





cobyism

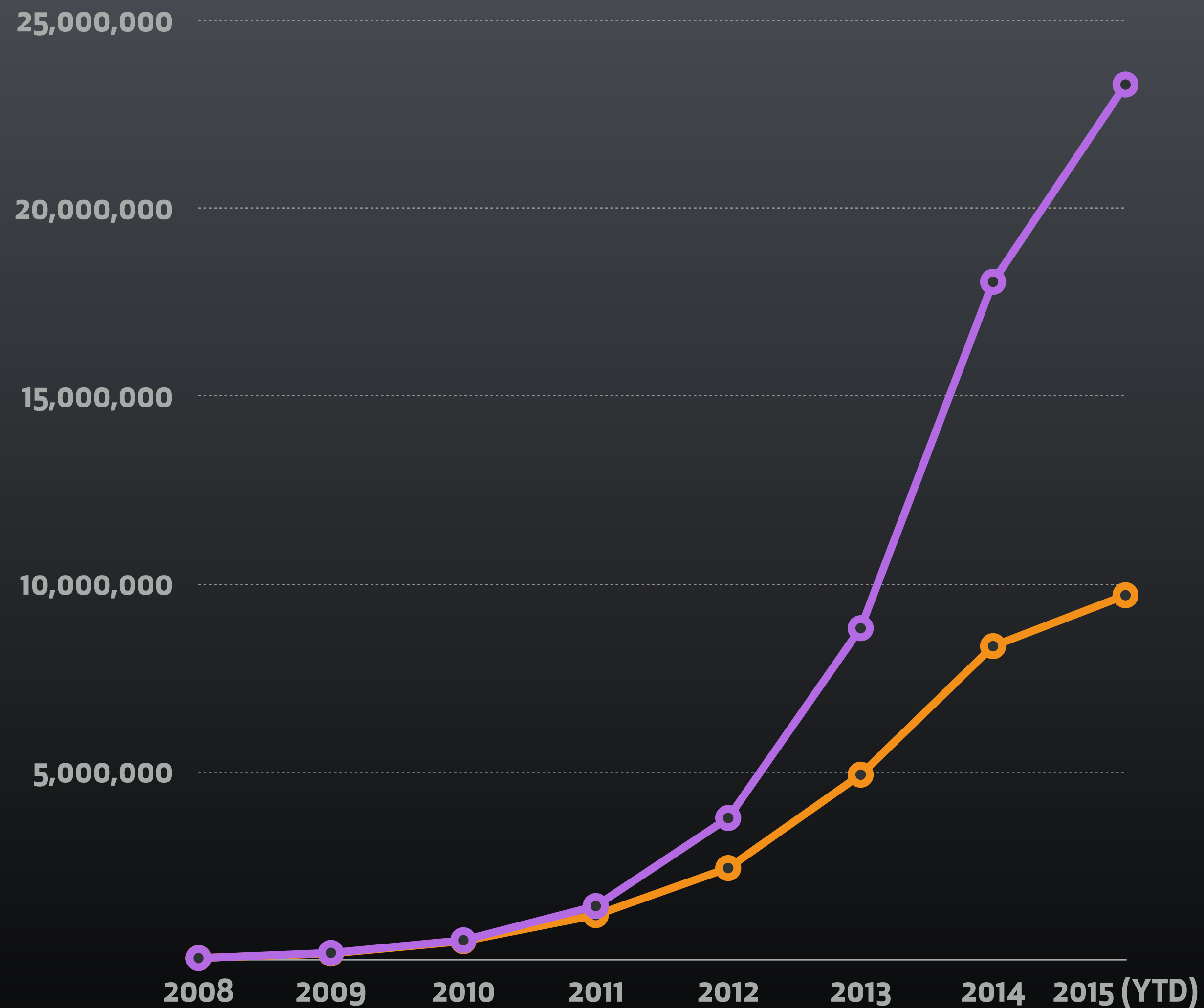
GitHub

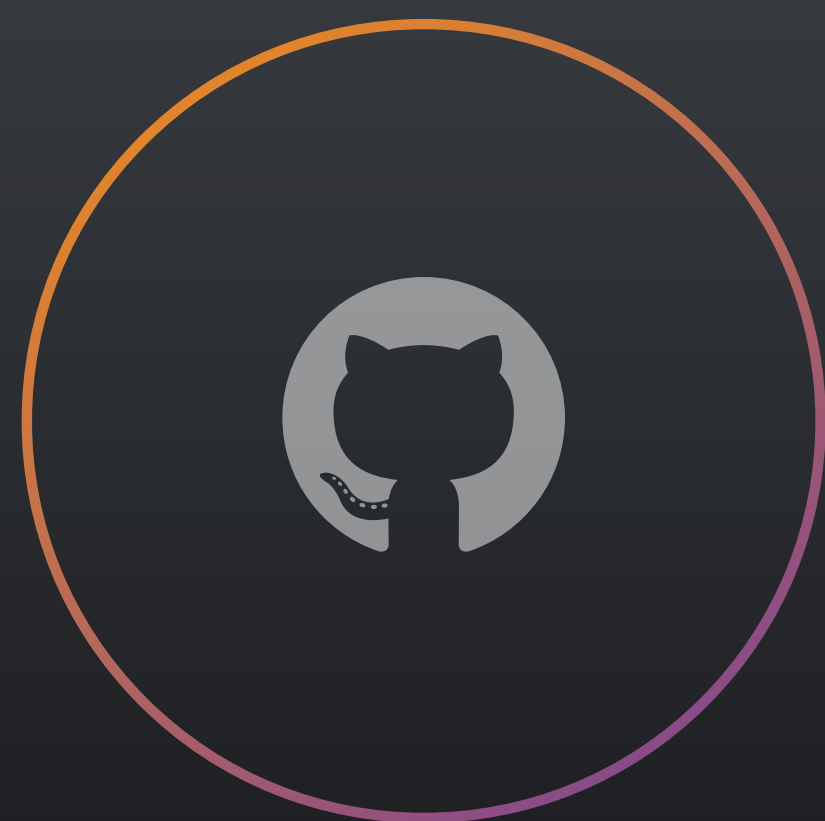
9.7
MILLION

DEVELOPERS ARE
COLLABORATING ON

23.3
MILLION

PROJECTS ON
GITHUB RIGHT NOW



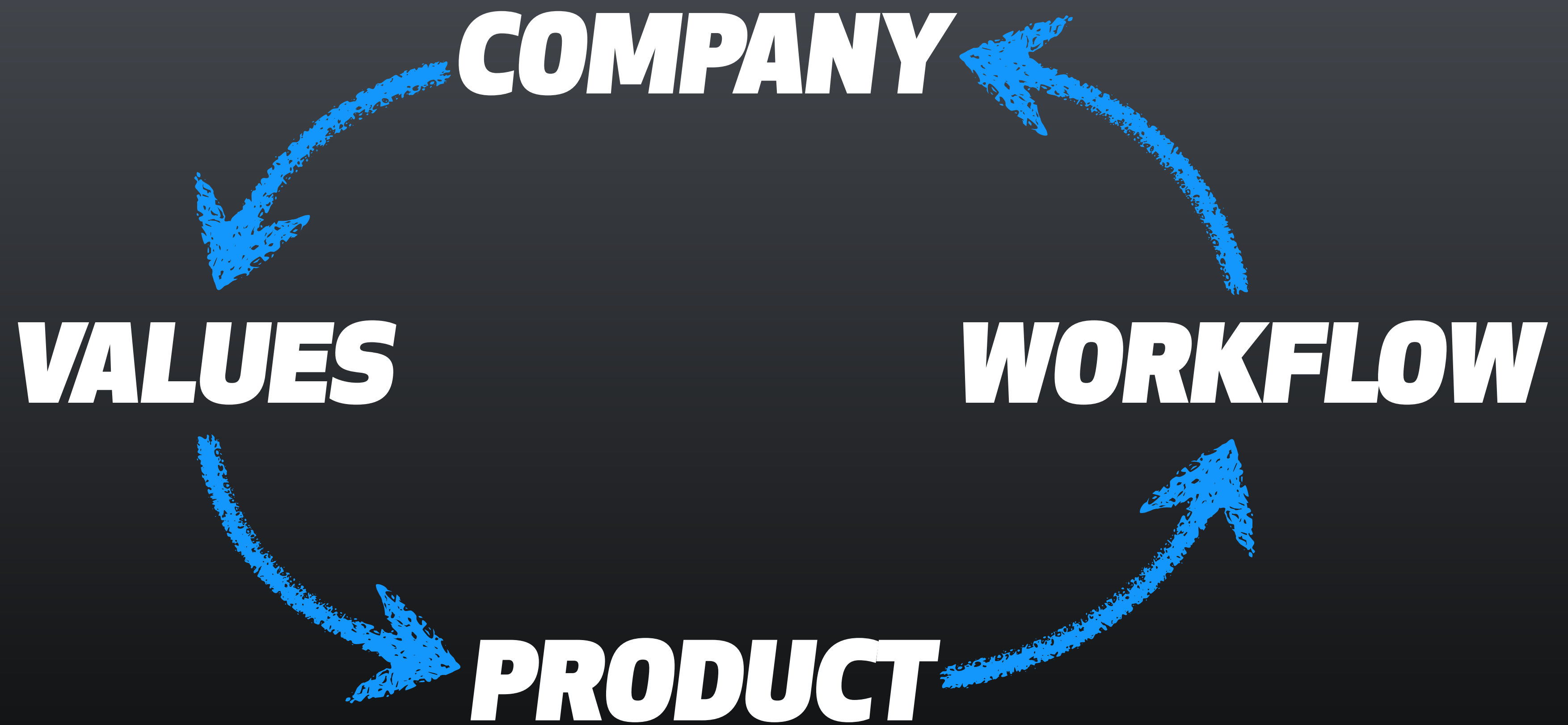


293
Employees



65%
Remote

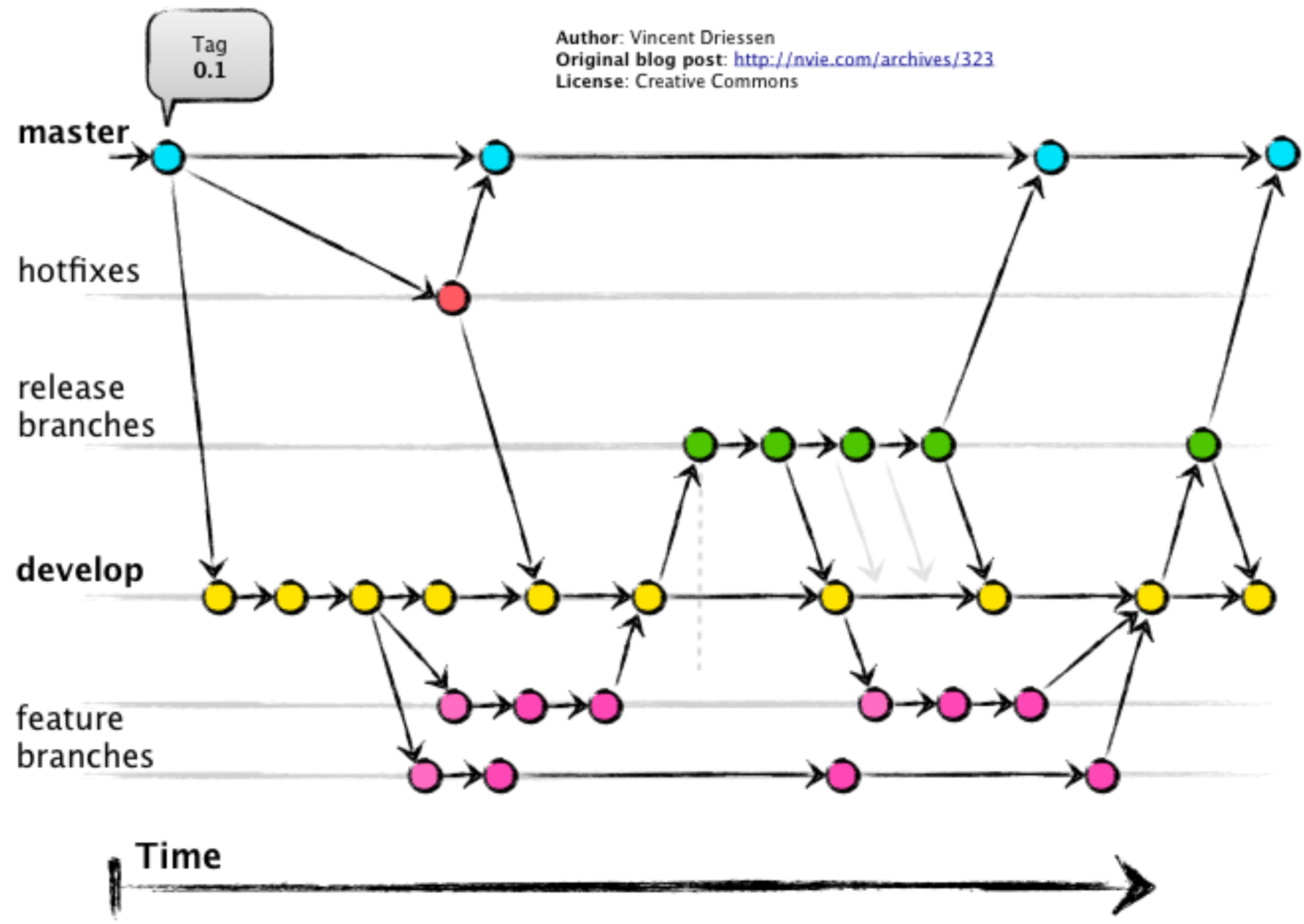




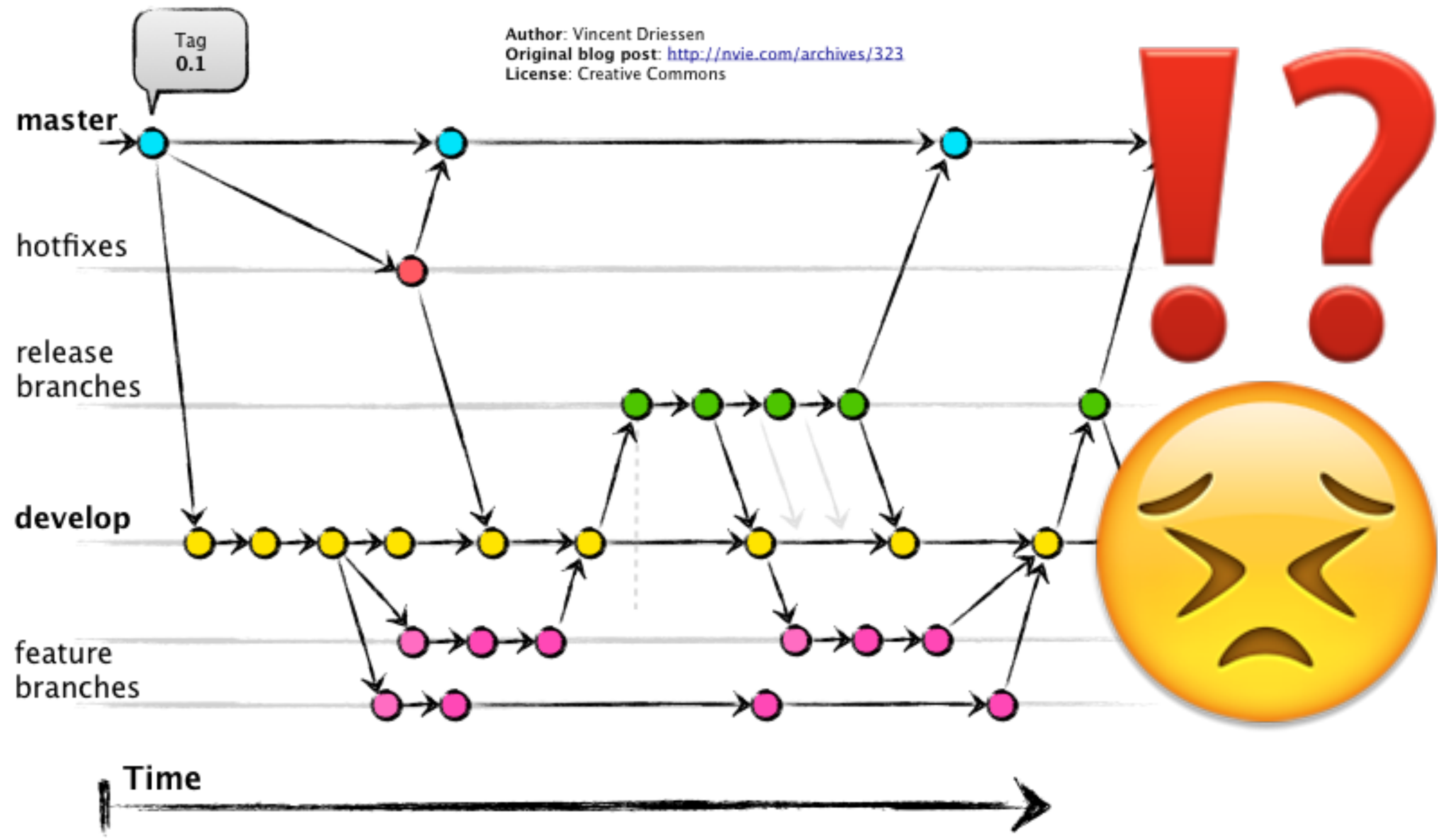


git

Author: Vincent Driessen
Original blog post: <http://nvie.com/archives/323>
License: Creative Commons



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*Use the simplest possible
system that will work
for your team.*

