

# Github

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# Github I: What Is It?

- Website which manages:
  - your git repos
  - your teams
  - \* (aggressive silicon valley company lots of features)
- Source repository of Open Source code

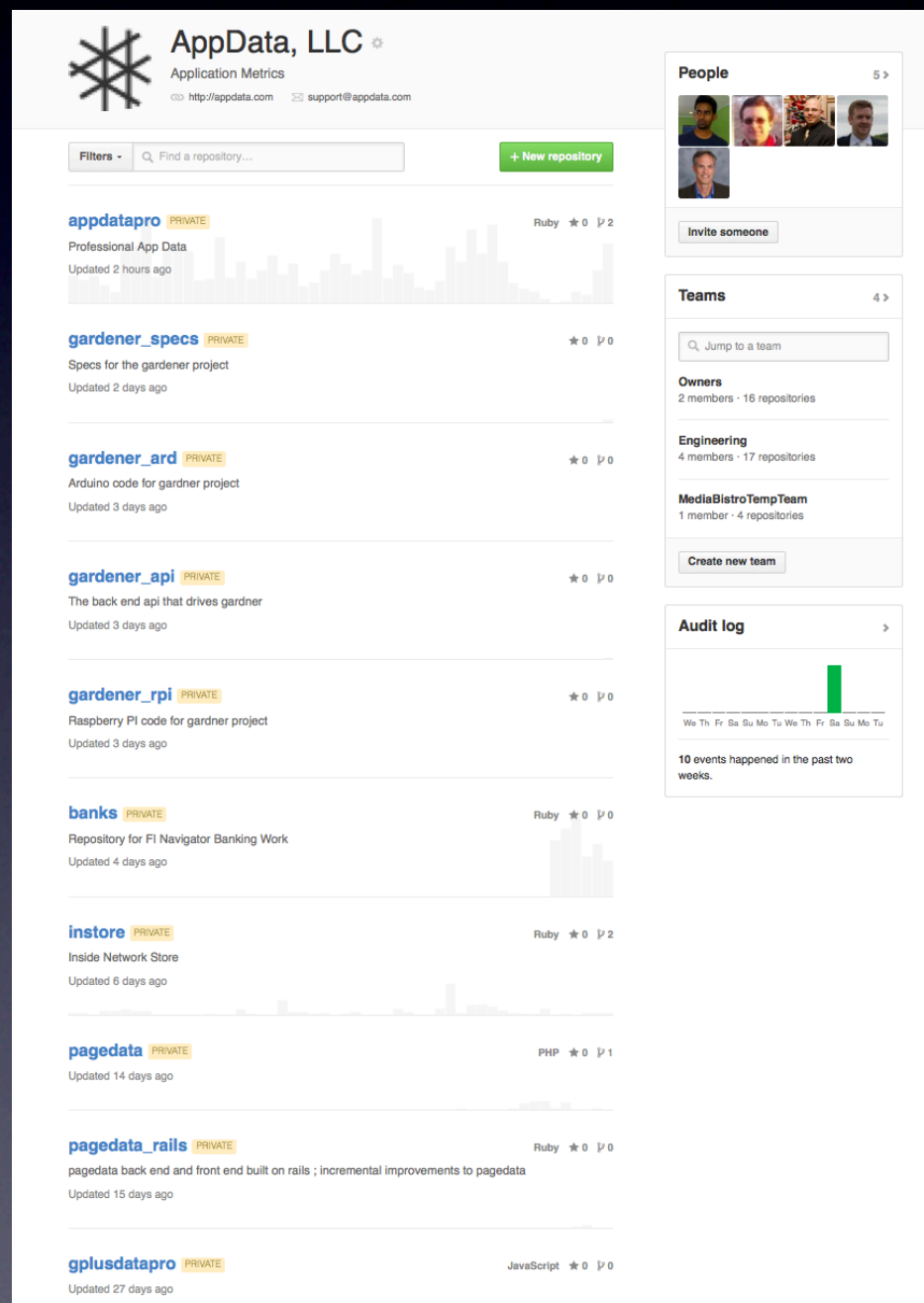


# Github 2 : Repos

- Repositories or “repos” can be public or private
- Public are free
- Private is paid for
  - Github is relatively cheap
  - Its expensive if you fall into a “enterprise customer”



