tracking, and Documentation

Paul Jones

Local Wisdom

November 21, 2014

Introduction

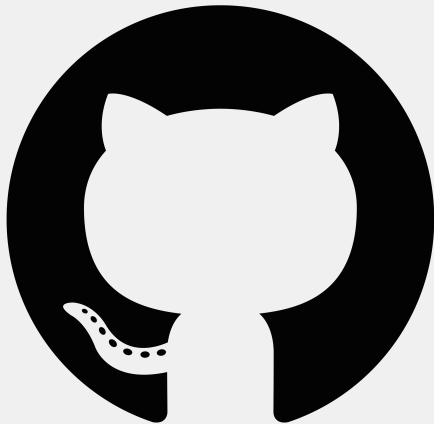
We used to use a number of disparate services to provide source control, issue tracking, and documentation for deliverables.



beanstalk



But now, one service provides all three functionalities.



We build software.
GitHub lets us build better.

Meet GitHub

The screenshot displays the GitHub web interface for the repository 'LocalWisdom / jnj-ir'. The page shows the repository name, a search bar, and navigation links like 'Explore', 'Gist', 'Blog', and 'Help'. The repository is marked as 'PRIVATE' and has 3 watchers, 0 stars, and 0 forks. The main content area shows the repository's commit history, with a table listing recent commits. The right sidebar contains links to 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. At the bottom, there is a section for cloning the repository via HTTPS, SSH, or Subversion, and a 'Clone in Desktop' button.

Investor Relations app — Edit

246 commits 2 branches 0 releases 1 contributor

branch: master jnj-ir / +

New launch screen and fade in animation.

Chris Boraski authored a day ago latest commit 3a83d9eed

Flurry iPhone SDK v4.1.0	moved directory up a level	6 days ago
Investor Relations App.xcodeproj	New launch screen and fade in animation.	a day ago
Investor Relations App	New launch screen and fade in animation.	a day ago
Investor Relations AppTests	moved directory up a level	6 days ago
Default-568h@2x.png	moved directory up a level	6 days ago
Default-Landscape@2x-ipad.png	moved directory up a level	6 days ago
Default-Portrait	moved directory up a level	6 days ago
Default-Portrait@2x-ipad.png	moved directory up a level	6 days ago
Default@2x.png	moved directory up a level	6 days ago

Code

Issues 0

Pull Requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL

<https://github.com/LocalWisdom/jnj-ir>

You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

Clone in Desktop

What is GitHub?

noun

GitHub is a code repository hosting service, which offers all the features of `git` as well as adding its own features, such as:

- Issue-tracking
- Wikis
- Project web pages

What is `git`?

noun

`git` is a source control system with support for distributed and non-linear workflows.

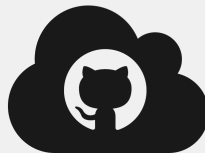
"Source Control"

```
$ git add --all  
$ git commit -m "added awesome"  
$ git push
```

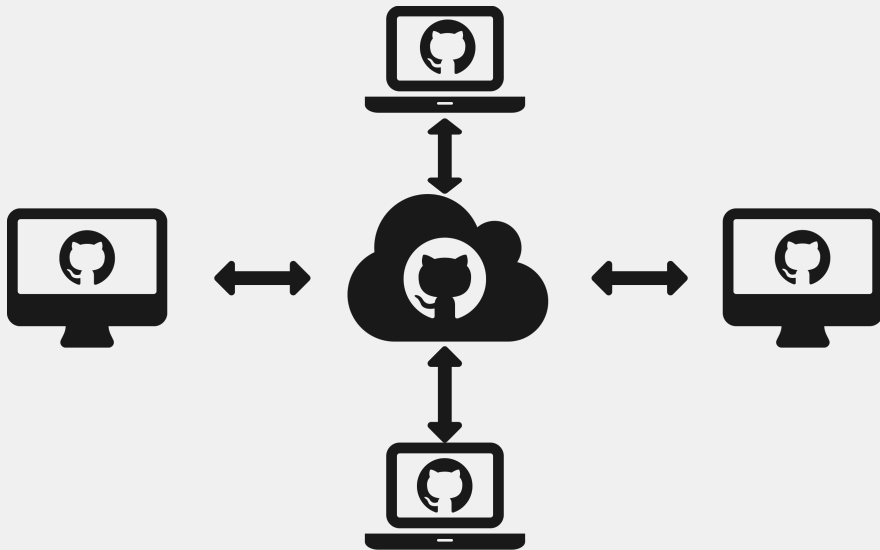


"Source Control"