<http://scottchacon.com/2011/08/31/github-flow.html>



Scott Chacon

@schacon // GitHub Co-founder

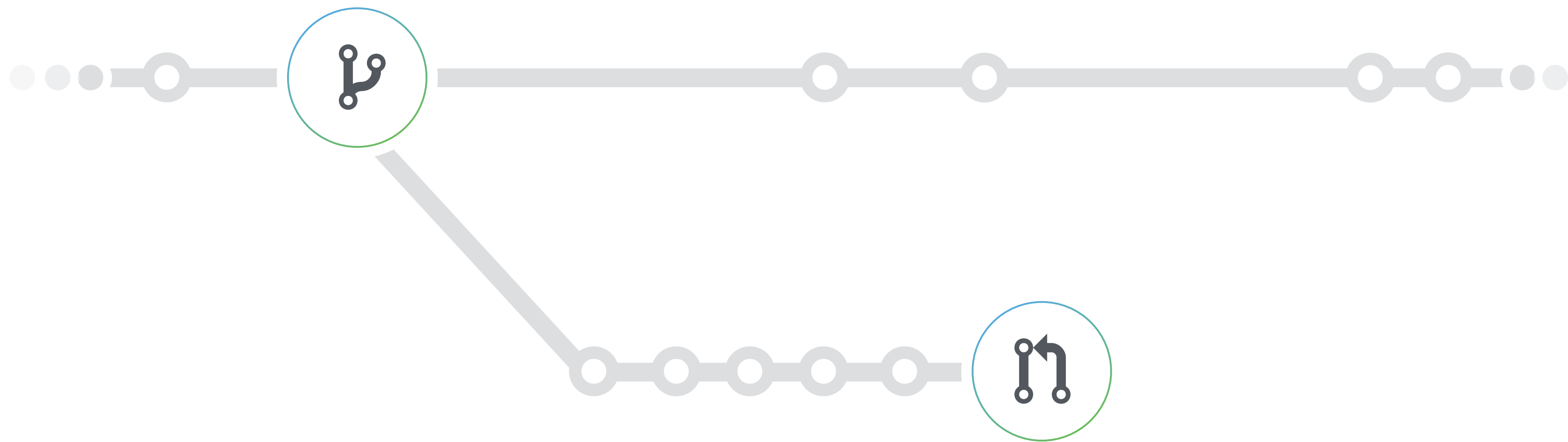
**KEEP IT
SIMPLE**

GIT HUB

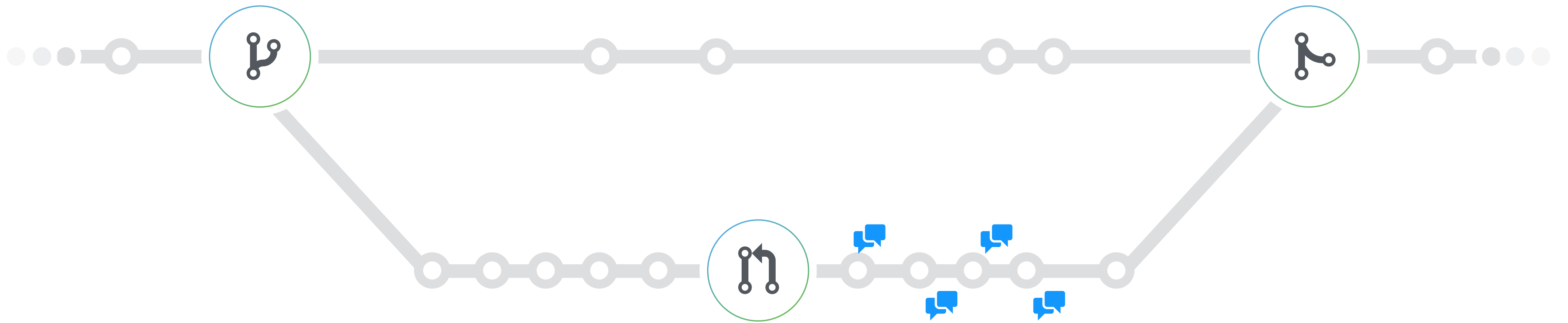
FLOW











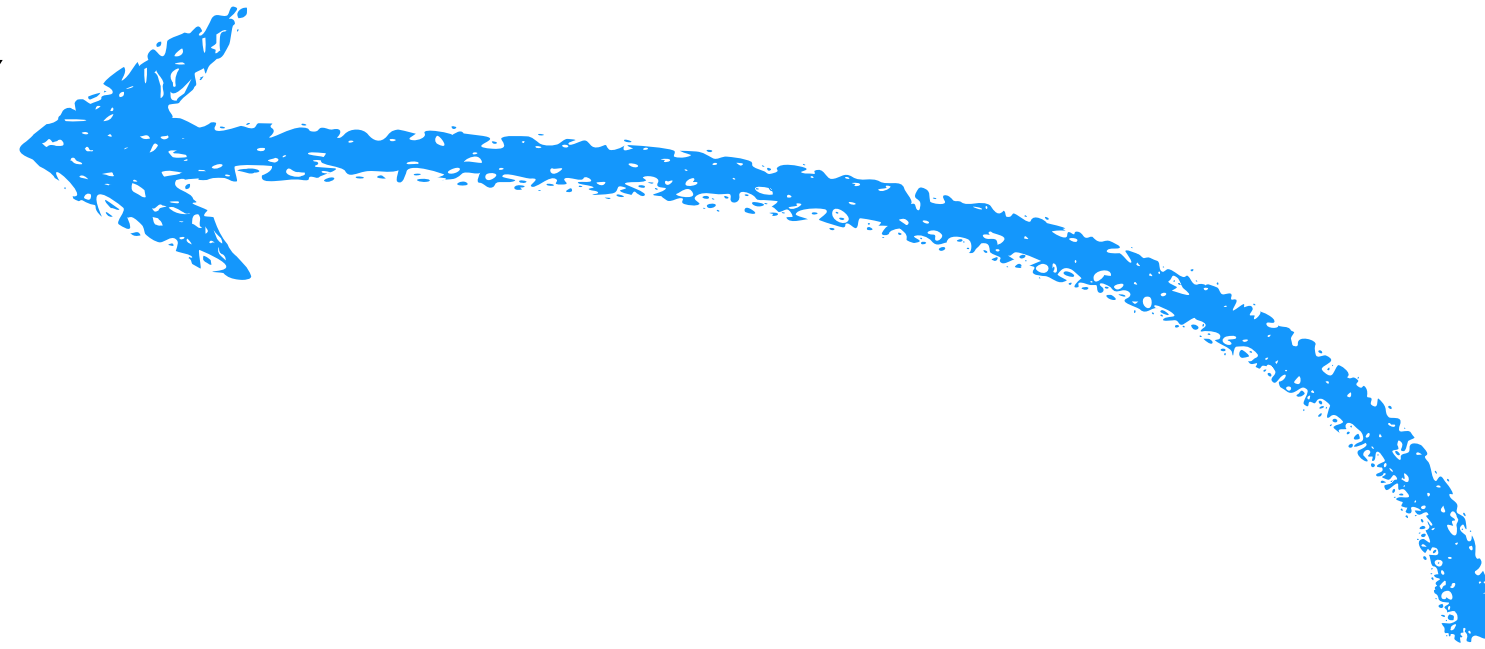
MASTER

**PULL
REQUEST**

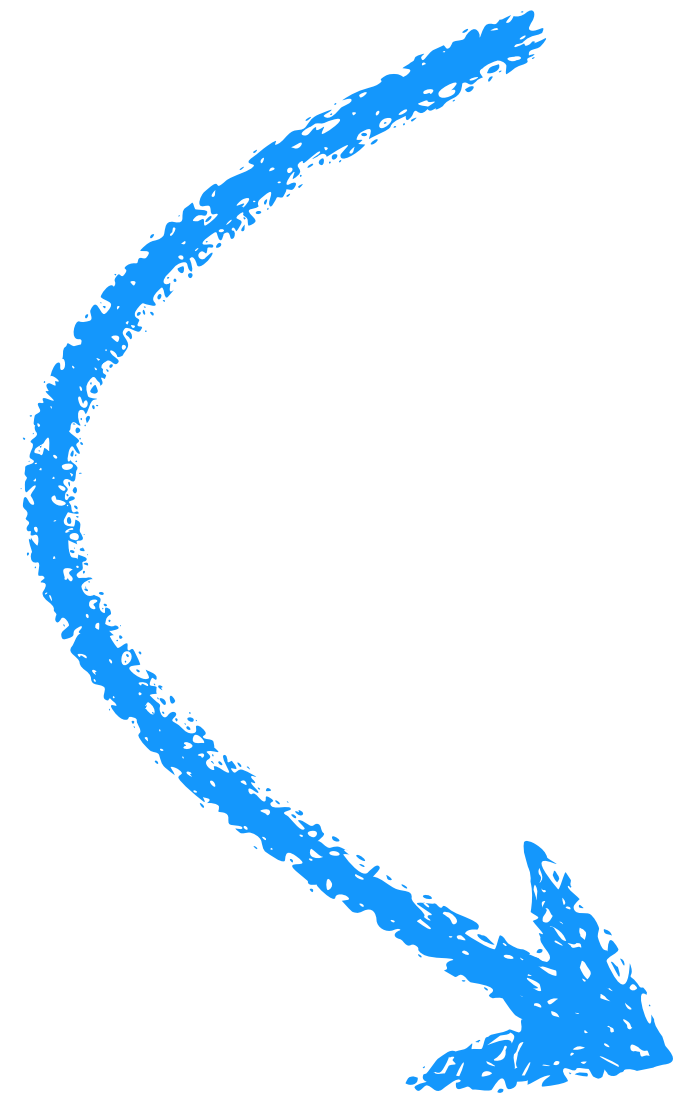
**FEATURE
BRANCH**



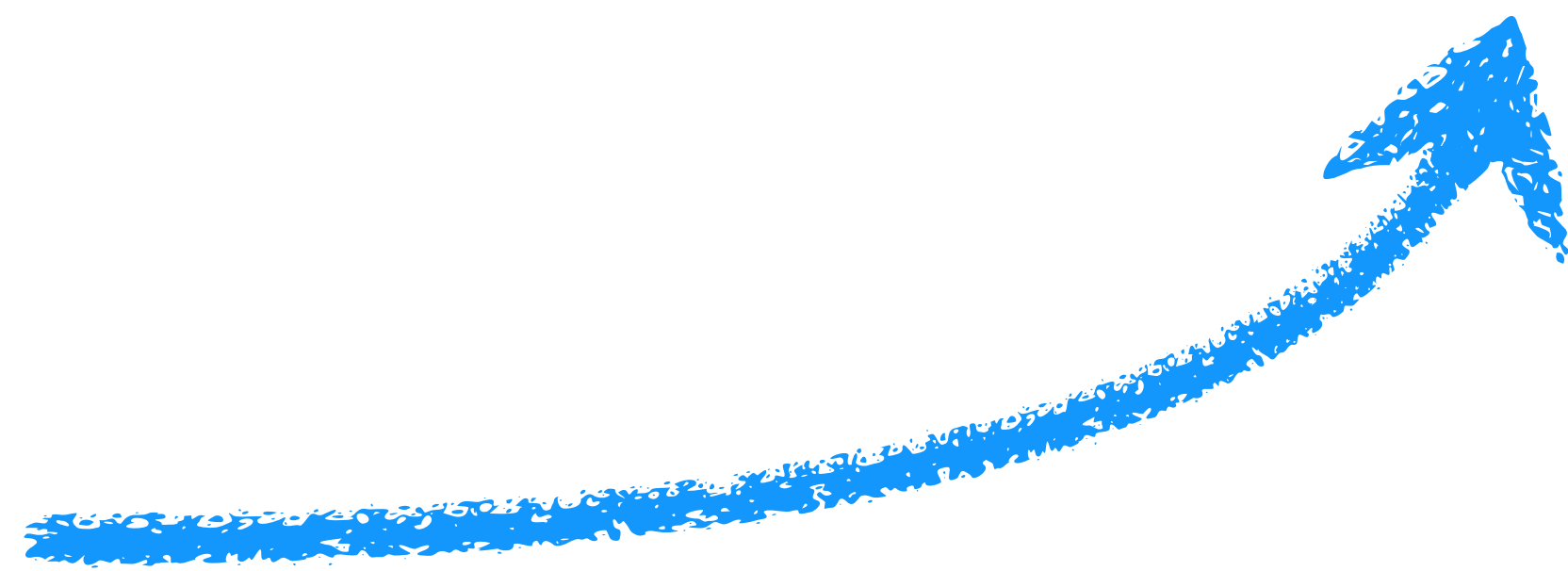
DEPLOY



REVIEW



BUILD



Build, review, deploy. All good development goes through these phases, but GitHub turns it into flow.



Chris Wanstrath

@defunkt // GitHub Co-founder, CEO



★ ***Approachable***

★ ***Lightweight***

★ ***Scalable***



***NOT JUST FOR
SOFTWARE***



github / github



github /

support
blog-posts
product
docs
github
sales
projects
training
community

**COMPANY-WIDE
CONTINUOUS
IMPROVEMENT**

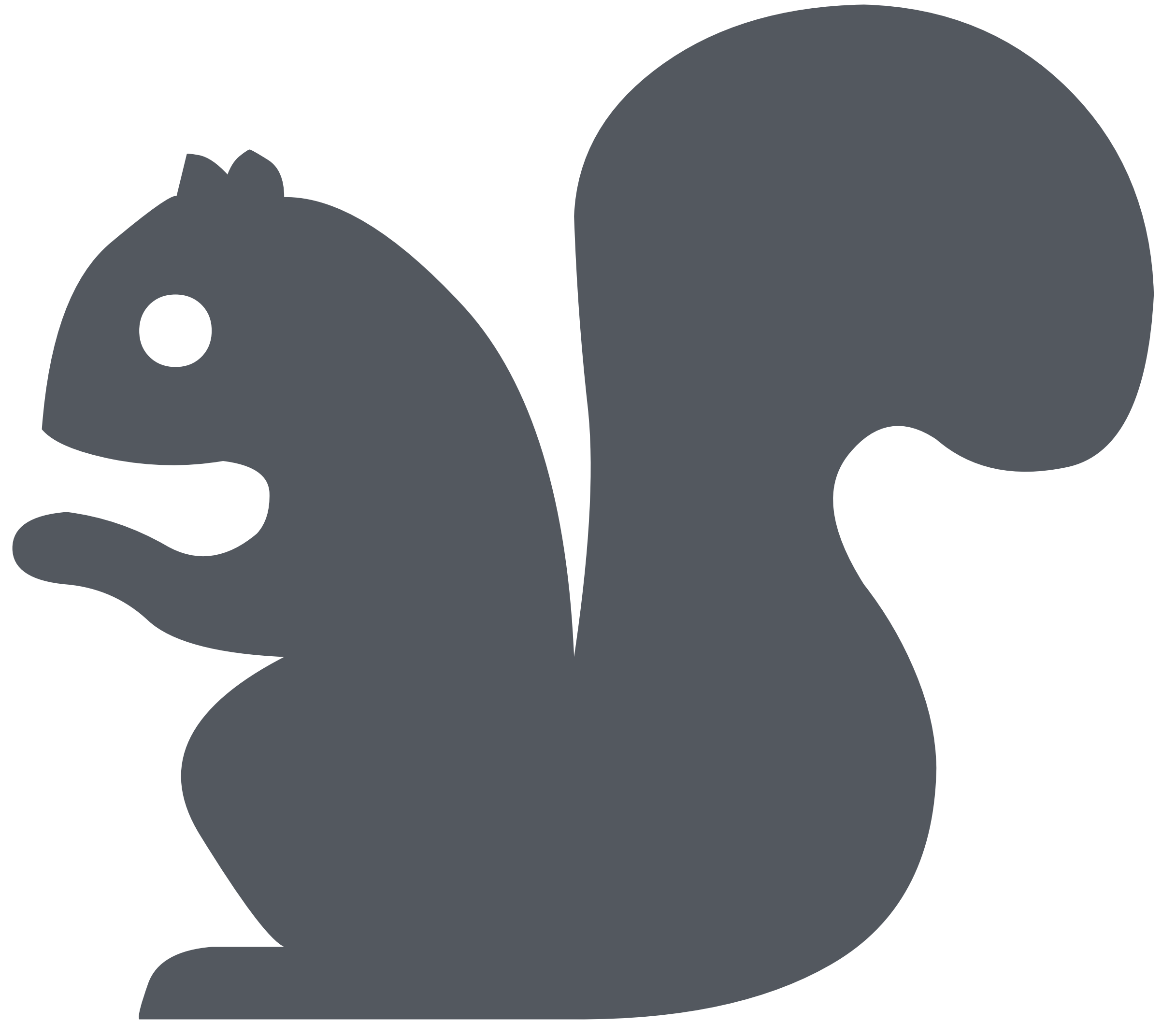
改善

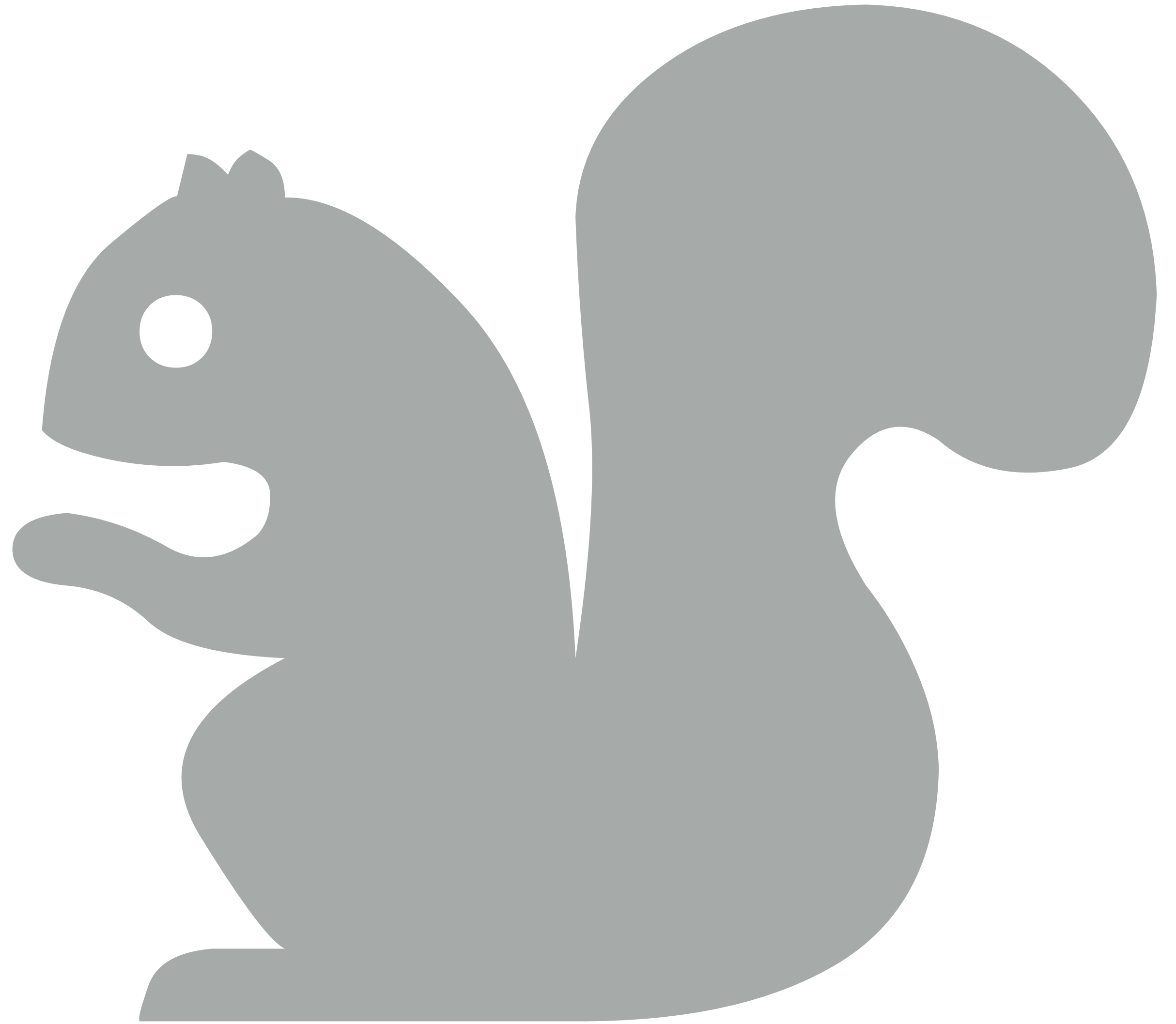
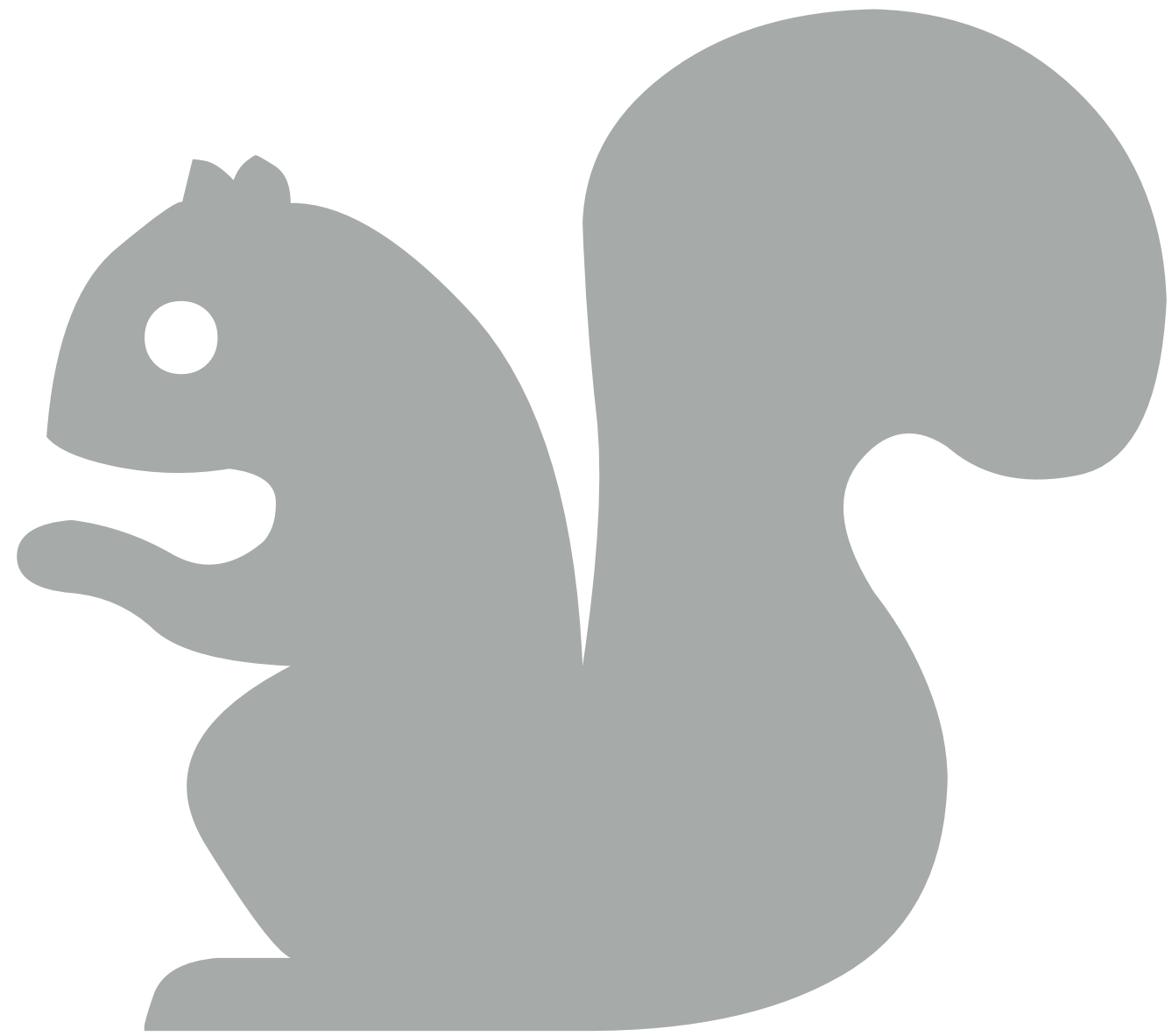
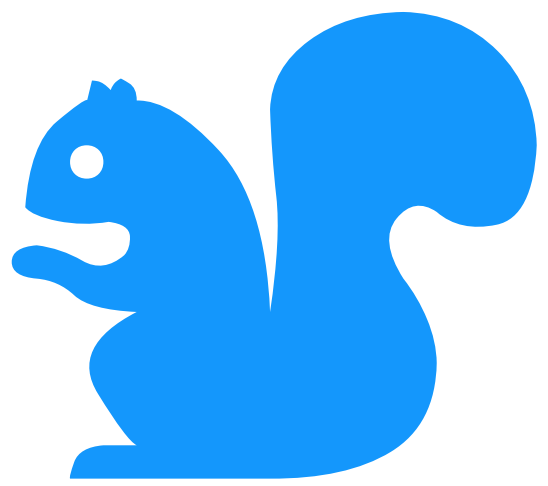
KAIZEN

SHIP IT!