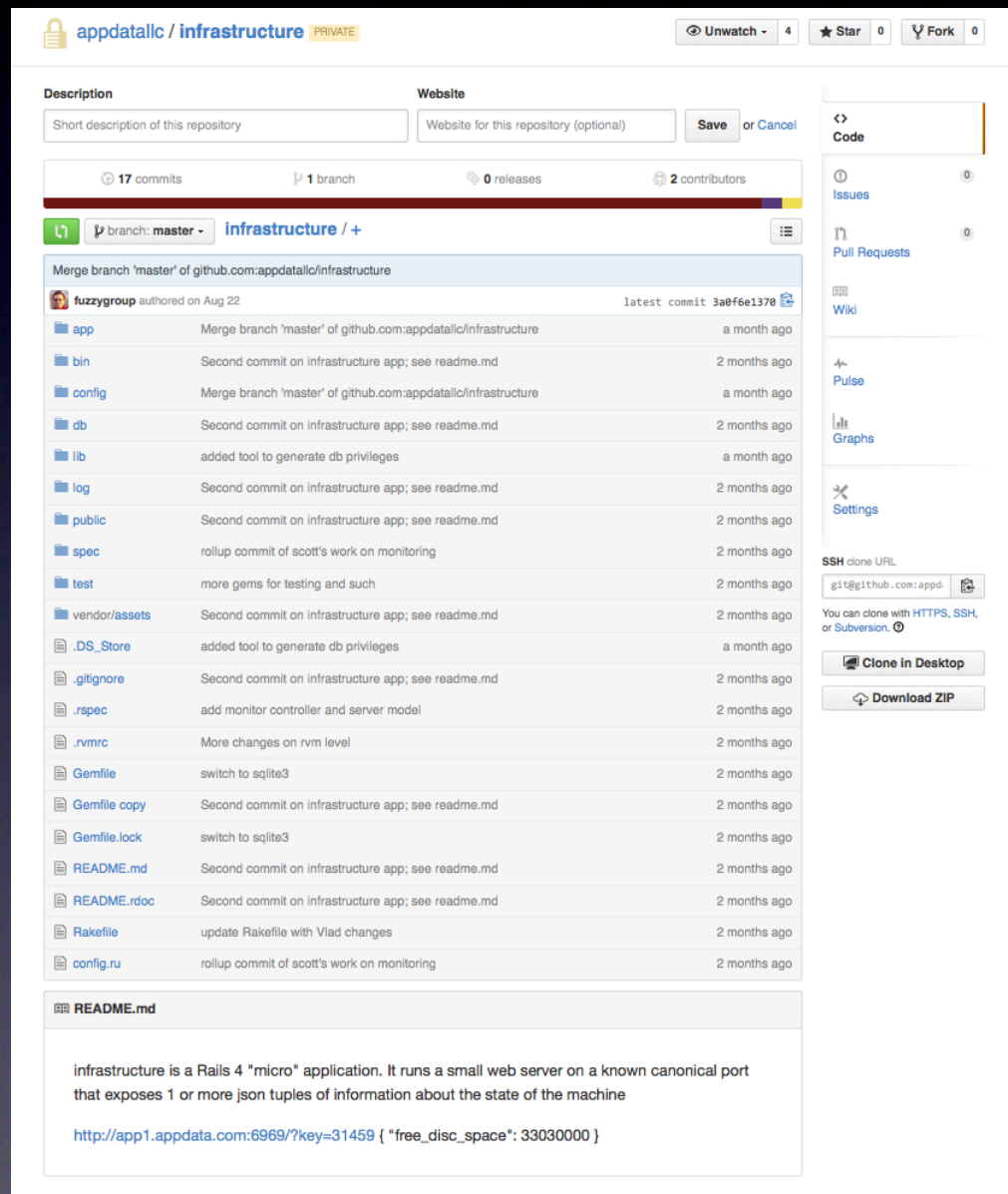
# Repos View



- Shows all repos
- Lets you change repo level settings



# Repo View



- Shows what is happening in a codebase
- But not all code has to be committed
- Commits only are required before deploy

# Repo Settings

The screenshot shows the GitHub repository settings page for 'appdataallc / infrastructure'. The repository is private. The left sidebar contains links for 'Options', 'Collaborators', 'Webhooks & Services', and 'Deploy keys'. The main content area is divided into several sections: 'Settings' (Repository name: 'infrastructure', Default branch: 'master'), 'Features' (Wikis and Issues are enabled), 'GitHub Pages' (with a caution about public visibility and an 'Automatic page generator' button), and a 'Danger Zone' (containing 'Make this repository public', 'Transfer ownership', and 'Delete this repository' buttons).