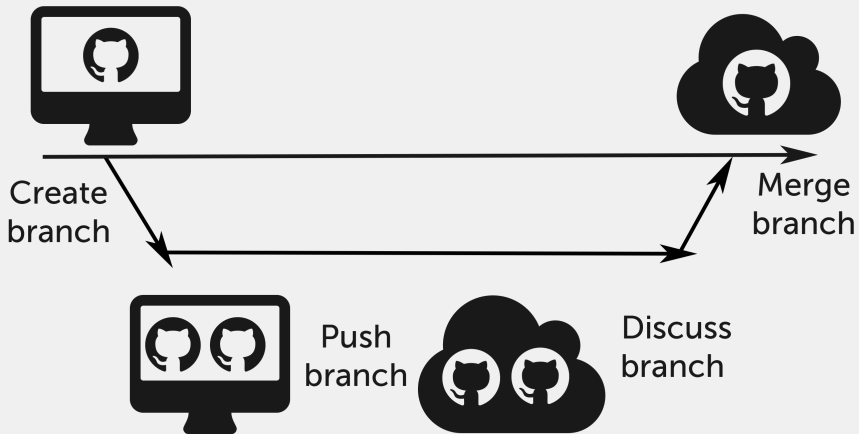
```
$ git pull
```



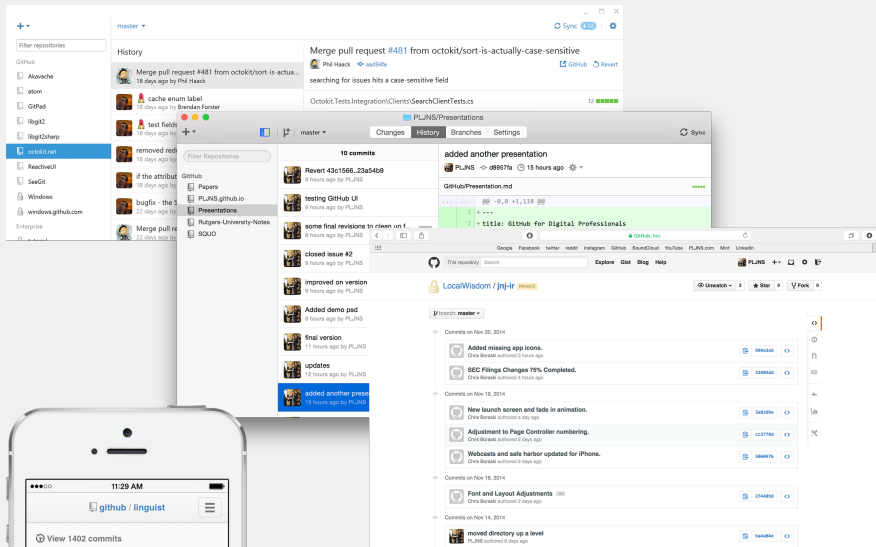
"Distributed"



"Non-Linear"



All Platforms



Issue Tracking

GitHub gives you
a way to communicate with dev.

The screenshot shows a web browser window displaying the GitHub repository page for 'LocalWisdom / jnj-ir'. The repository is marked as 'PRIVATE'. The page header includes navigation links like 'Explore', 'Gist', 'Blog', and 'Help', along with repository statistics: 246 commits, 2 branches, 0 releases, and 1 contributor. The main content area shows a commit history table with columns for file changes, commit messages, and timestamps. The right sidebar contains links to 'Code', 'Issues', 'Pull Requests', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. The 'Issues' link is highlighted with a white circle. At the bottom of the sidebar, there is a section for 'HTTPS clone URL' and a 'Clone in Desktop' button.

LocalWisdom / jnj-ir PRIVATE

Unwatch 3 Star 0 Fork 0

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Code

Issues 0

Pull Requests 0

Wiki

Pulse

Graphs

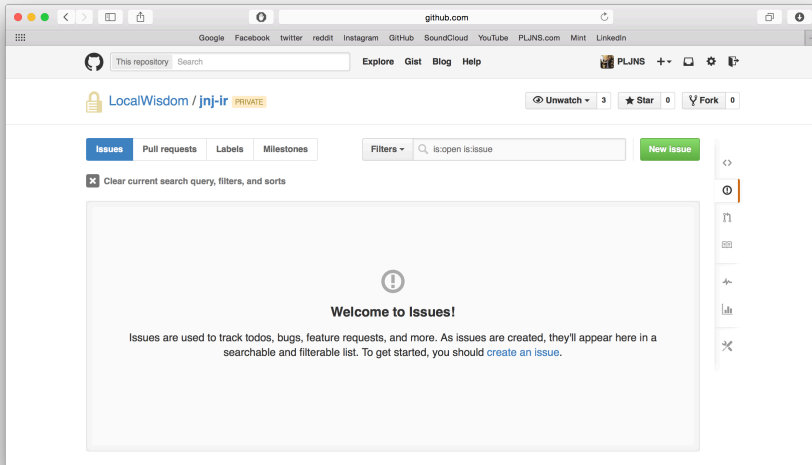
Settings

HTTPS clone URL

<https://github.com/>

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop



Pause for demo.

Overview

- Title and description
- Color-coded labels
- Milestones
- One assignee
- Comments

Version Control

GitHub gives you
a way to browse history.