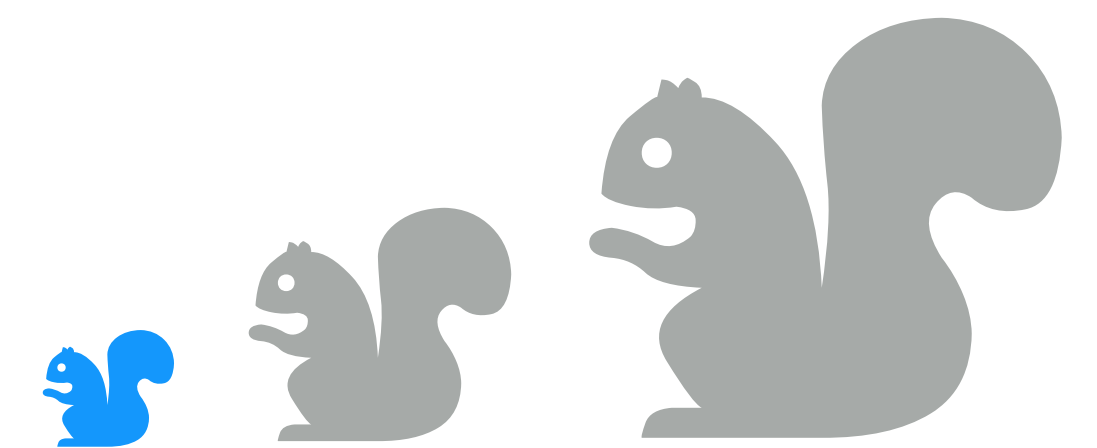
**FEATURE
DEVELOPMENT
AT GITHUB**







New Issue



222 lines (183 sloc) | 5.647 kb

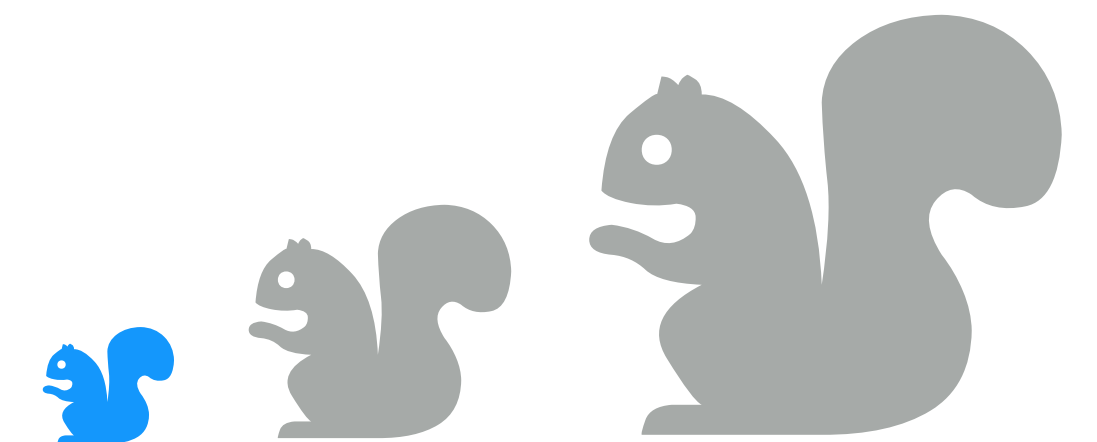
Raw

Blame

History



```
1 class AccountMailer < ApplicationMailer
2   self.mailer_name = "mailers/account"
3
4   def welcome(user)
5     @user = user
6     @image_url = "#{image_base_url}/welcome-email"
7
8     mail(
9       :to => user_email(@user),
10      :from => github,
11      :subject => "#{user.login} + Github = <3"
12    )
13   end
```



222 lines (183 sloc) | 5.647 kb

Raw

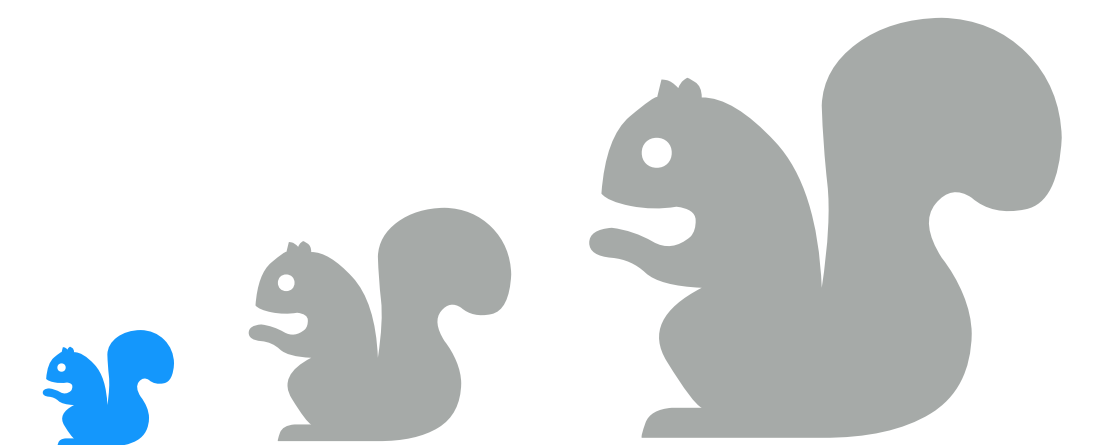
Blame

History

Edit this file



```
1  class AccountMailer < ApplicationMailer
2    self.mailer_name = "mailers/account"
3
4    def welcome(user)
5      @user = user
6      @image_url = "#{image_base_url}/welcome-email"
7
8      mail(
9        :to => user_email(@user),
10       :from => github,
11       :subject => "#{user.login} + Github = <3"
12     )
13   end
```





<> Edit file

Preview changes

Spaces



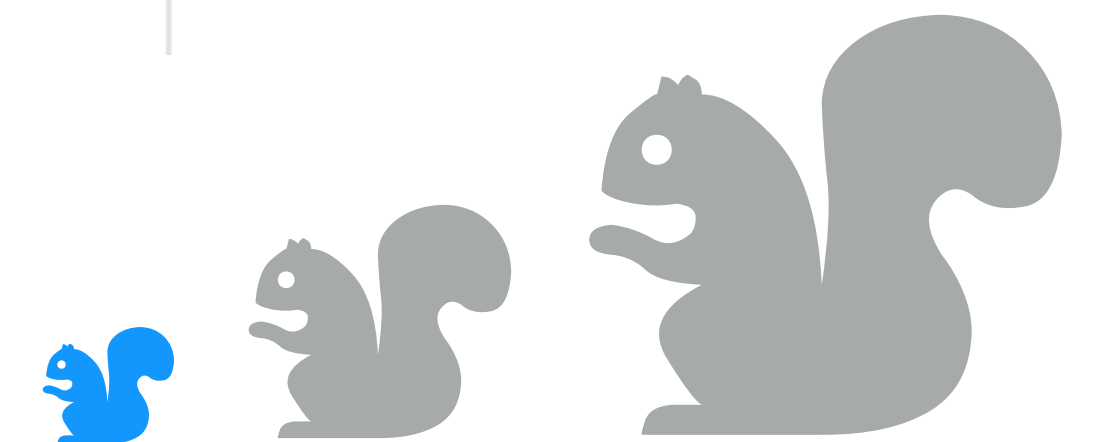
2



No wrap



```
1 class AccountMailer < ApplicationMailer
2   self.mailer_name = "mailers/account"
3
4   def welcome(user)
5     @user = user
6     @image_url = "#{image_base_url}/welcome-email"
7
8     mail(
9       :to => user_email(@user),
10      :from => github,
11      :subject => "#{user.login} + GitHub = <3"
12    )
13   end
```



QUICK PULL REQUEST



Commit changes

Github -> GitHub

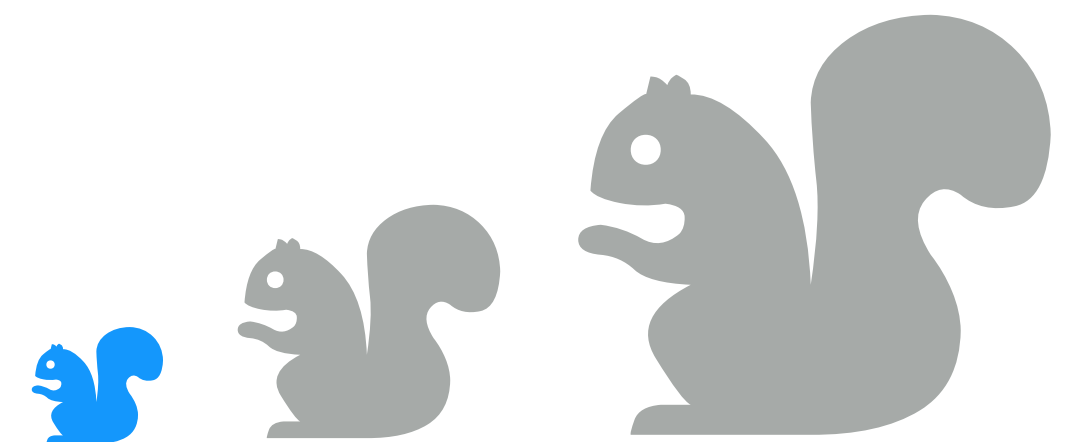
Add an optional extended description...

- Commit directly to the `master` branch
- Create a **new branch** for this commit and start a pull request. [Learn more](#)

`capitalize-github`


Propose file change

Cancel





Open a pull request

The change you just made was written to a new branch named `capitalize-github`. Create a pull request below to propose these changes.

 base: **master** ... compare: **capitalize-github** ✓ Able to merge. These branches can be automatically merged.





Write | Preview  Markdown supported  Edit in fullscreen


Leave a comment

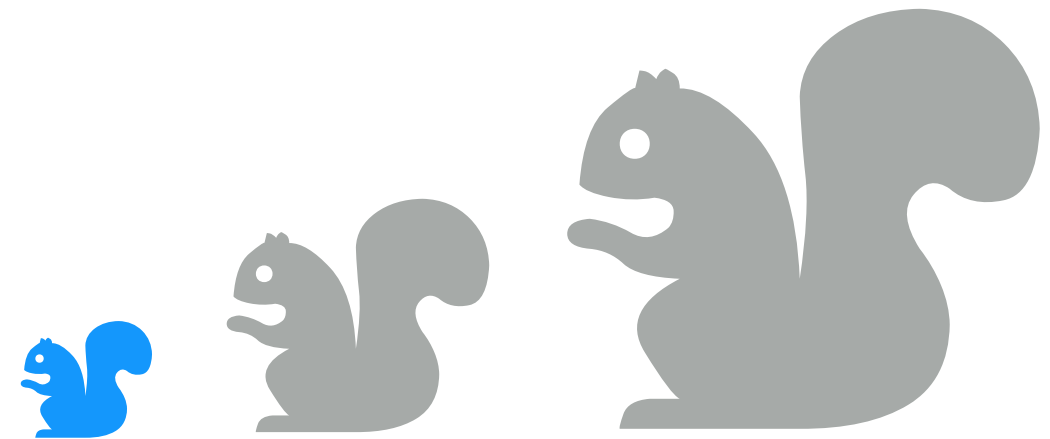
Attach images by dragging & dropping, [selecting them](#), or pasting from the clipboard.

Create pull request

- Labels** 
None yet

- Milestone** 
No milestone


- Assignee** 
No one—assign yourself



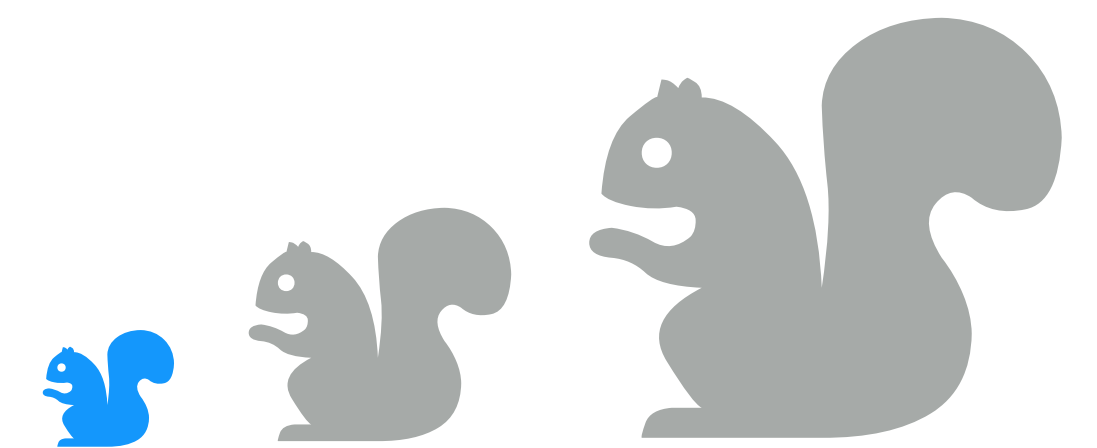
Github -> GitHub #123

 **Open** **cobyism** wants to merge 1 commit into `master` from `capitalize-github`



 Github -> GitHub

 a36f92d



Github -> GitHub #123

 **Open** **cobyism** wants to merge 1 commit into `master` from `capitalize-github`

  Github -> GitHub

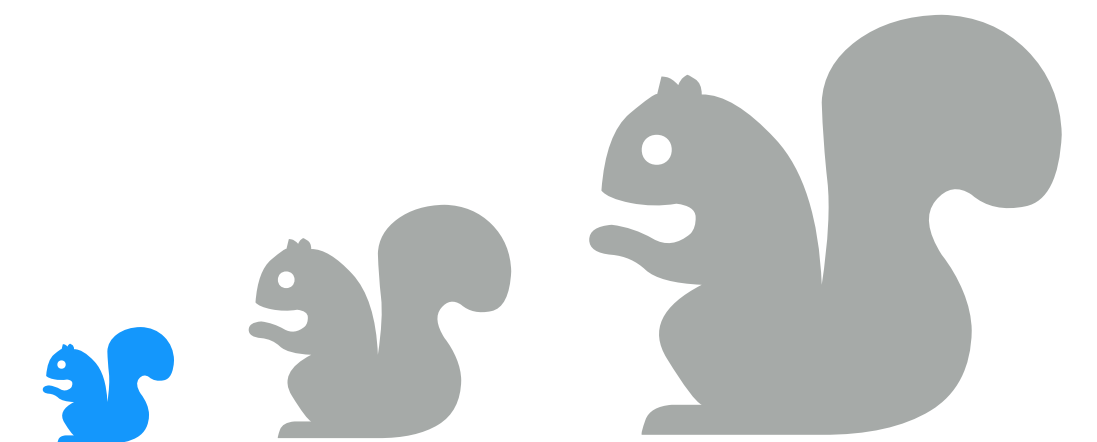
 a36f92d



rsanheim commented 17 minutes ago

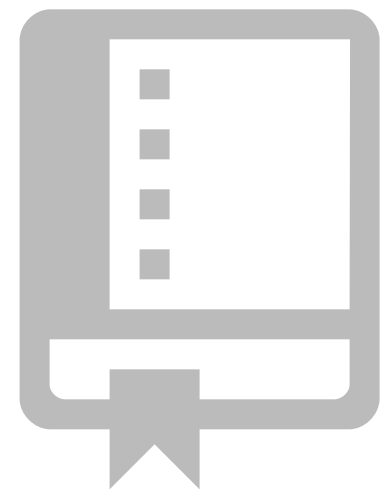


@cobyism 👍 🧐 ✨

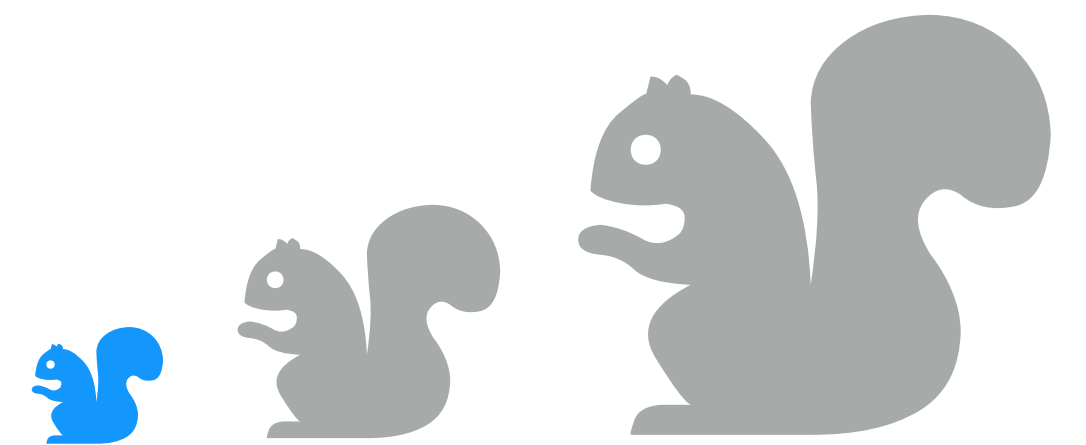




HUBOT



github / hubot





cobyism

/where can i deploy github



Hubot

Deployment status for github:

production: unlocked

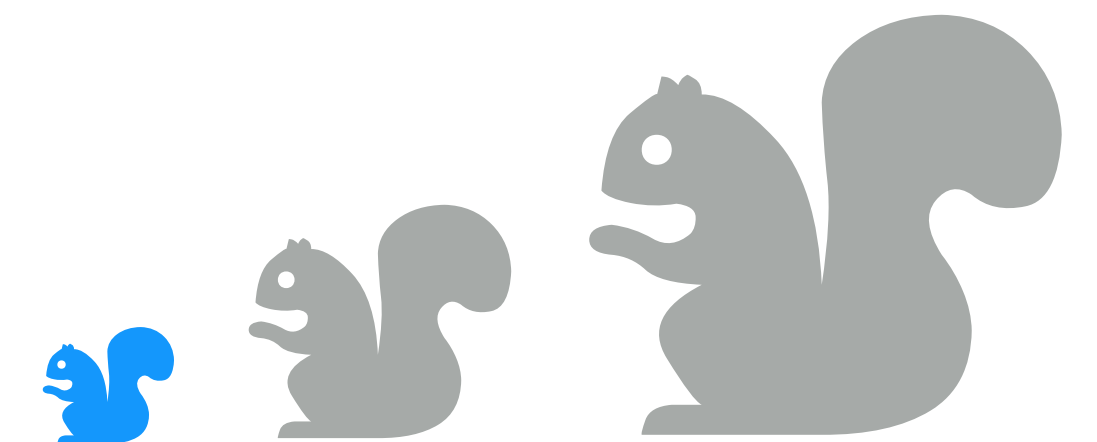
lab: locked 15 minutes ago by tmm1: testing the git-repld-reconcile-full-resync branch

garage: unlocked

spider-skull-island: locked 13 minutes ago by grantr: testing the code-search-docvalues branch

machine-room: locked 20 hours ago by charliesome: testing the upgrade-route-syntax branch

branch-lab: always available





cobyism

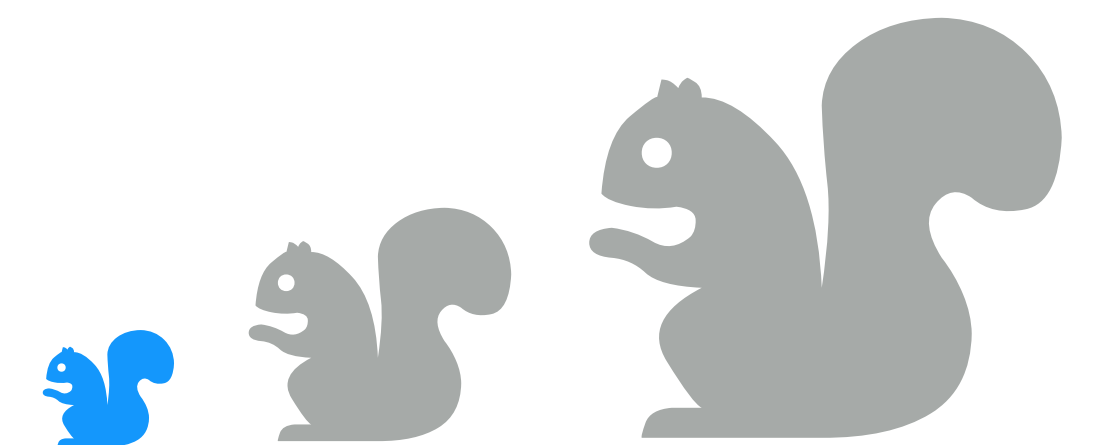
/deploy github/capitalize-github to production

```
- Auto-merged master into capitalize-github on deployment - Coby Chapple ( github/github@02eaab2 )  
Build #2077391 (02eaab2) of github/capitalize-github was successful (97s, queued 0s)  
Build #2077392 (02eaab2) of enterprise/capitalize-github was successful (106s, queued 0s)  
cobyism is deploying github/capitalize-github (02eaab2) to production.  
cobyism's production deployment of github/capitalize-github (02eaab2) is done! (100s)
```



