Code, Repos, Hangouts

Traffic Control Summit
Fall 2016

git

PSA - git client version

```
[dev-01 : ~/git]$ git version
git version 2.10.1.502.g6598894
[dev-01 : ~/git]$
```

new git repo - core project

https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol.git

```
[dev-01 : ~/git/apache]$ git clone https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol.git
Cloning into 'incubator-trafficcontrol'...
remote: Counting objects: 42587, done.
remote: Compressing objects: 100% (10674/10674), done.
remote: Total 42587 (delta 27961), reused 42432 (delta 27862)
Receiving objects: 100% (42587/42587), 48.29 MiB | 31.08 MiB/s, done.
Resolving deltas: 100% (27961/27961), done.
[dev-01 : ~/git/apache]$
```

PSA - stick to the ‘https’ URL

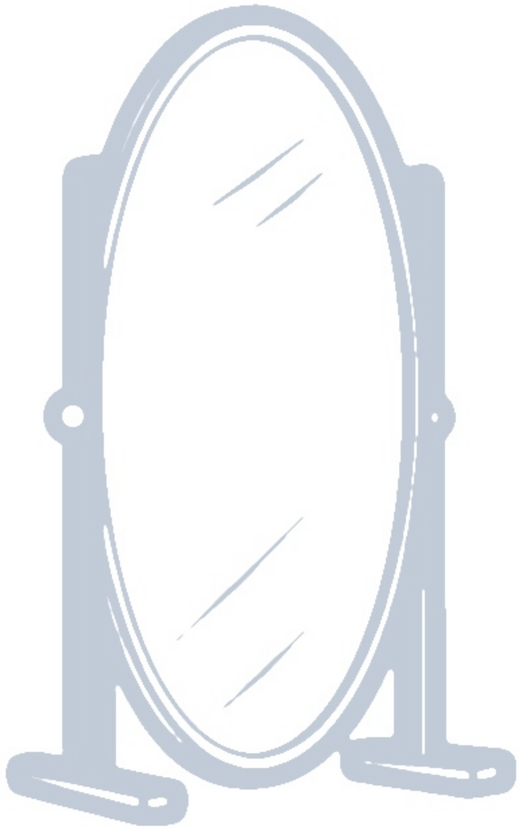
```
[dev-01 : ~/git/apache]$ git clone git@apache.org:repos/asf/incubator-trafficcontrol.git
Cloning into 'incubator-trafficcontrol'...
The authenticity of host 'apache.org (140.211.11.105)' can't be established.
ECDSA key fingerprint is 7f:0e:bb:f9:32:78:94:b9:bf:3f:68:cf:c6:db:89:bb.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'apache.org,140.211.11.105' (ECDSA) to the list of known hosts.
Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
[dev-01 : ~/git/apache/tmp]$
```

new git repo - website

https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol-website.git

```
[dev-01 : ~/git/apache]$ git clone https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol-website.git
Cloning into 'incubator-trafficcontrol-website'...
remote: Counting objects: 1802, done.
remote: Compressing objects: 100% (421/421), done.
remote: Total 1802 (delta 1365), reused 1797 (delta 1363)
Receiving objects: 100% (1802/1802), 4.52 MiB | 0 bytes/s, done.
Resolving deltas: 100% (1365/1365), done.
[dev-01 : ~/git/apache]$
```

core project - git mirror



git:

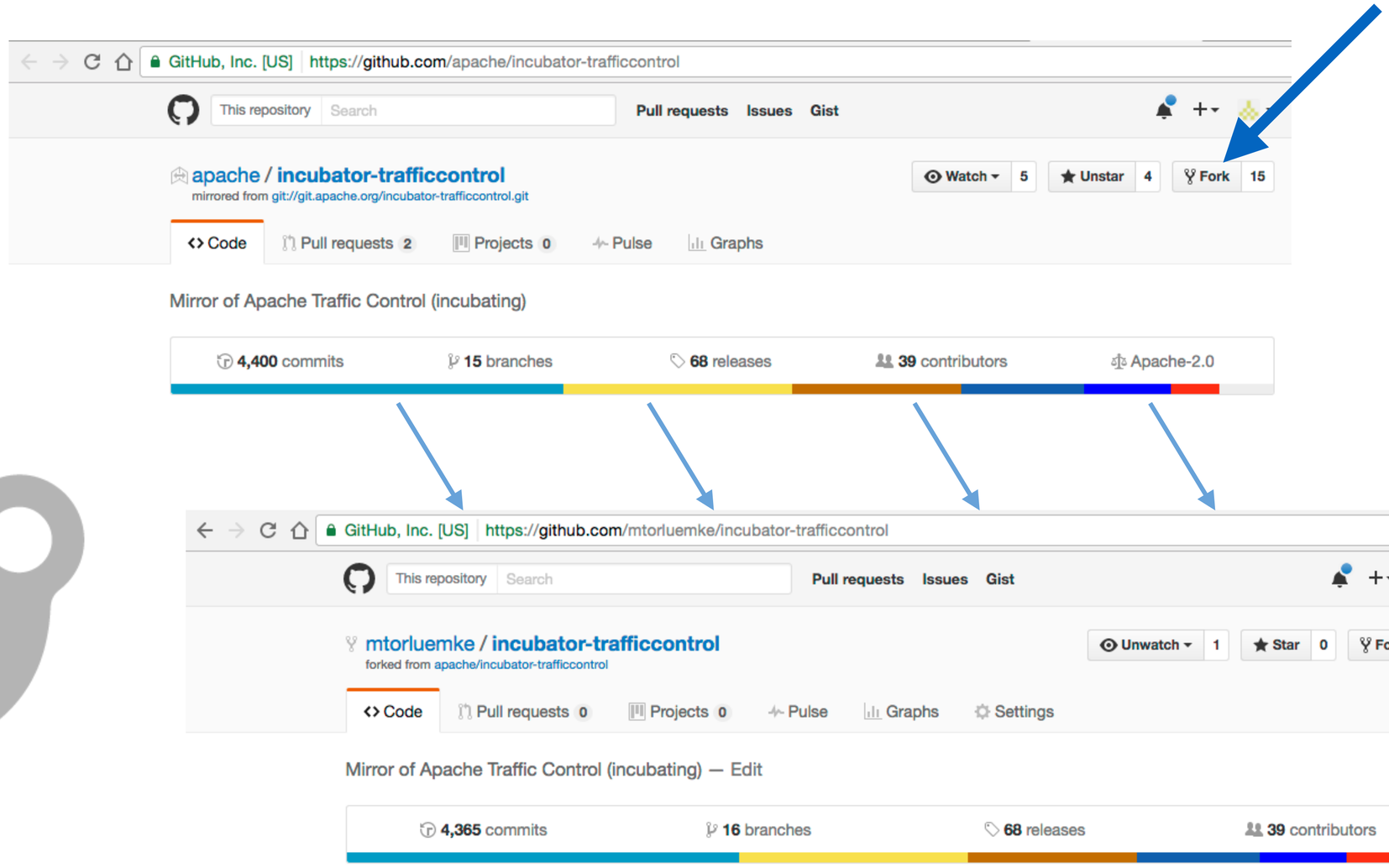
git@github.com:apache/incubator-trafficcontrol.git

browser:

https://github.com/apache/incubator-trafficcontrol.git

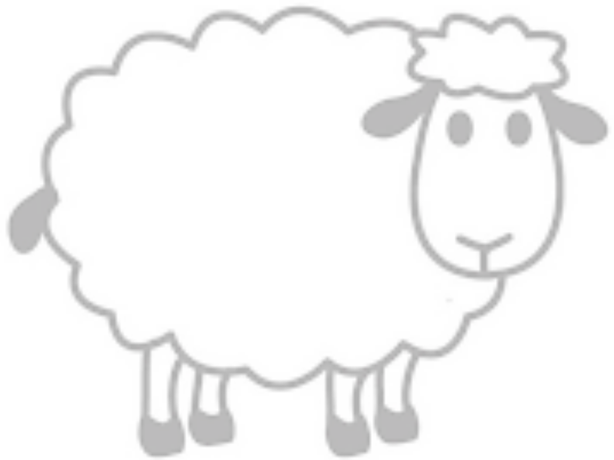
change process

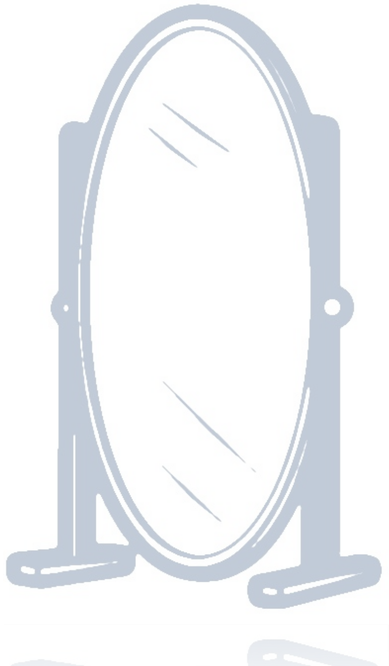
1. fork the mirror



2. clone fork of mirror

```
[dev-01 : ~/git/github]$ git clone git@github.com:mtorluemke/incubator-trafficcontrol.git
Cloning into 'incubator-trafficcontrol'...
remote: Counting objects: 42594, done.
remote: Compressing objects: 100% (34/34), done.
remote: Total 42594 (delta 14), reused 0 (delta 0), pack-reused 42559
Receiving objects: 100% (42594/42594), 48.31 MiB | 30.82 MiB/s, done.
Resolving deltas: 100% (27921/27921), done.
[dev-01 : ~/git/github]$
```