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Clone in Desktop

The screenshot shows a web browser window displaying the GitHub repository page for **LocalWisdom / jnj-ir**. The repository is marked as **PRIVATE**. The page header includes navigation links for Google, Facebook, twitter, reddit, Instagram, GitHub, SoundCloud, YouTube, PLJNS.com, Mint, and LinkedIn. Below the header, there is a search bar and buttons for **Explore**, **Gist**, **Blog**, and **Help**. The repository name **LocalWisdom / jnj-ir** is displayed with a **PRIVATE** label. To the right of the repository name are buttons for **Unwatch** (3), **Star** (0), and **Fork** (0). Below this, a dropdown menu shows the current branch as **master**. The main content area displays a list of commits, grouped by date. The commits are as follows:

- Commits on Nov 19, 2014**
 - New launch screen and fade in animation.** by Chris Boraski, authored a day ago. Commit hash: `3a83d9e`.
 - Adjustment to Page Controller numbering.** by Chris Boraski, authored a day ago. Commit hash: `cc2778d`.
 - Webcasts and safe harbor updated for iPhone.** by Chris Boraski, authored a day ago. Commit hash: `5060476`.
- Commits on Nov 18, 2014**
 - Font and Layout Adjustments** by Chris Boraski, authored 2 days ago. Commit hash: `274489d`.
- Commits on Nov 14, 2014**
 - moved directory up a level** by PLJNS, authored 6 days ago. Commit hash: `ba4a04e`.
 - initial move to git** by PLJNS, authored 6 days ago. Commit hash: `1e53f24`.

On the right side of the page, there is a vertical sidebar with icons for repository actions: **Code** (code icon), **Issues** (issue icon), **Pull requests** (pull request icon), **Actions** (play icon), **Insights** (bar chart icon), and **Settings** (gear icon).

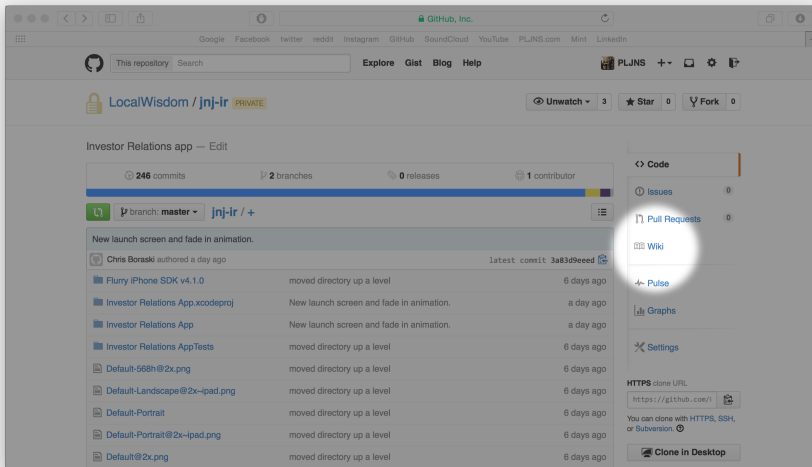
Pause for demo.

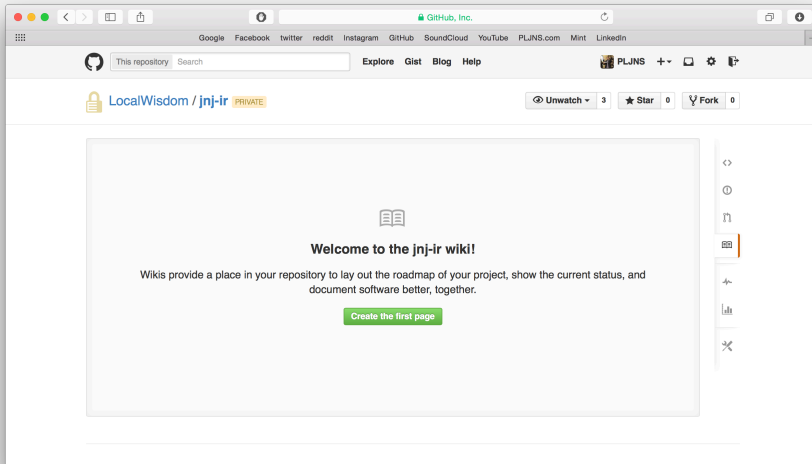
Overview

- Every commit to a PSD is a design change.
- Developers can quickly see what's new.
- Every commit describes progress.
- All viewable on Windows, Mac, and the Web.

Documentation

GitHub gives you
a way to document knowledge.





Pause for demo.

Overview

- GitHub Wikis are a place in your repository where we can share long-form content about our projects, such as:
 - how to use it,
 - how it's been designed, and
 - planned features.
- Wikis can be edited directly on GitHub, or you can work with a text editor offline and simply push your changes.
- You can:
 - Add images
 - Create sidebars
 - Create footgers
 - Edit locally
 - View history

Conclusion

GitHub allows us to
build better software,
together.

Advanced Topics

- GitHub lets you publish HTML straight to the web from any branch named “gh_pages”.
- GitHub supports mentioning people with @, linking issues using #, using emoji, and adding images.
- If you want to close issue #35, put closes #35 somewhere in your commit message.
- Markdown, the markup language used for GitHub documentation, is useful for much more than GitHub: this presentation was written in Markdown!

After this presentation, I'll send an internal all email with a link where you can use your Local Wisdom email to create a GitHub profile to get you started.

Thank you!