Hubot

cobyism, make sure you watch for exceptions [in haystack](#) and perf issues at [graphme](#)



Github -> GitHub #123

 **Open**

cobyism wants to merge 1 commit into `master` from `capitalize-github`

  Github -> GitHub

 a36f92d



rsanheim commented 17 minutes ago

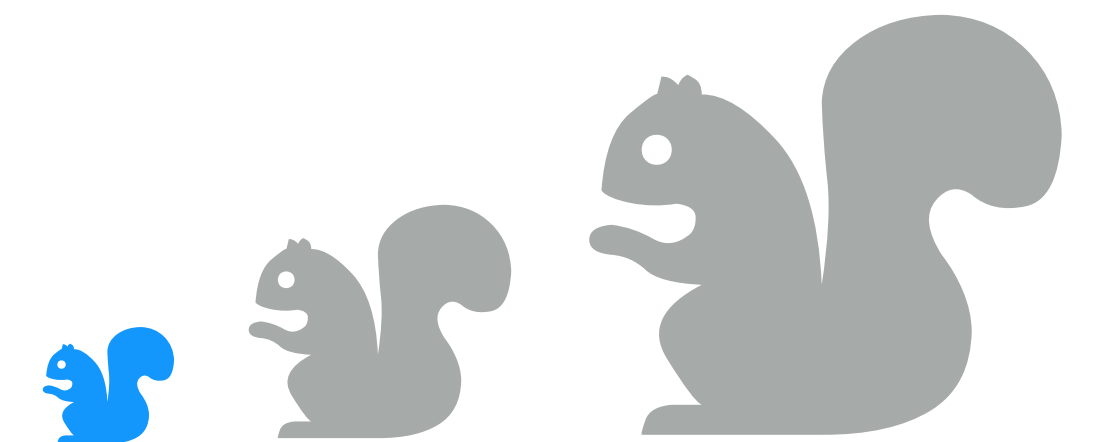


@cobyism 👍 🧐 ✨

 **cobyism** added some commits 15 minutes ago

  Auto-merged master into capitalize-github on deployment

 02eaab2



Github -> GitHub #123

 **Open**

cobyism wants to merge 1 commit into `master` from `capitalize-github`

  Github -> GitHub

 a36f92d



rsanheim commented 17 minutes ago



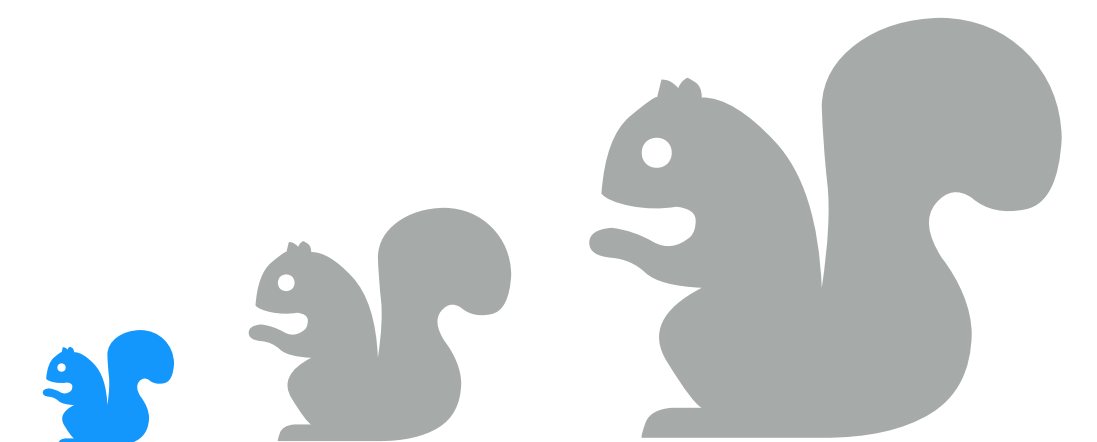
@cobyism 👍 🧐 ✨

 **cobyism** added some commits 15 minutes ago

  Auto-merged master into capitalize-github on deployment

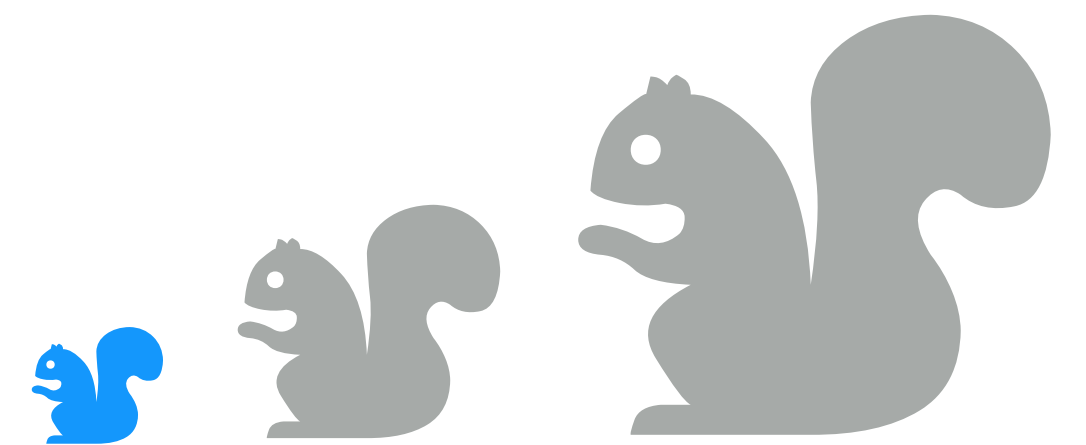
 02eaab2

  **cobyism** [deployed](#) to production 12 minutes ago





Merge Pull Request



Github -> GitHub #123

 **Open**

cobyism wants to merge 1 commit into `master` from `capitalize-github`

  Github -> GitHub

 a36f92d



rsanheim commented 17 minutes ago



@cobyism 👍 🧐 ✨

 **cobyism** added some commits 15 minutes ago

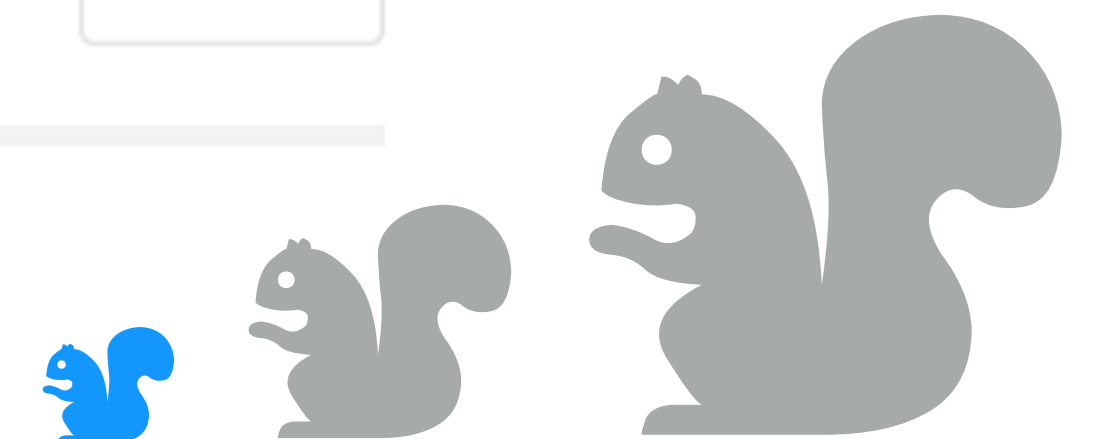
  Auto-merged master into capitalize-github on deployment

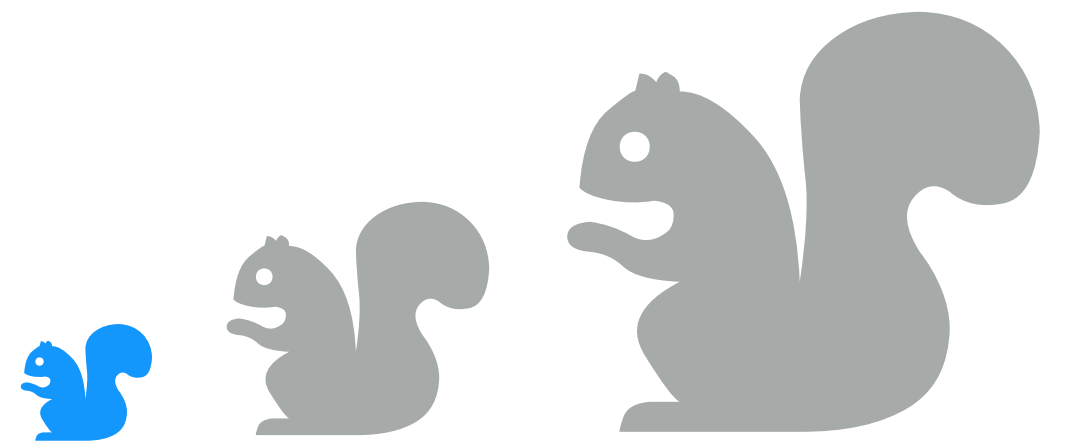
 02eaab2

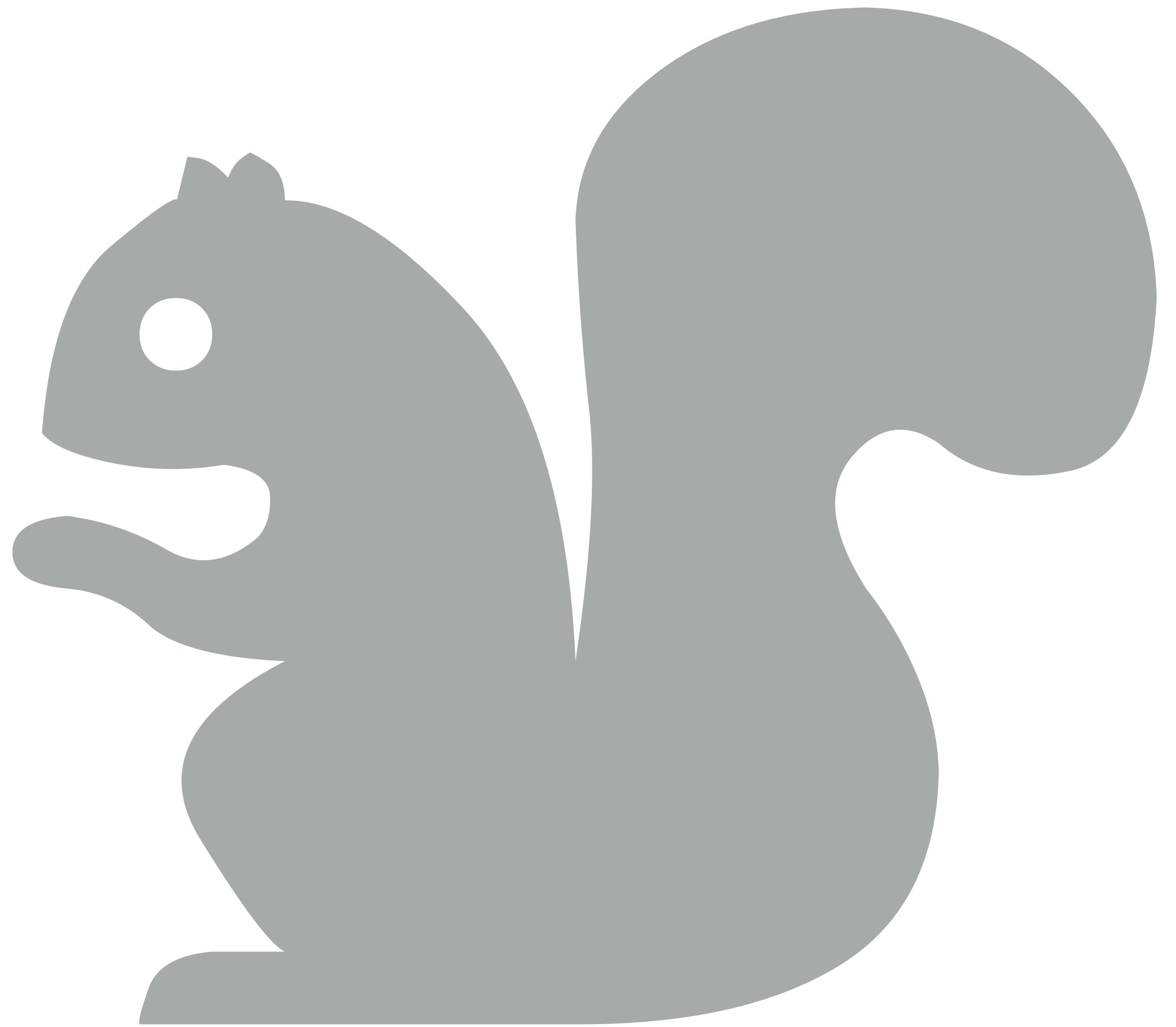
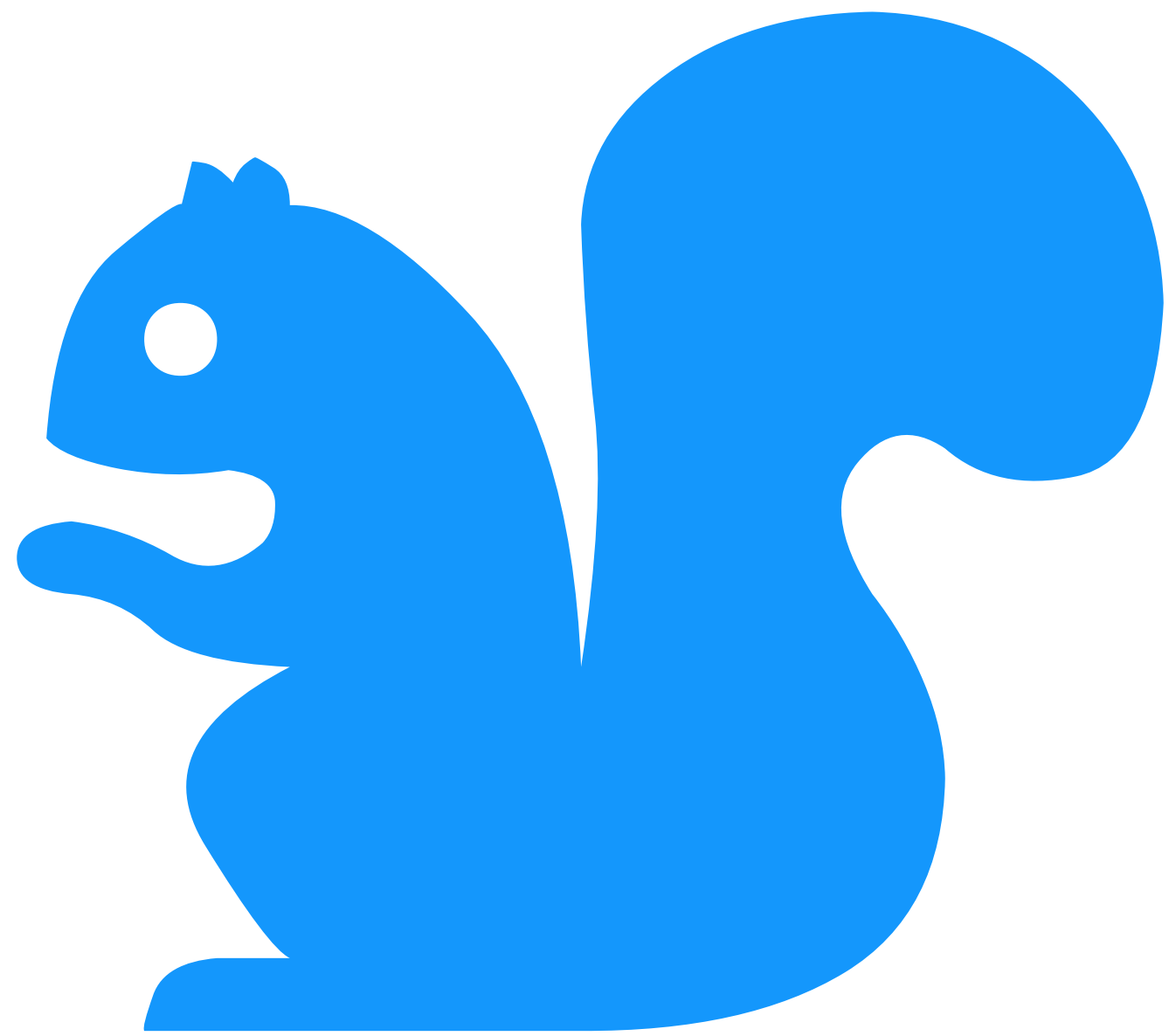
  **cobyism** [deployed](#) to production 12 minutes ago

  **cobyism** merged commit `40c5ea0` into `master` 2 minutes ago

[Revert](#)







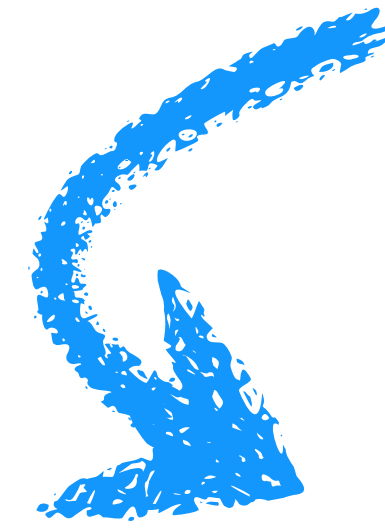
MASTER



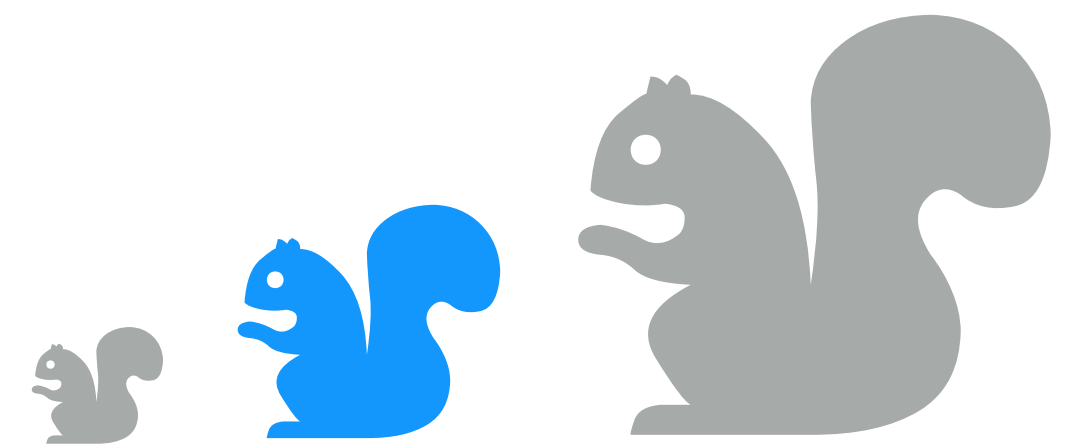
**PULL
REQUEST**



**FEATURE
BRANCH**



**LOCAL
DEVELOPMENT**





cobyism

/where can i deploy github

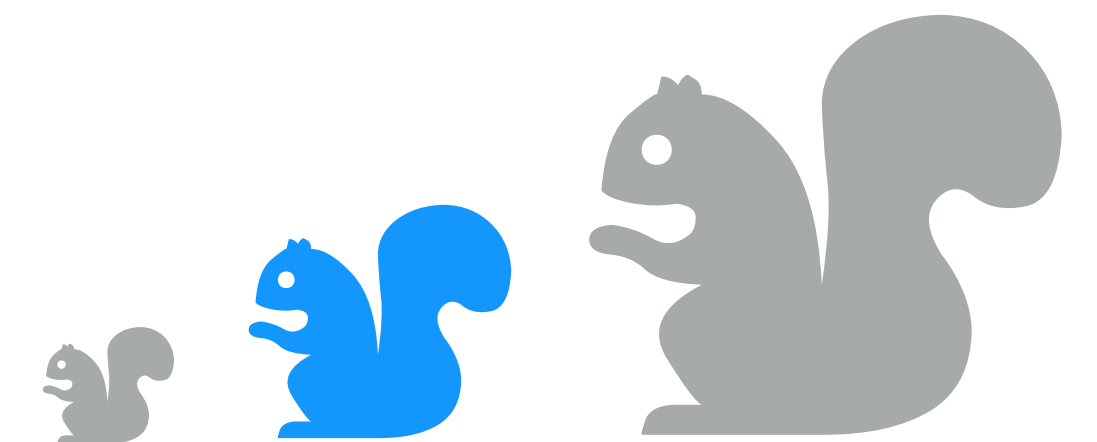


Hubot

Deployment status for github:

production: locked 42 seconds ago by grantr: testing the code-search-docvalues branch
lab: locked 15 minutes ago by tmm1: testing the git-repld-reconcile-full-resync branch
garage: unlocked
spider-skull-island: locked 13 minutes ago by grantr: testing the code-search-docvalues branch
machine-room: locked 20 hours ago by charliesome: testing the upgrade-route-syntax branch
branch-lab: always available