appdataallc / infrastructure PRIVATE

Unwatch 4 Star 0 Fork 0

**Options**

- Collaborators
- Webhooks & Services
- Deploy keys

**Settings**

Repository name: infrastructure [Rename](#)

Default branch: master

**Features**

- ☒ Wikis  
GitHub Wikis is a simple way to let others contribute content. Any GitHub user can create and edit pages to use for documentation, examples, support, or anything you wish.
- ☐ Restrict editing to users in teams with push access only.  
Public wikis will still be readable by everyone.
- ☒ Issues  
GitHub Issues adds lightweight issue tracking tightly integrated with your repository. Add issues to milestones, label issues, and close & reference issues from commit messages.

**GitHub Pages**

**Caution:** This repository is private but the published site will be public.

Create a beautiful site for your project with our [GitHub Pages](#) generator.

Author your content in our Markdown editor, select a theme, then publish. [Automatic page generator](#)

To publish a page manually, push an HTML or [Jekyll](#) site to a branch named gh-pages. [More info.](#)

**Danger Zone**

**Make this repository public**  
Make this repository visible to anyone. [Make public](#)

**Transfer ownership**  
Transfer this repo to another user or to an organization where you have admin rights. [Transfer](#)

**Delete this repository**  
Once you delete a repository, there is no going back. Please be certain. [Delete this repository](#)

- Change / Add collaborators
- Change deploy (ssh) keys
- Repo transfer



# Repo Deploy Keys

The screenshot shows the 'Deploy keys' page for a private repository named 'appdata/c / infrastructure'. The page header includes the repository name, a 'PRIVATE' label, and interaction buttons for 'Unwatch' (4), 'Star' (0), and 'Fork' (0). On the left, a sidebar lists navigation options: 'Options', 'Collaborators', 'Webhooks & Services', and 'Deploy keys' (which is highlighted). The main content area is titled 'Deploy keys' and features an 'Add deploy key' button. Below this, a table lists 11 existing deploy keys, each with an email address, a public key fingerprint, and a 'Delete' button. The keys are associated with various servers and services, including 'app1.appdata.com', 'app2.appdata.com', 'db1.appdata.com', 'worker1.appdata.com', 'worker2.appdata.com', 'app1.gplusdata.com', 'db1.gplusdata.com', 'worker1.gplusdata.com', 'app1.pagedatapro.com', 'db1.pagedatapro.com', 'worker1.pagedatapro.com', and 'store.appdata.com'.

Deploy key	Public key fingerprint	Action
infrastructure@app1.appdata.com	(01:13:29:20:81:68:95:15:a6:a7:86:99:95:99:70:21)	Delete
infrastructure@app2.appdata.com	(e7:35:7e:7f:e3:4d:37:68:b9:05:06:b4:16:ec:40:e5)	Delete
infrastructure@db1.appdata.com	(bc:b6:72:2a:3c:f9:b5:df:ea:b1:31:c6:4c:20:d2:c9)	Delete
infrastructure@worker1.appdata.com	(a6:c0:68:da:c6:e0:b5:6e:81:19:0c:e6:09:c3:86:f0)	Delete
infrastructure@worker2.appdata.com	(ce:ad:d3:67:a8:82:fe:dc:69:ae:f3:26:fc:eb:16:43)	Delete
infrastructure@app1.gplusdata.com	(d1:14:65:e4:60:44:f4:3f:14:f6:7b:62:f6:9e:fb:5a)	Delete
infrastructure@db1.gplusdata.com	(c8:ab:06:43:03:83:d6:81:44:fb:0a:03:57:0c:e6:af)	Delete
infrastructure@worker1.gplusdata.com	(1f:21:1d:67:6f:ae:cc:ef:7b:bf:4b:81:82:75:2d:a6)	Delete
infrastructure@app1.pagedatapro.com	(6f:e2:58:e1:2d:14:7d:73:2e:82:b0:4b:46:c8:9a:f2)	Delete
infrastructure@db1.pagedatapro.com	(c8:96:62:e6:48:53:e4:60:8b:84:eb:4c:97:be:01:f2)	Delete
infrastructure@worker1.pagedatapro.com	(9d:3d:fe:b6:ca:06:c1:ca:76:56:cc:b1:8e:54:7e:7d)	Delete
infrastructure@store.appdata.com	(f2:0b:7e:1a:36:b8:4f:2d:71:98:85:93:ba:0b:6b:52)	Delete

- Bind a repo to a server's ssh identity
- Hobbesian in nature