The queue for production has 1 person waiting.





cobyism

/where can i deploy github

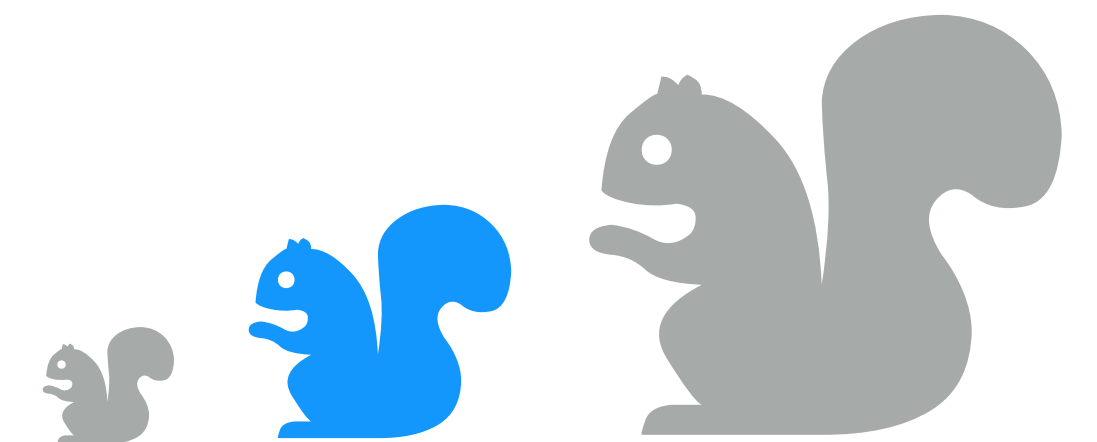


Hubot

Deployment status for github:

```
-----  
production: locked 42 seconds ago by grantr: testing the code-search-docvalues branch  
lab: locked 15 minutes ago by tmm1: testing the git-repld-reconcile-full-resync branch  
garage: unlocked  
spider-skull-island: locked 13 minutes ago by grantr: testing the code-search-docvalues branch  
machine-room: locked 20 hours ago by charliesome: testing the upgrade-route-syntax branch  
branch-lab: always available
```

The queue for production has 1 person waiting.





cobyism

/where can i deploy github

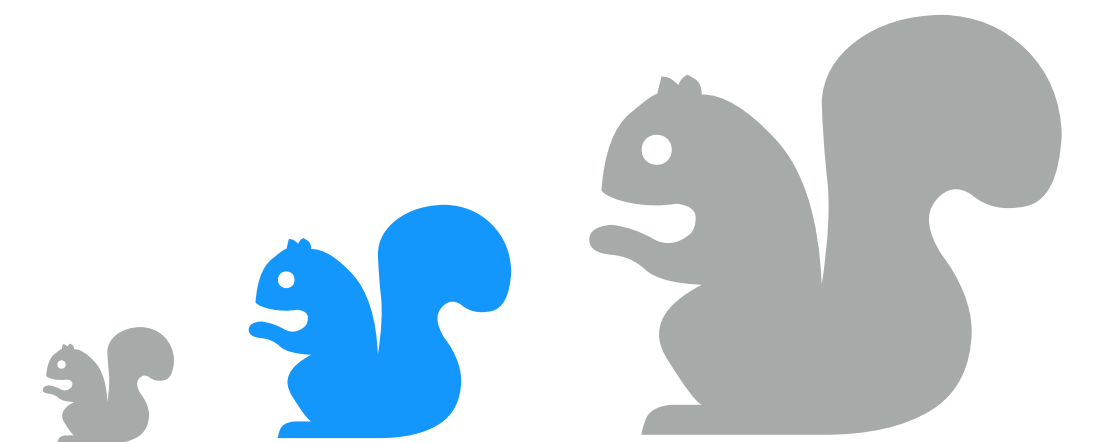


Hubot

Deployment status for github:

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machine-room: locked 20 hours ago by charliesome: testing the upgrade-route-syntax branch
branch-lab: always available

The queue for production has 1 person waiting.





cobyism

/deploy github/my-feature to branch-lab

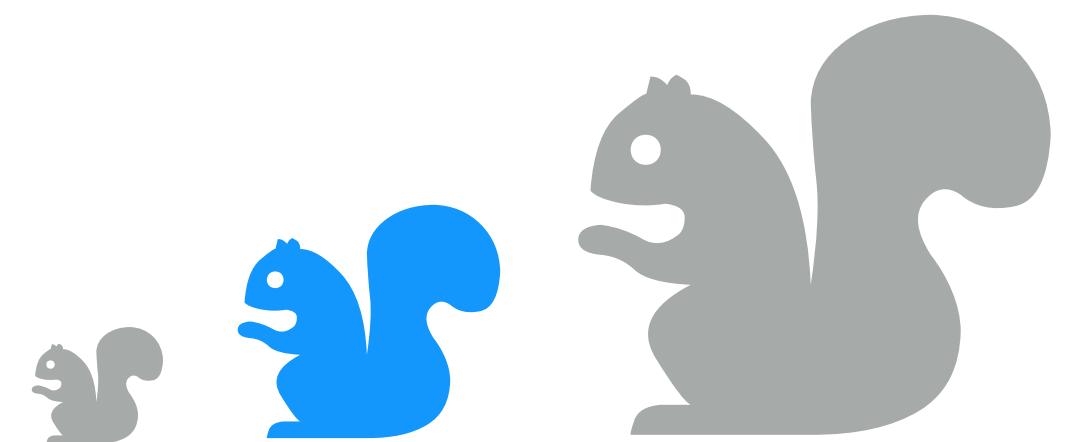
cobyism is **deploying** github/my-feature (**feedface**) to branch-lab. Review the **deployment checklist** before deploying to production.

cobyism's branch-lab deployment of github/my-feature (feedface) is done! (22s)



Hubot

cobyism: your branch-lab is available at <https://my-feature.branch.github.com>





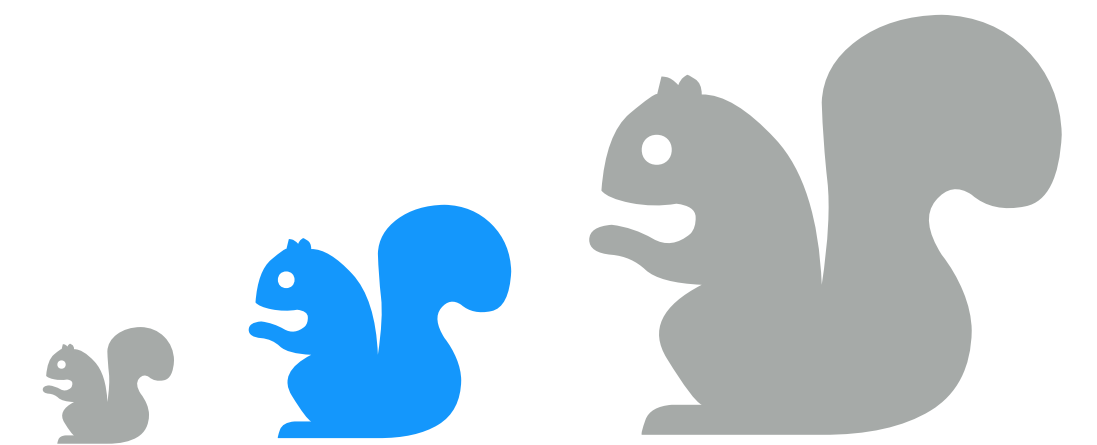
cobyism

/branch-lab list



Hubot

branch-lab (9 branches, disk: 14G used + 91G free, mem: 3G free)			
octicons-playground	aaronshekey	2 hours ago	https://octicons-playground.branch.g
move-audit-log	amosie	5 hours ago	https://move-audit-log.branch.githu
nh-audit-log-docs	nickh	5 hours ago	https://nh-audit-log-docs.branch.gi
show-lfs-even-if-over	tclem	6 hours ago	https://show-lfs-even-if-over.branch
js-clone-selector	dgraham	7 hours ago	https://js-clone-selector.branch.gi
clear-user-session-for-oauth	ptoomey3	7 hours ago	https://clear-user-session-for-oauth
remove-wizard	amosie	11 hours ago	https://remove-wizard.branch.github
mobile-file-finder	tmm1	18 hours ago	https://mobile-file-finder.branch.g
ship-header-nav	mdo	22 hours ago	https://ship-header-nav.branch.githu





cobyism

/where can i deploy github

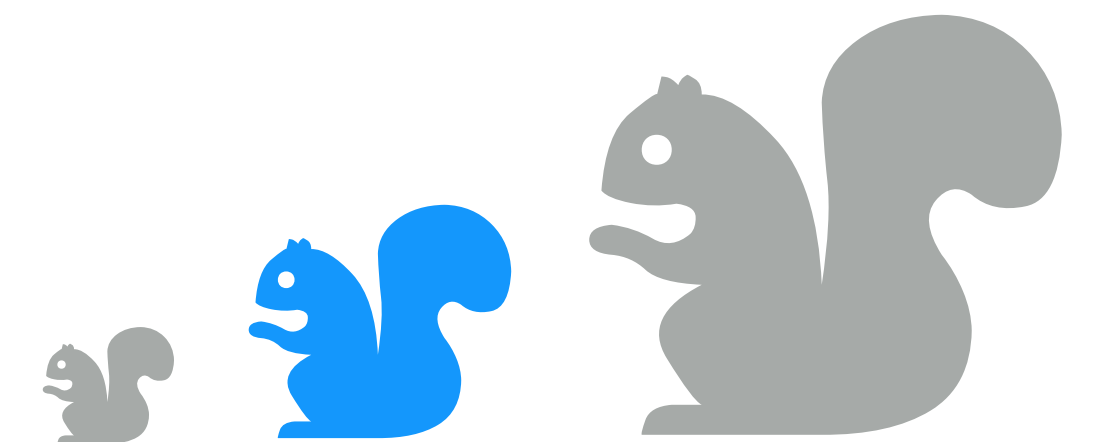


Hubot

Deployment status for github:

```
-----  
production: locked 42 seconds ago by grantr: testing the code-search-docvalues branch  
lab: locked 15 minutes ago by tmm1: testing the git-repld-reconcile-full-resync branch  
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machine-room: locked 20 hours ago by charliesome: testing the upgrade-route-syntax branch  
branch-lab: always available
```

The queue for production has 1 person waiting.



**WHY SO MANY
OPTIONS?**



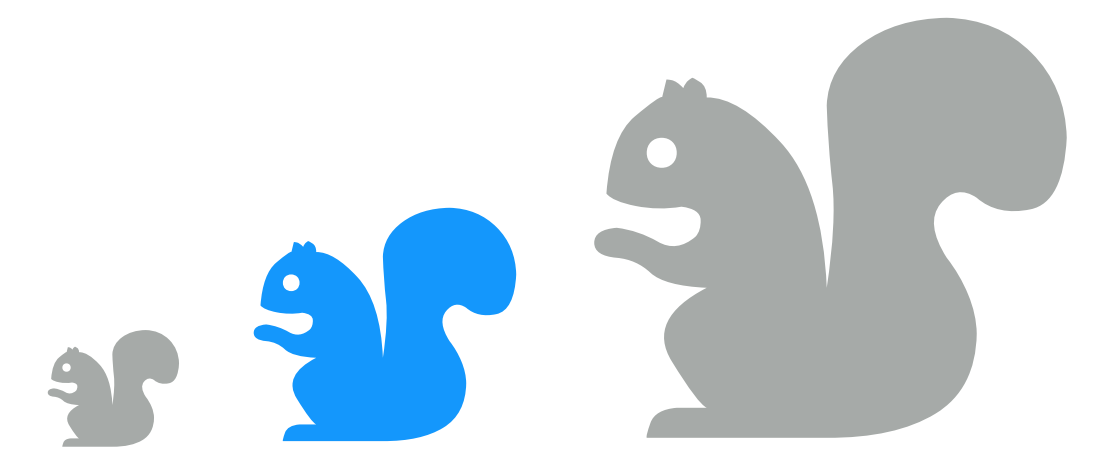
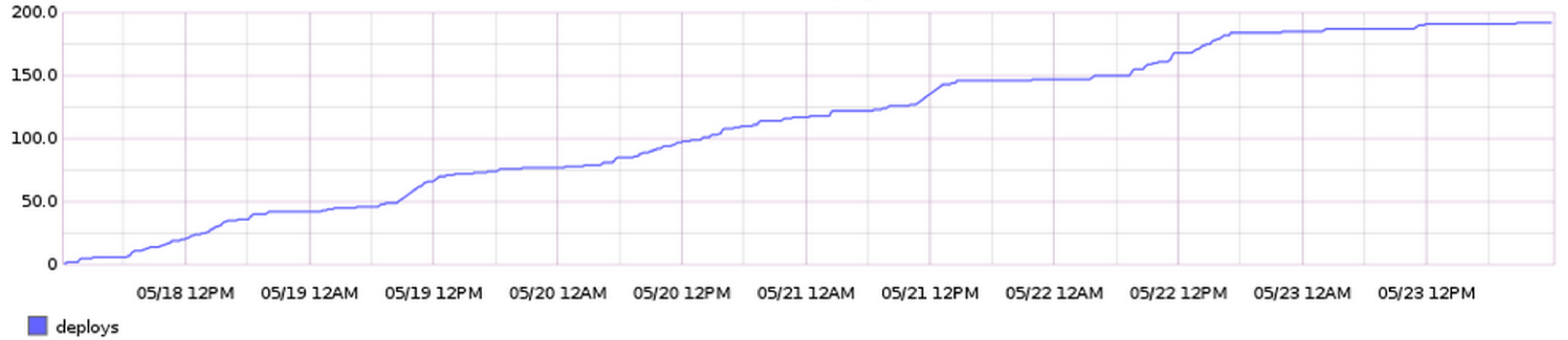
cobyism

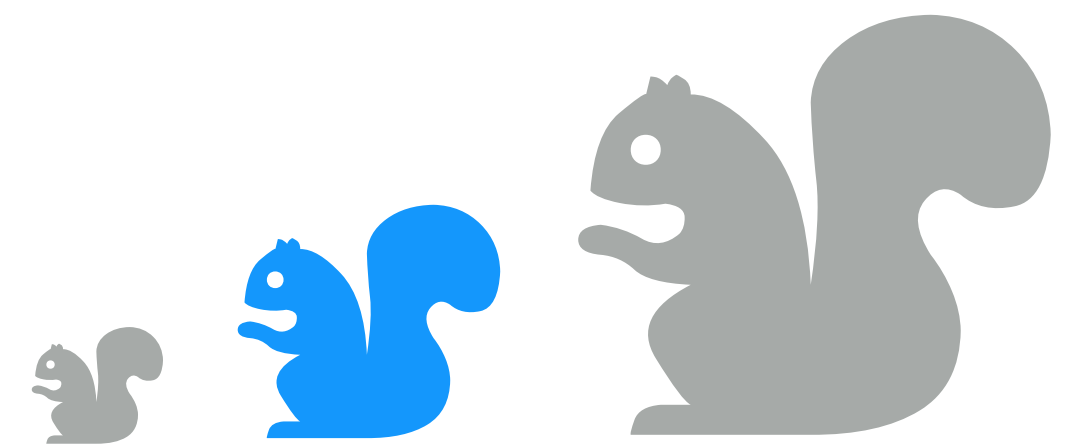
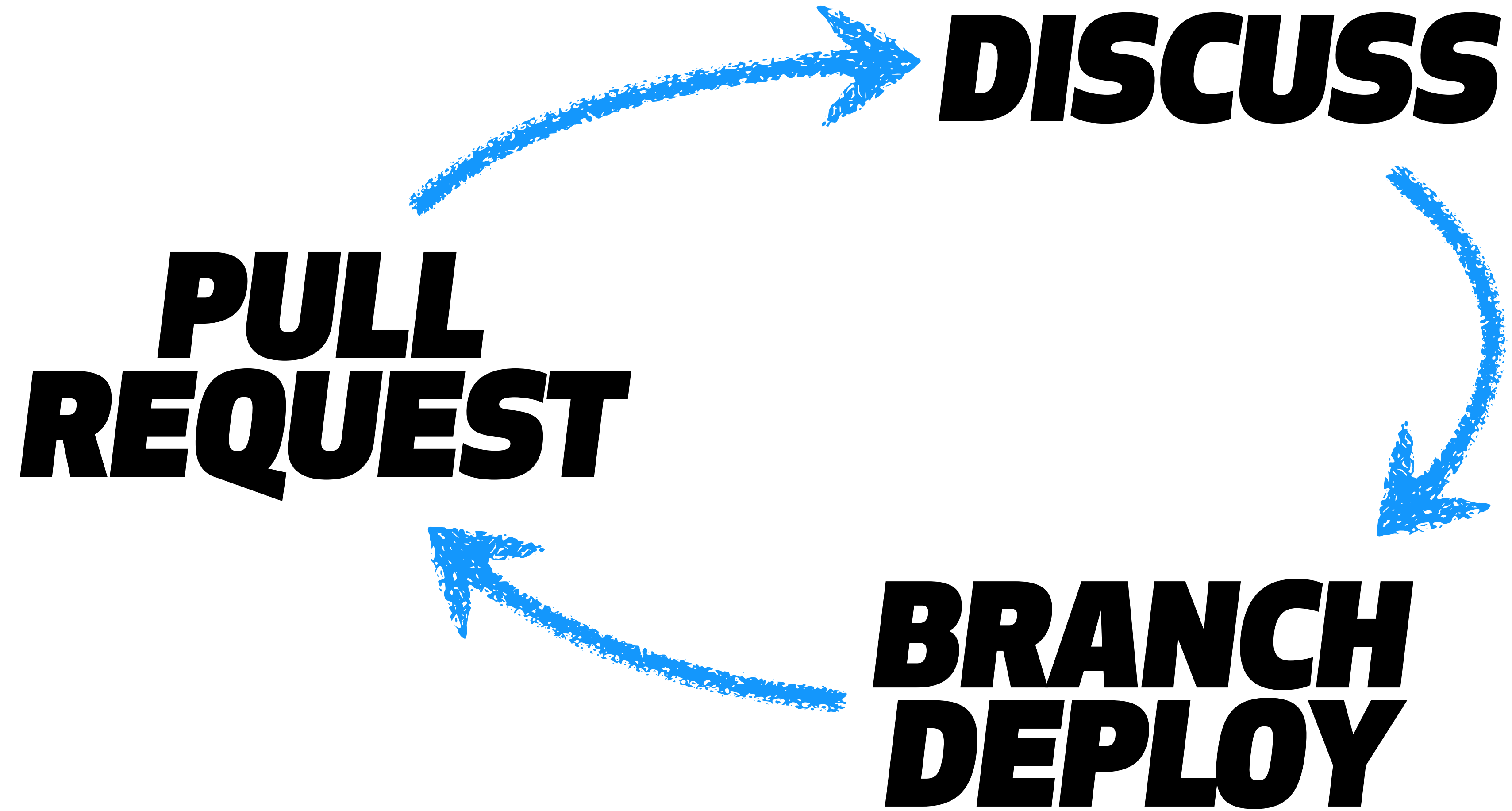
/graph me 20150518..20150524 @github.deploys.total

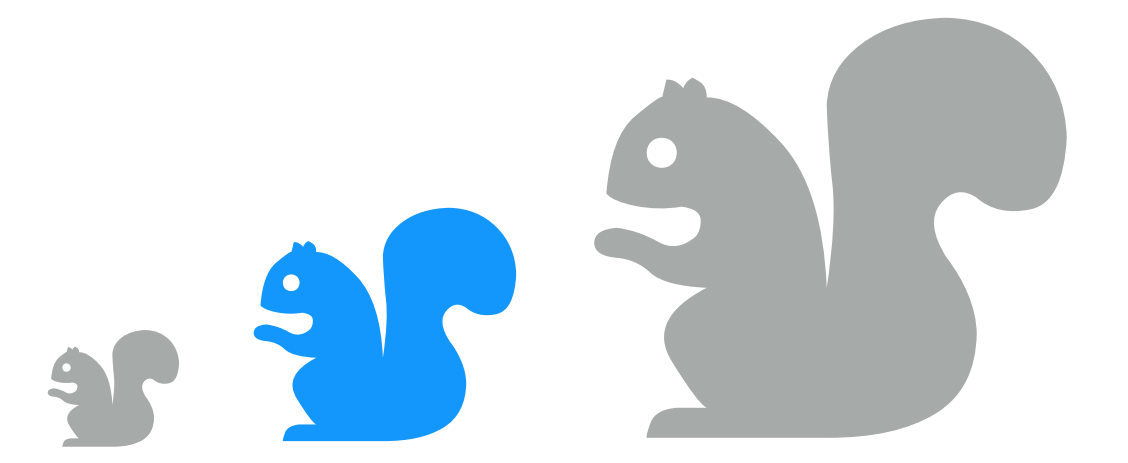
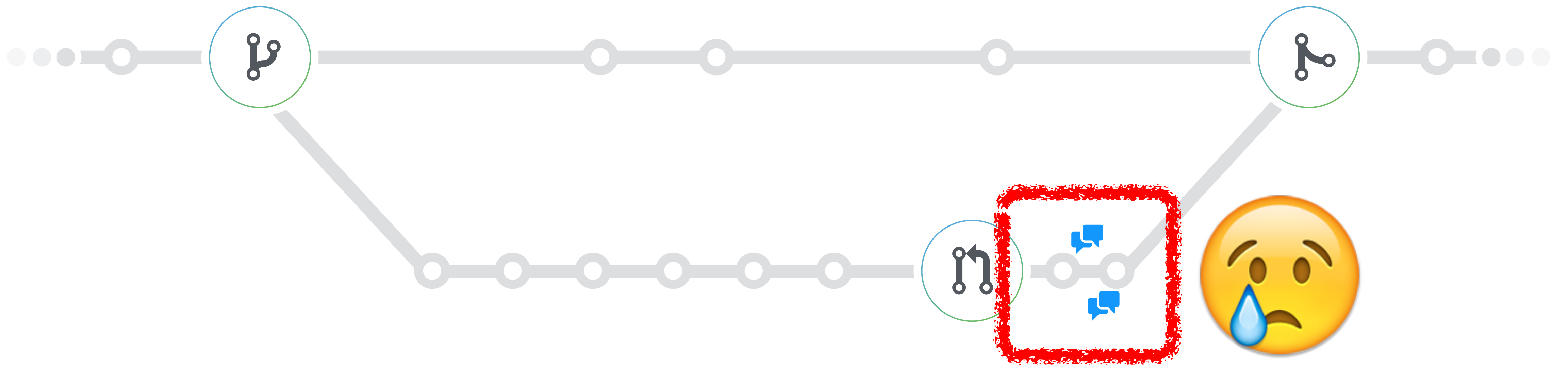


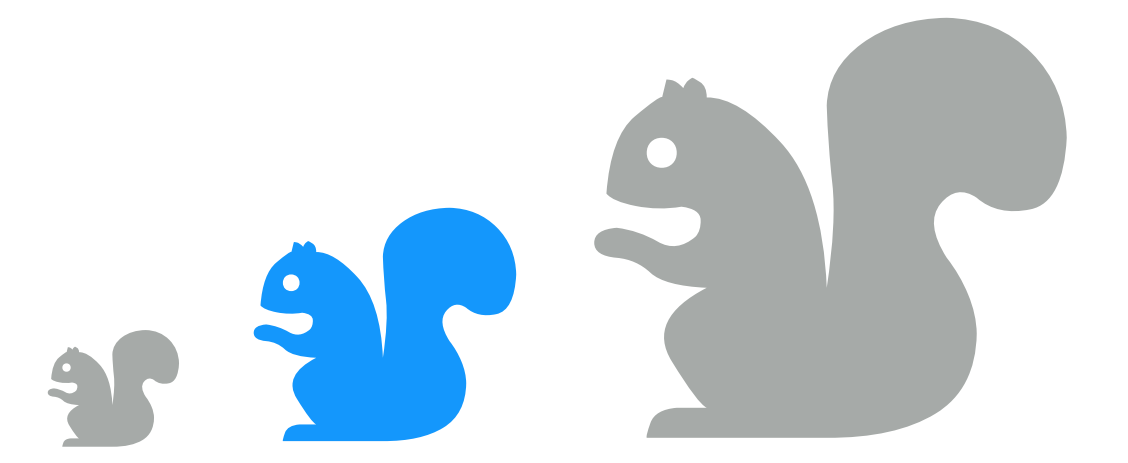
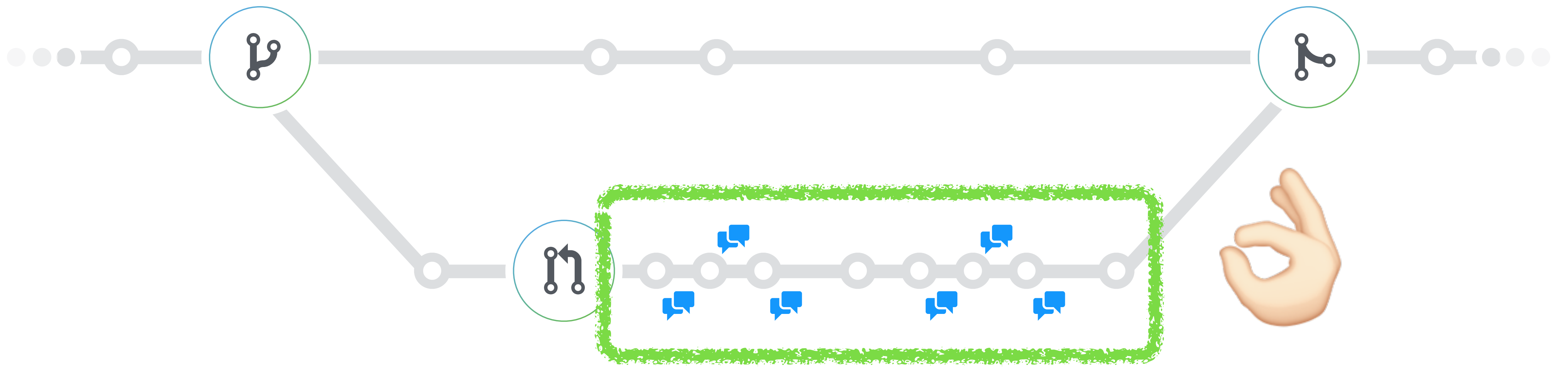
Hubot

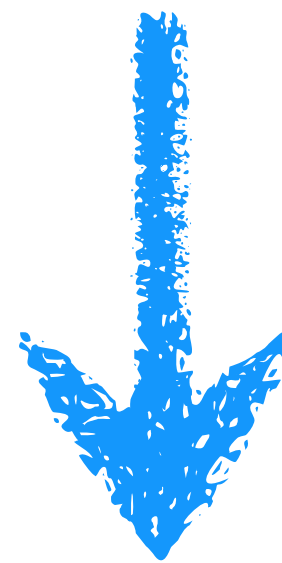
GitHub.com Deploys



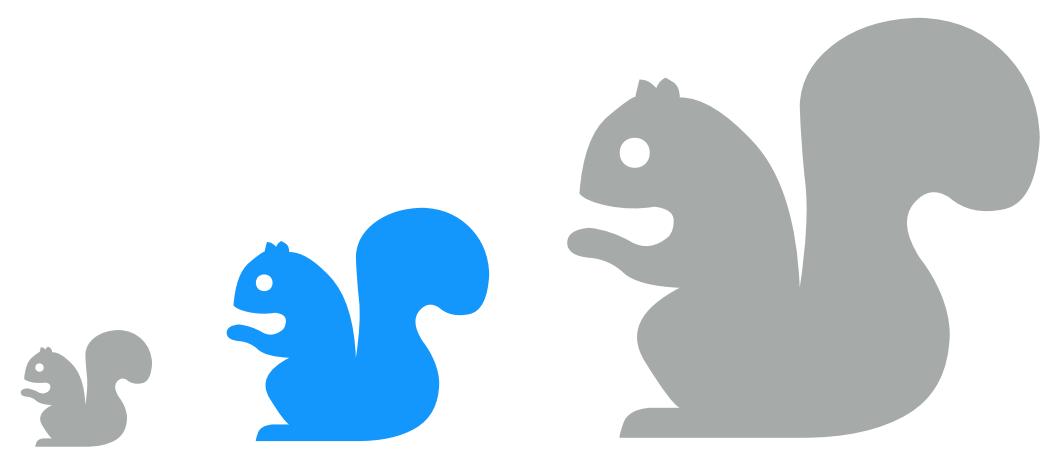
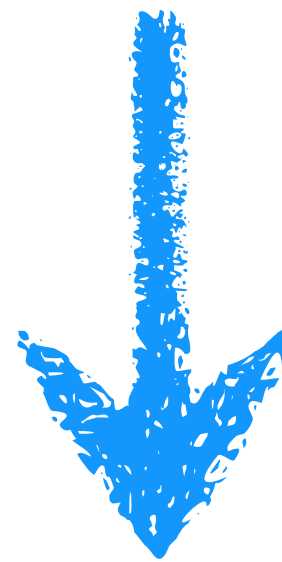


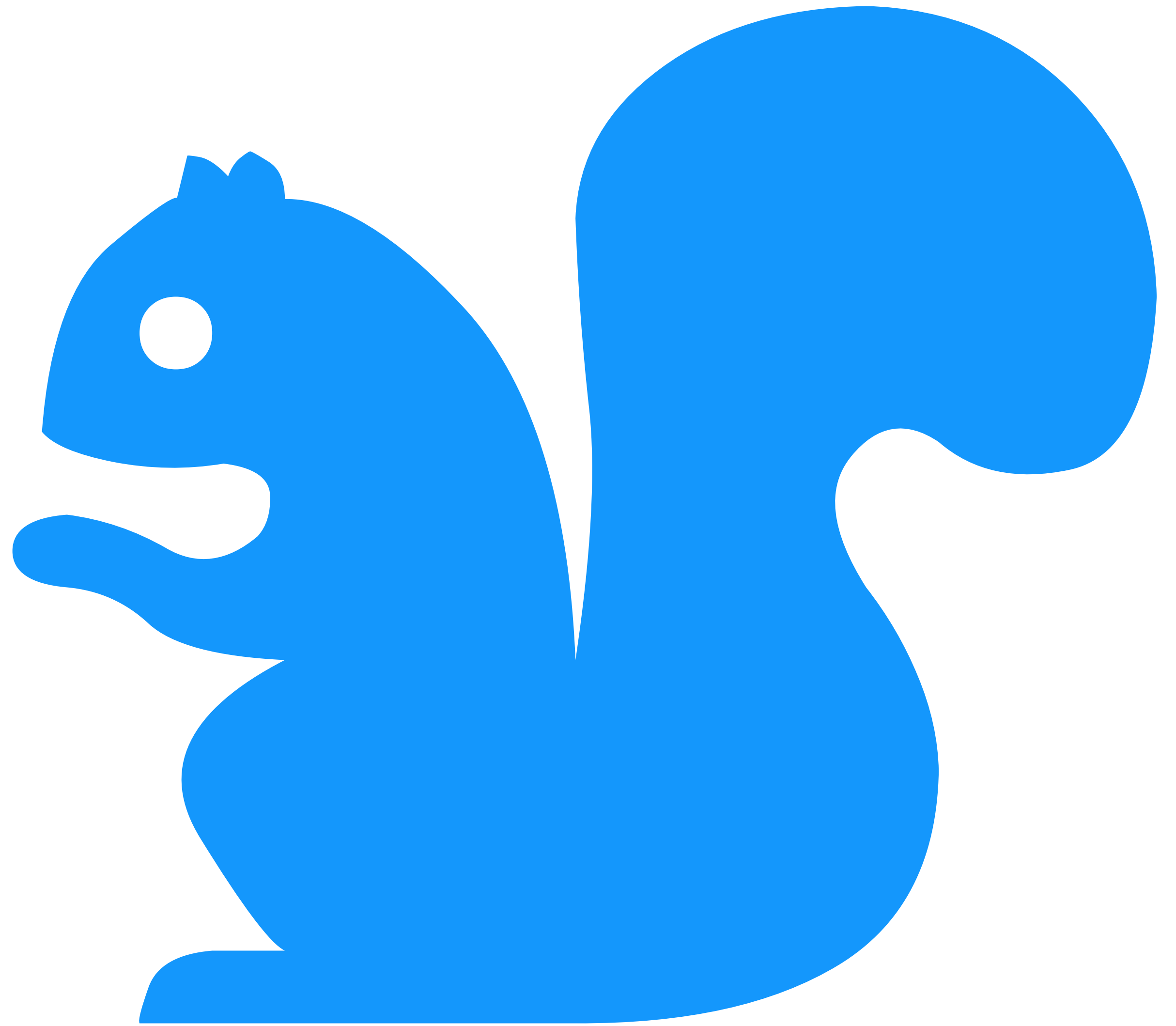
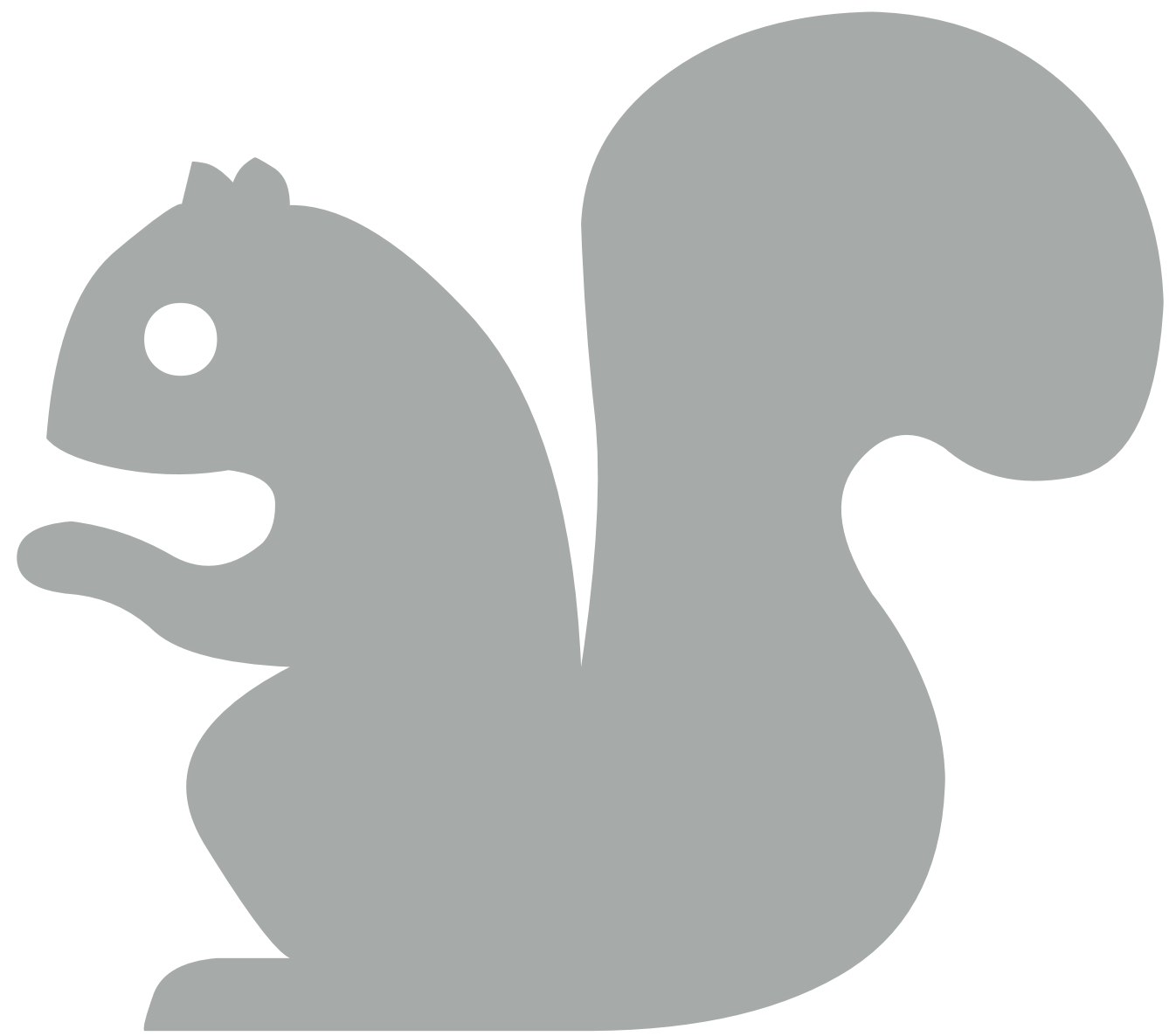
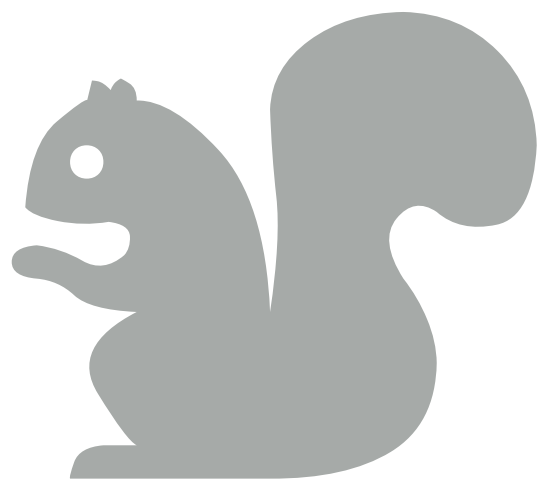




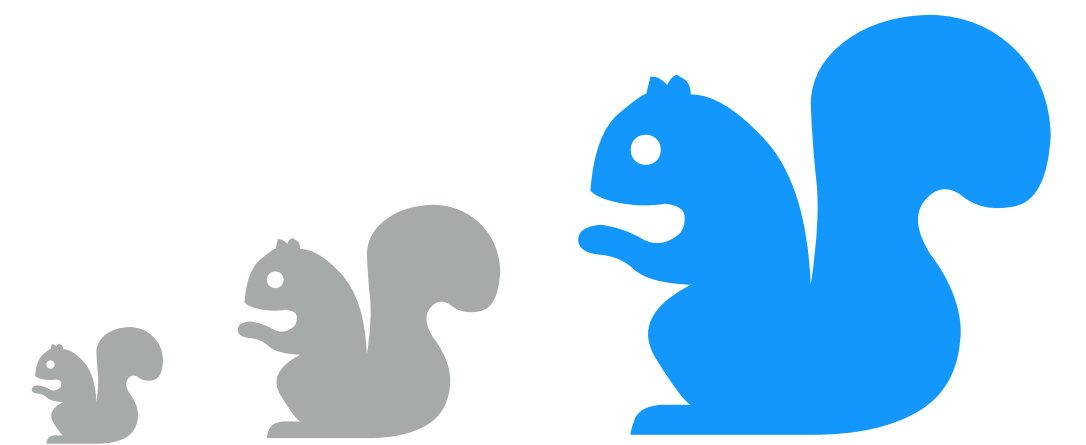


 Merge Pull Request

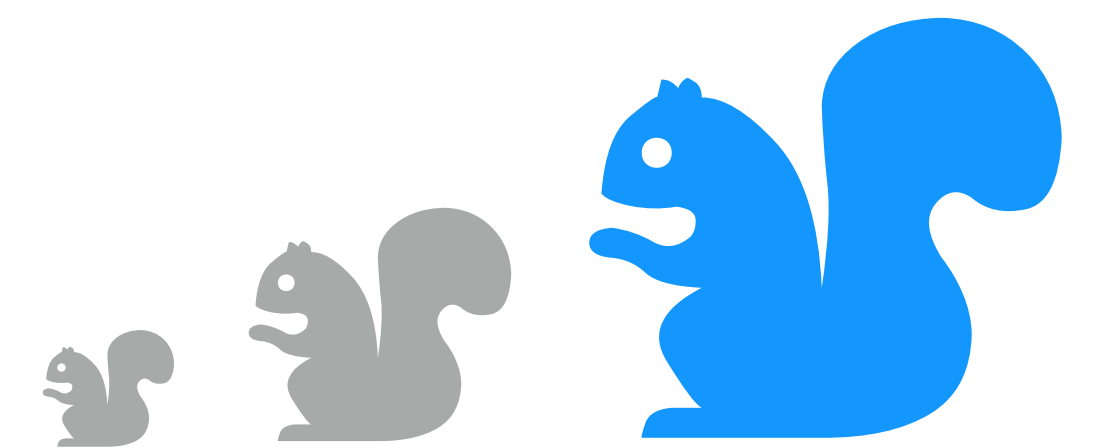




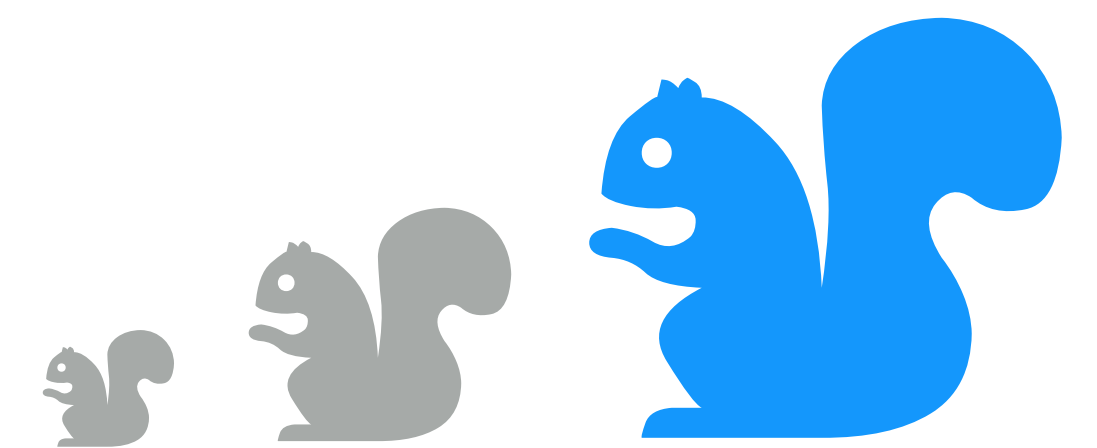
FEATURE FLAGS



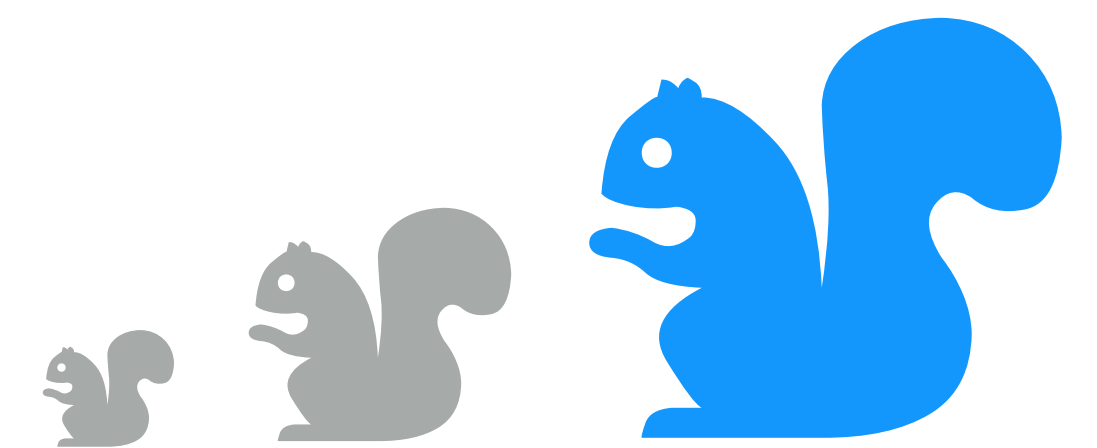
```
def new_feature_enabled?  
  ...  
end
```



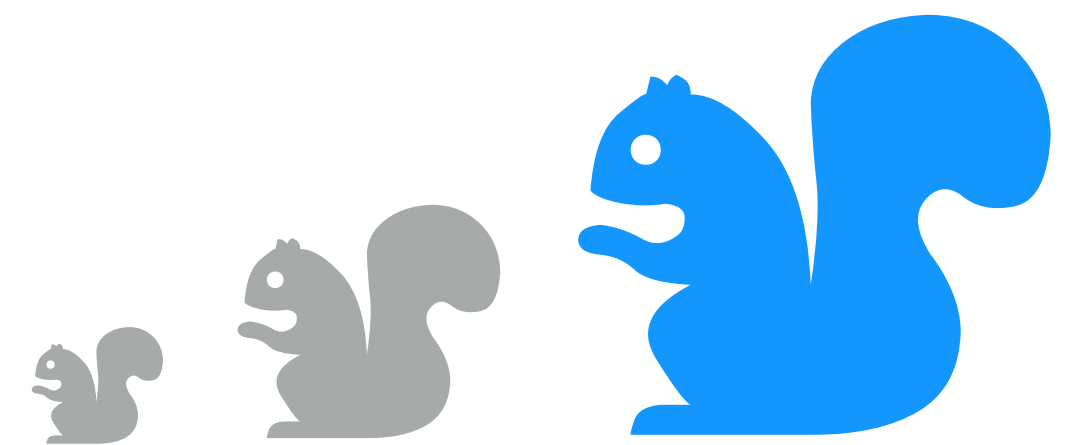
```
if new_feature_enabled?  
  // New functionality  
else  
  // Current functionality  
end
```



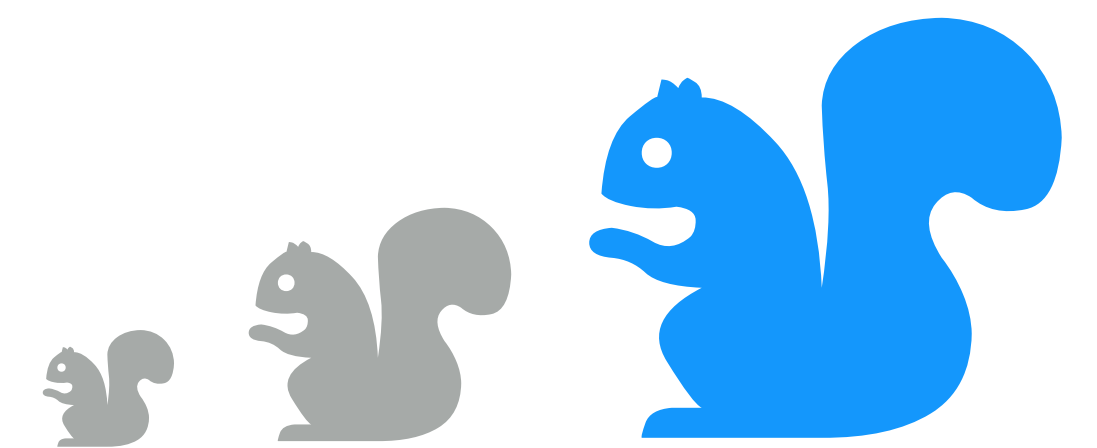

```
def new_feature_enabled?  
  preview_features?  
end
```

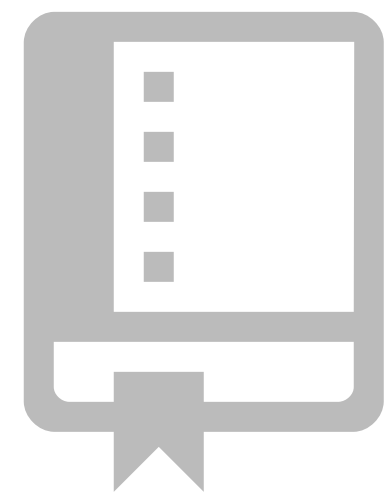


```
def new_feature_enabled?  
  preview_features? &&  
    team_access?(:some_team)  
end
```

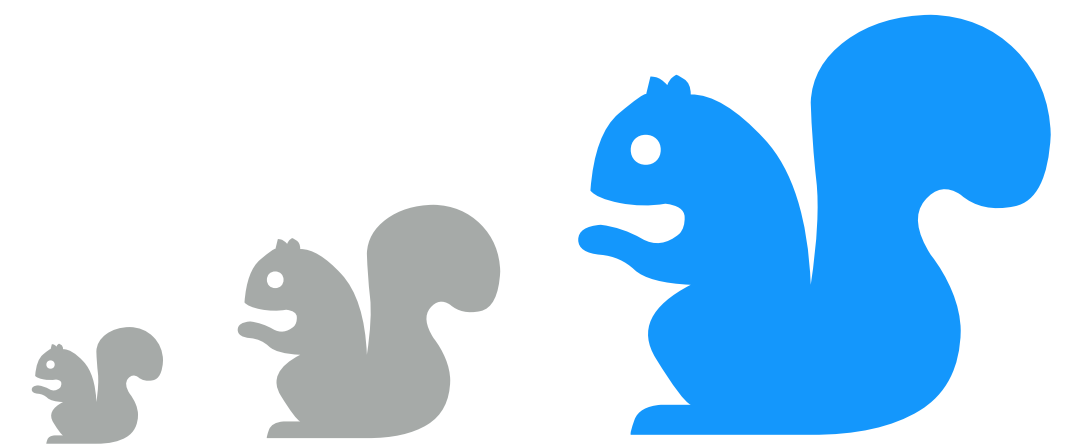


```
def new_feature_enabled?  
  true  
end
```





jnunemaker / flipper

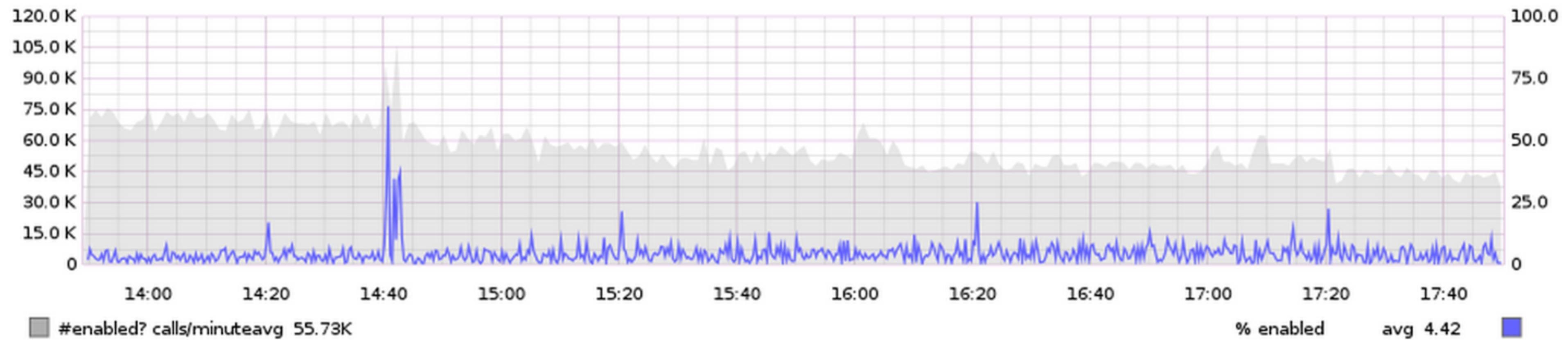


[redacted]

Edit description

No description provided

The number of times #enabled? is called for this feature per minute, and the percentage of those calls that return true.



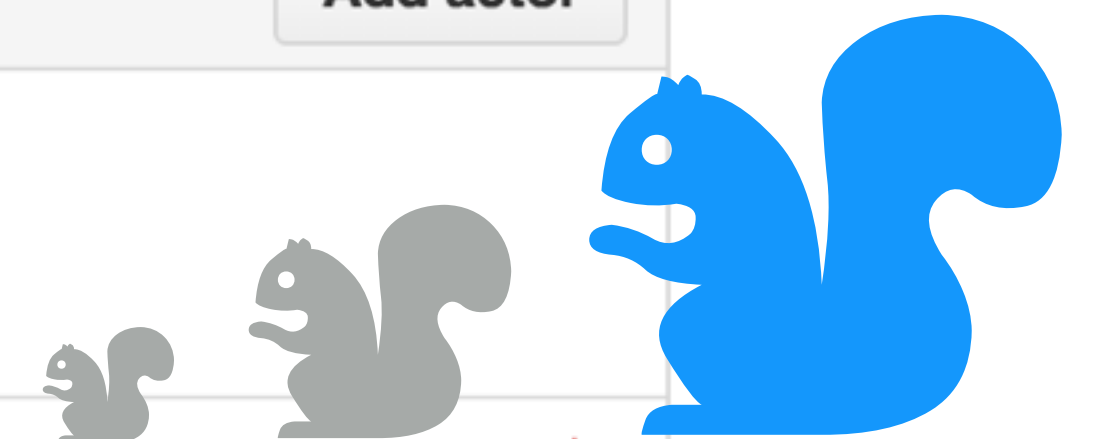
You can modify access to this feature using the settings below. After making changes, monitor [Haystack](#) and [GraphMe](#) just like you would after a deploy.

Preliminary testing and team-shipping

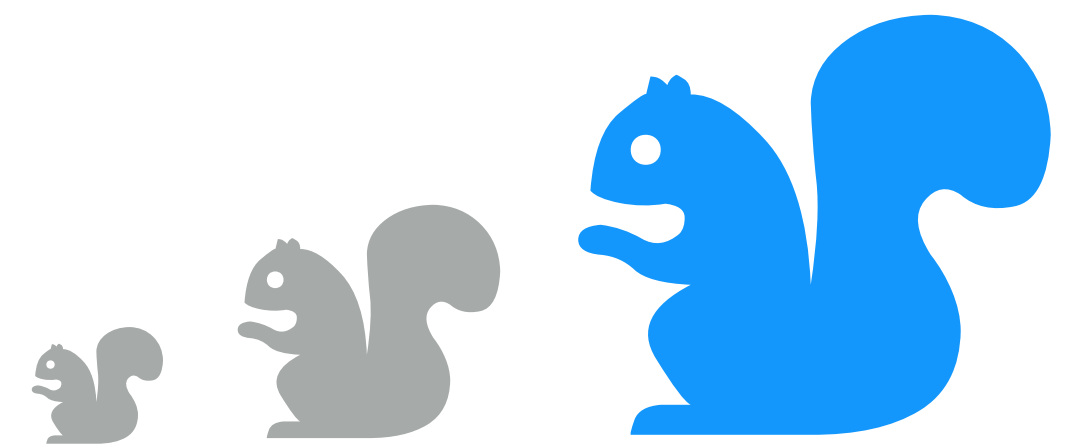
Add actor

Enable this feature for individual users, organizations, or repositories.

41 actors have access to [redacted]



DARK SHIPPING



dark shipping avatars #20907

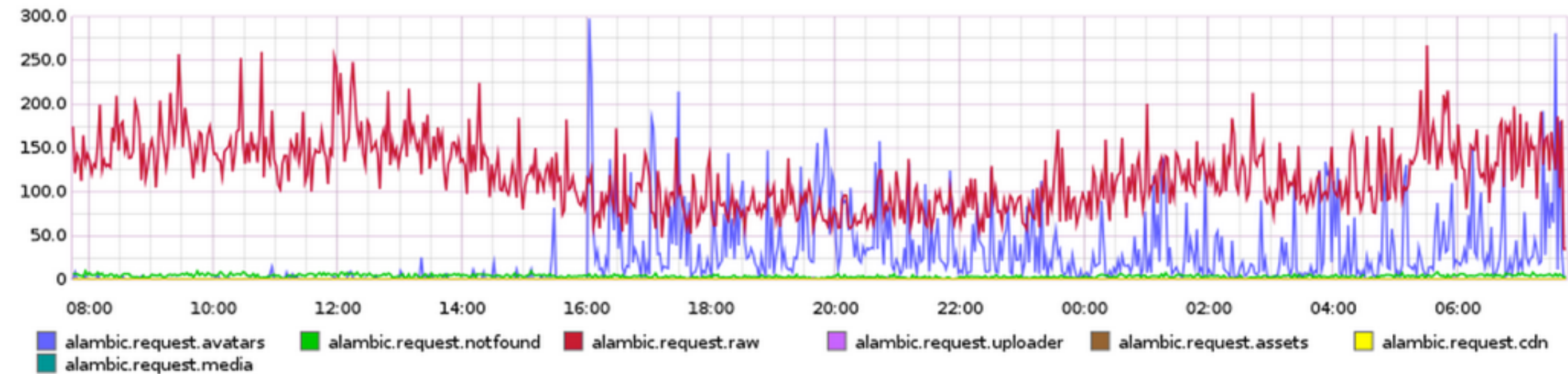
Open

technoweenie opened this issue on Feb 7, 2014 · 0 comments



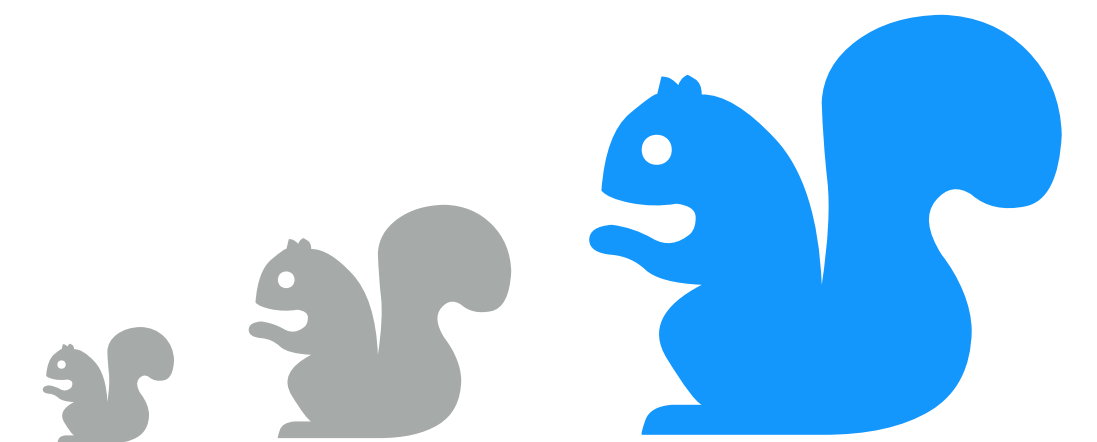
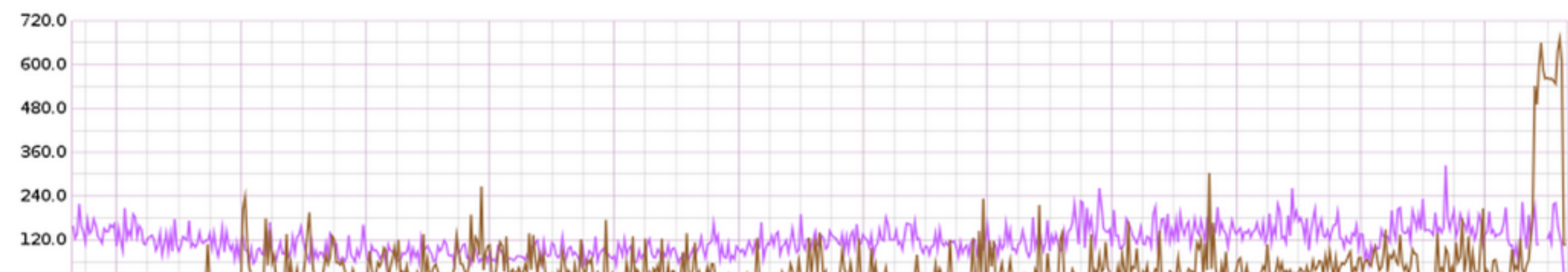
technoweenie commented on Feb 7, 2014

Just want to note the progress of dark shipping the new avatar urls. Here's the # of internal API requests after staff shipping the urls:



The number of requests indicates how often we're serving avatars cold. Ideally Fastly serves the hotter avatars for us.

This is after dark shipping to 10% of logged in users in #20902. This is only doing 1 dark shipped avatar per page load:

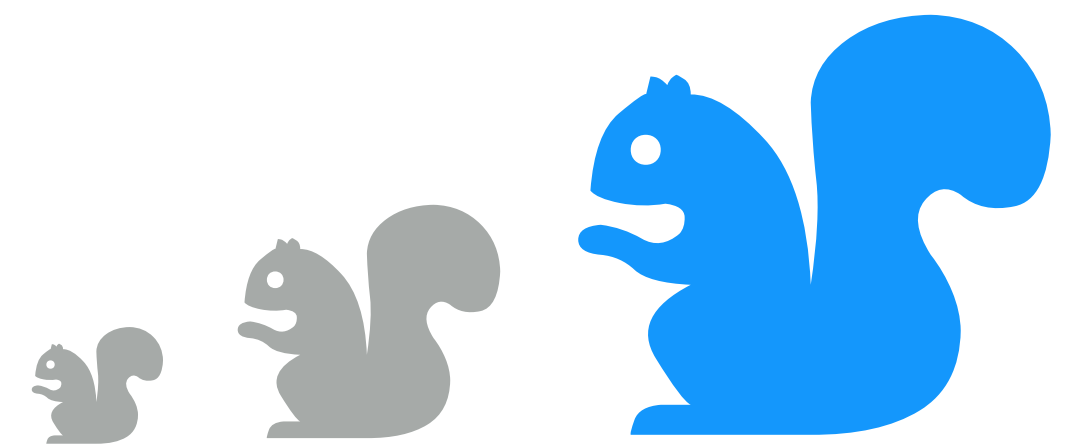




★ ***Realistic load***

★ ***Minimal impact***

★ ***Allows iteration***

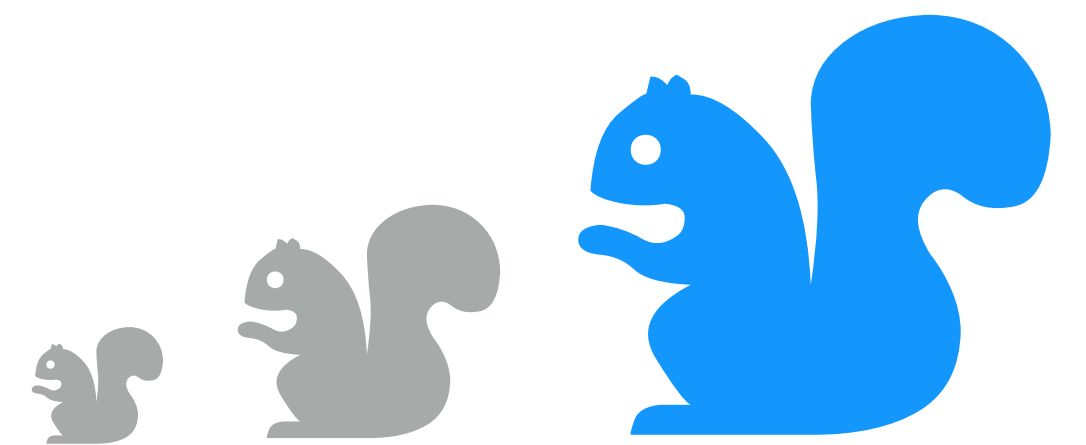


PRR

PRODUCTION

READINESS

REVIEW



QUESTIONS

★ *General*

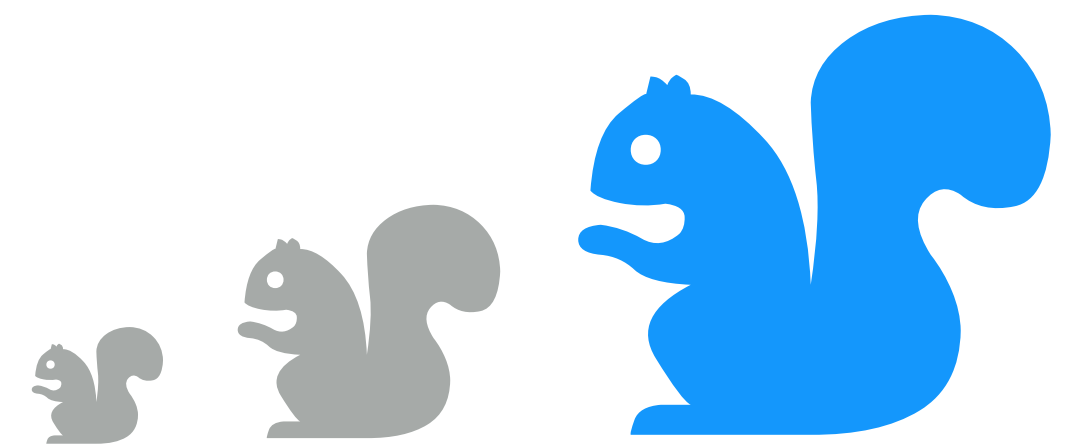
★ *Dependencies*

★ *Fallbacks*

★ *Performance*

★ *Documentation*

★ *Security*

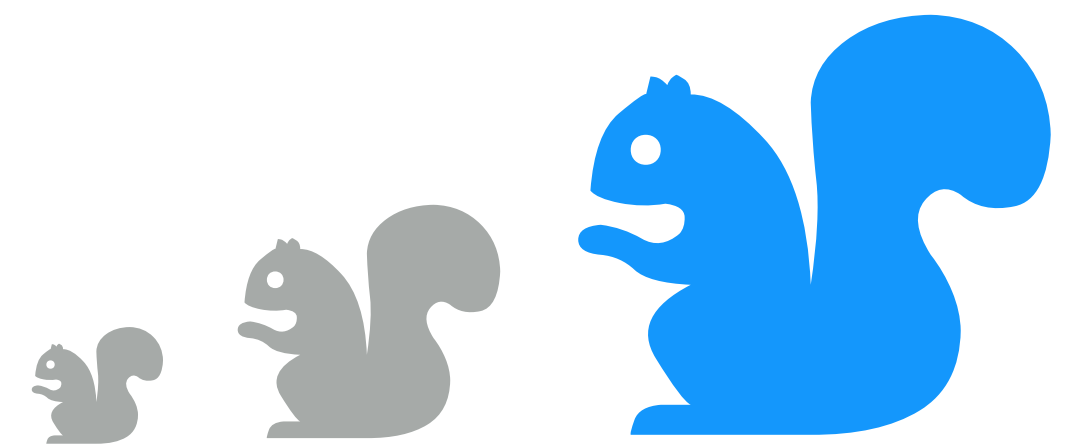


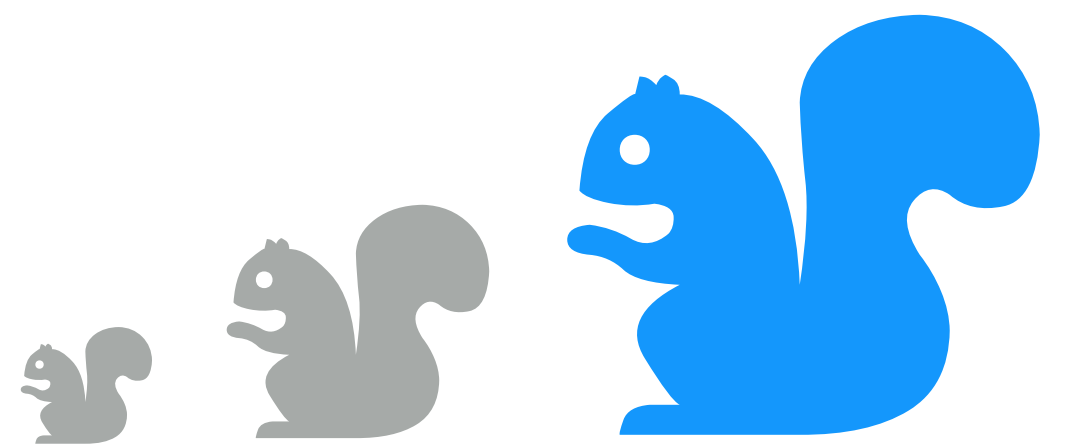
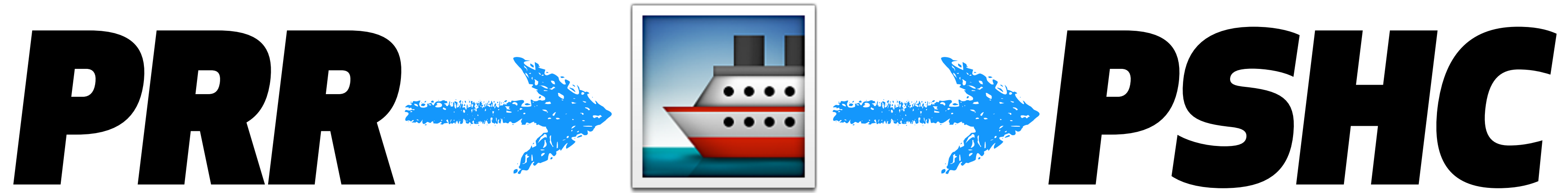
PSHC

POST-SHIP

HEALTH

CHECK



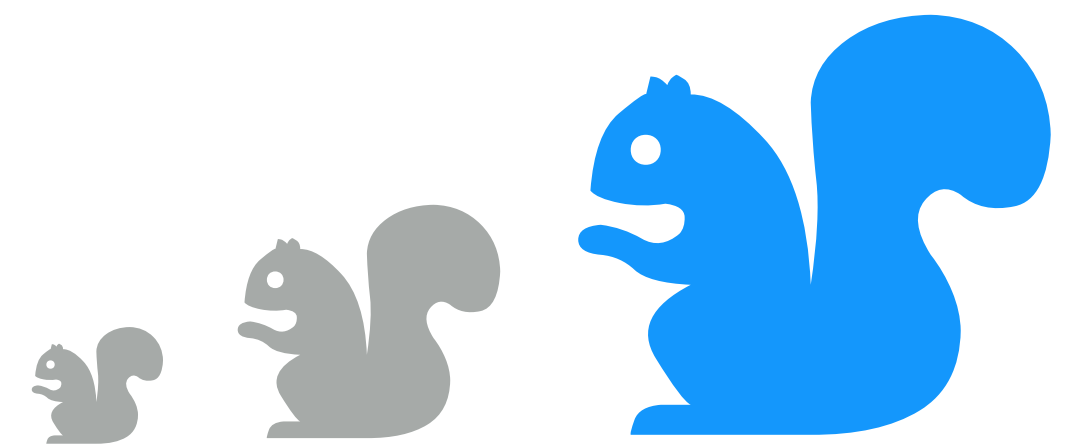





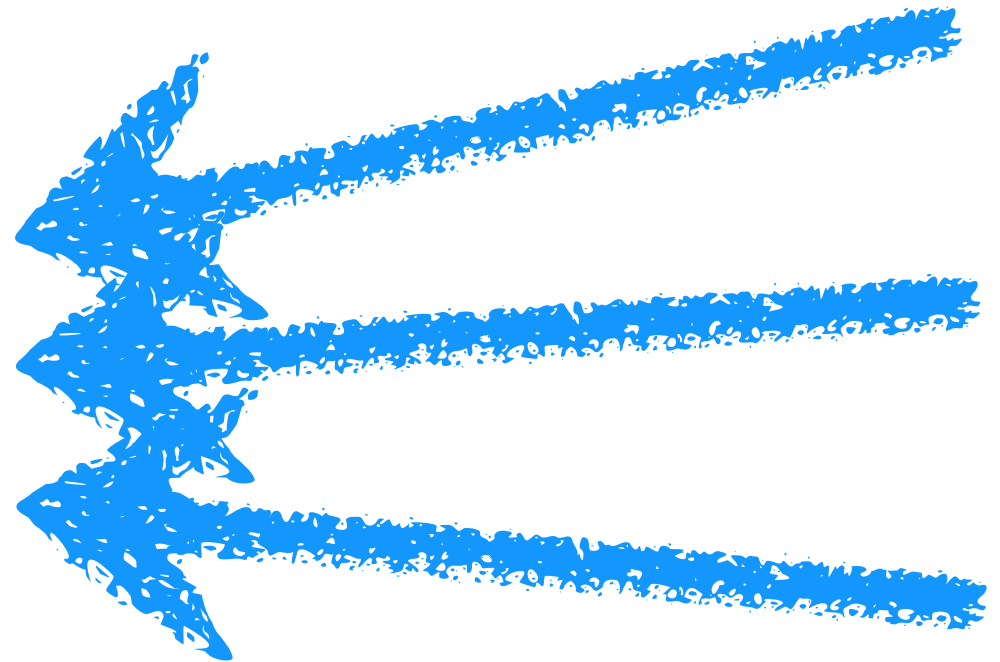
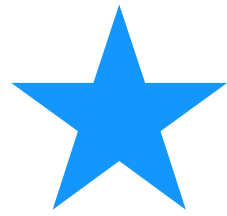


★ **1 month**

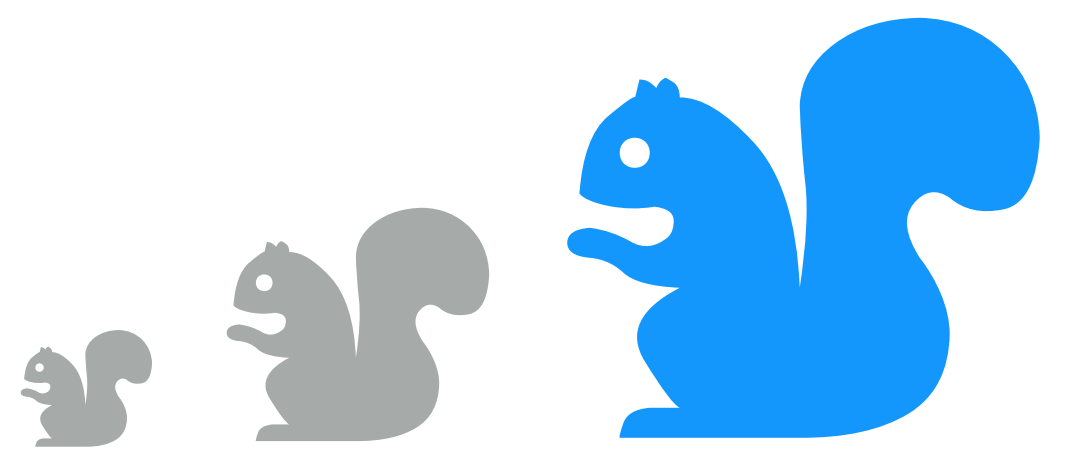
★ **3 months**

★ **6 months**

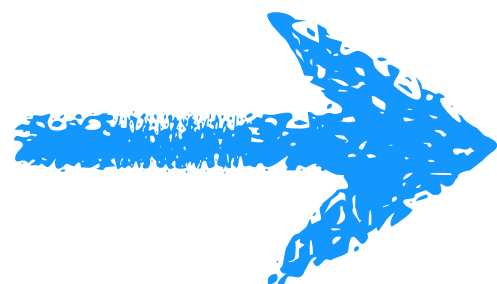
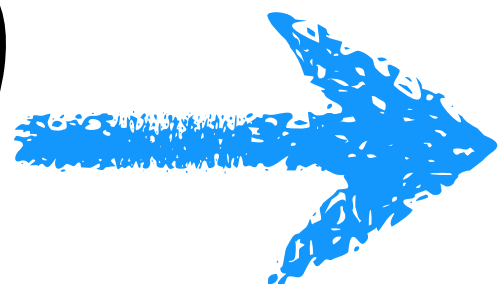


PRR →  → **PSHC**

FEEDBACK ←   **1 month**
 **3 months**
 **6 months**



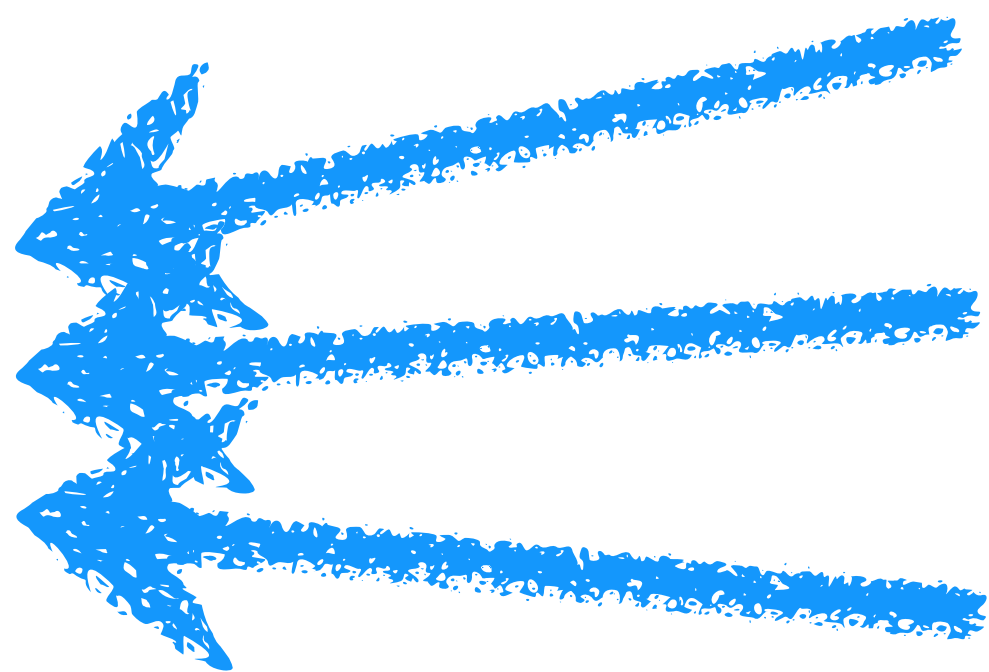
PRR



PSHC



FEEDBACK



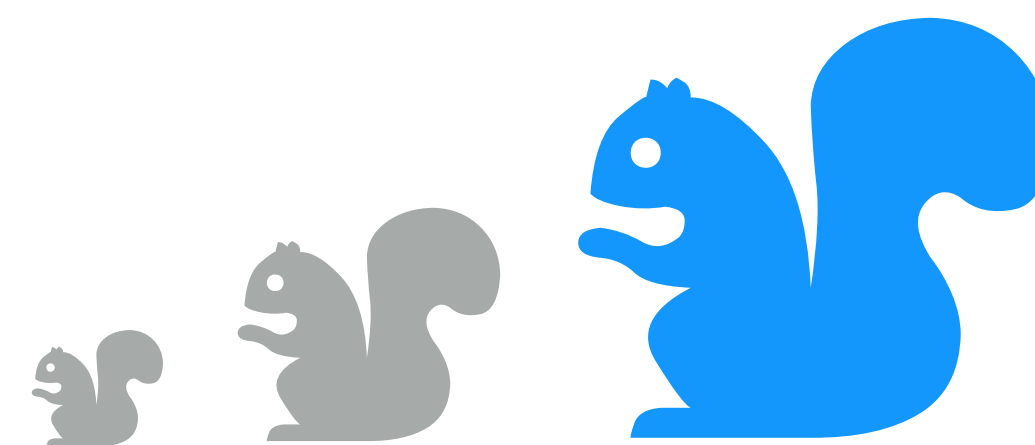
1 month



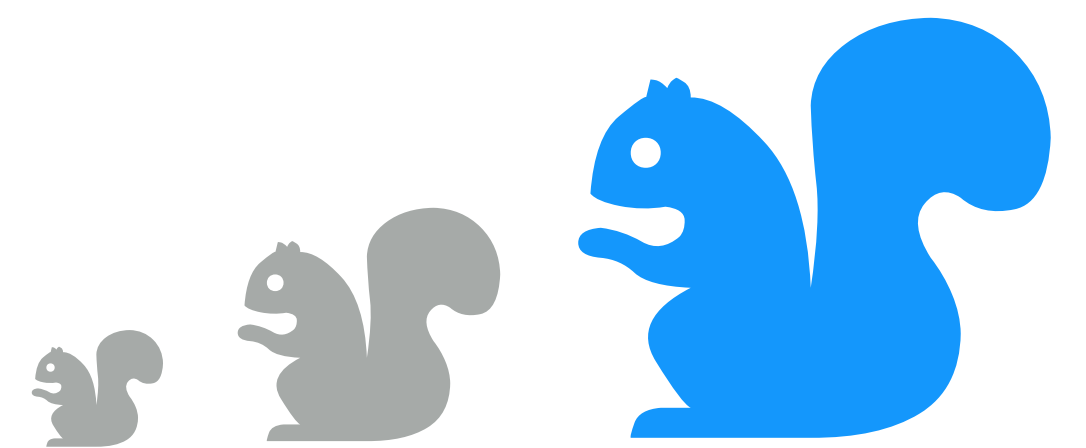
3 months



6 months



**LEARN FROM
THE PAST.**





COMMON QUESTIONS

LARGE TEAMS?

***TOO SIMPLE
TO BE TRUE?***

***IF THINGS
GO WRONG?***

**WHAT ABOUT
CLEAN HISTORY?**

TRUST IS HARD!

WHEN TO USE GITHUB FLOW?

TRY IT. 
PICK WHAT WORKS



**MAKING
IT WORK**

**WRITE
GOOD DOCS.**

**INVEST IN
AUTOMATION.**

***BUILD
TRUST.***

***DISCUSS
EARLY.***

**QUESTION
COMPLEXITY.**

**EMBRACE
FLOW.**

Thank you!



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