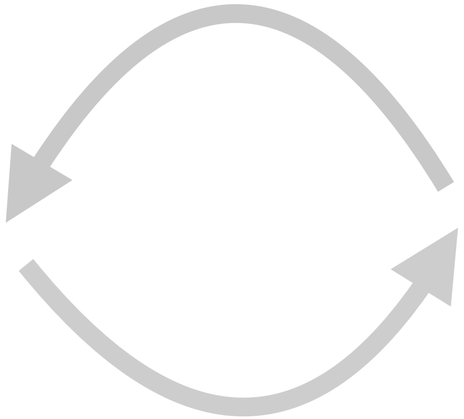


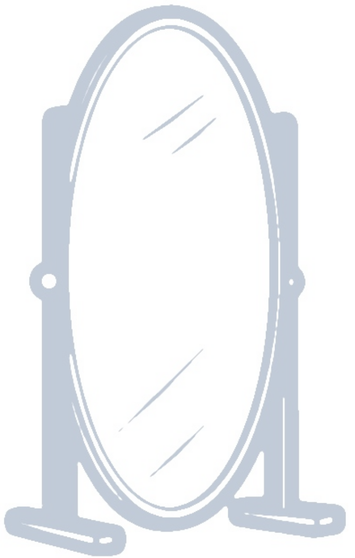
PSA - set your remotes

```
[dev-01 : ~/git/github/incubator-trafficcontrol (master)]$ git remote -v
apache  https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol.git (fetch)
apache  https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol.git (push)
fork    git@github.com:mtorluemke/incubator-trafficcontrol.git (fetch)
fork    git@github.com:mtorluemke/incubator-trafficcontrol.git (push)
mirror  git@github.com:apache/incubator-trafficcontrol.git (fetch)
mirror  git@github.com:apache/incubator-trafficcontrol.git (push)
origin  git@github.com:apache/incubator-trafficcontrol.git (fetch)
origin  git@github.com:mtorluemke/incubator-trafficcontrol.git (push)
[dev-01 : ~/git/github/incubator-trafficcontrol (smal-doc-update)]$
```

PSA - sync fork wit mirror

```
git fetch mirror

git merge mirror/master

git push fork
```





3. Make feature branch

```
[dev-01 : ~/git/github/incubator-trafficcontrol (master=)]$ git checkout -b "small-doc-update"
Switched to a new branch 'small-doc-update'
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$
```

4. Develop fix

```
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$ vim docs/source/admin/traffic_ops_install.rst
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update *)]$
```

```
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update *)]$ git add docs/source/admin/traffic_ops_install.rst
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update +)]$
```

```
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update +)]$ git commit -m "small docs clarification on postinstall"
[small-doc-update 34a629c] small docs clarification on postinstall
 1 file changed, 2 insertions(+), 2 deletions(-)
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$
```

PSA - .gitconfig

```
[dev-01 : ~/git ]$ head -3 ~/.gitconfig
[user]
   name = Mark Torluemke
   email = mtorluemke@apache.org
[dev-01 : ~/git ]$
```

5. Push to fork

```
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$ git push fork
Counting objects: 6, done.
Delta compression using up to 24 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 565 bytes | 0 bytes/s, done.
Total 6 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To github.com:mtorluemke/incubator-trafficcontrol.git
 * [new branch]      small-doc-update -> small-doc-update
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$
```

PSA - mirror is read-only

```
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$ git push mirror
ERROR: Permission to apache/incubator-trafficcontrol.git denied to mtorluemke.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
[dev-01 : ~/git/github/incubator-trafficcontrol (small-doc-update)]$
```

5. Pull request to mirror

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.

base fork: **apache/incubator-trafficcont...** base: **master** ... head fork: **mtorluemke/incubator-traffi...** compare: **small-doc-update**

✓ **Able to merge.** These branches can be automatically merged.

Please review the **guidelines for contributing** to this repository.

small docs clarification on postinstall

Write Preview

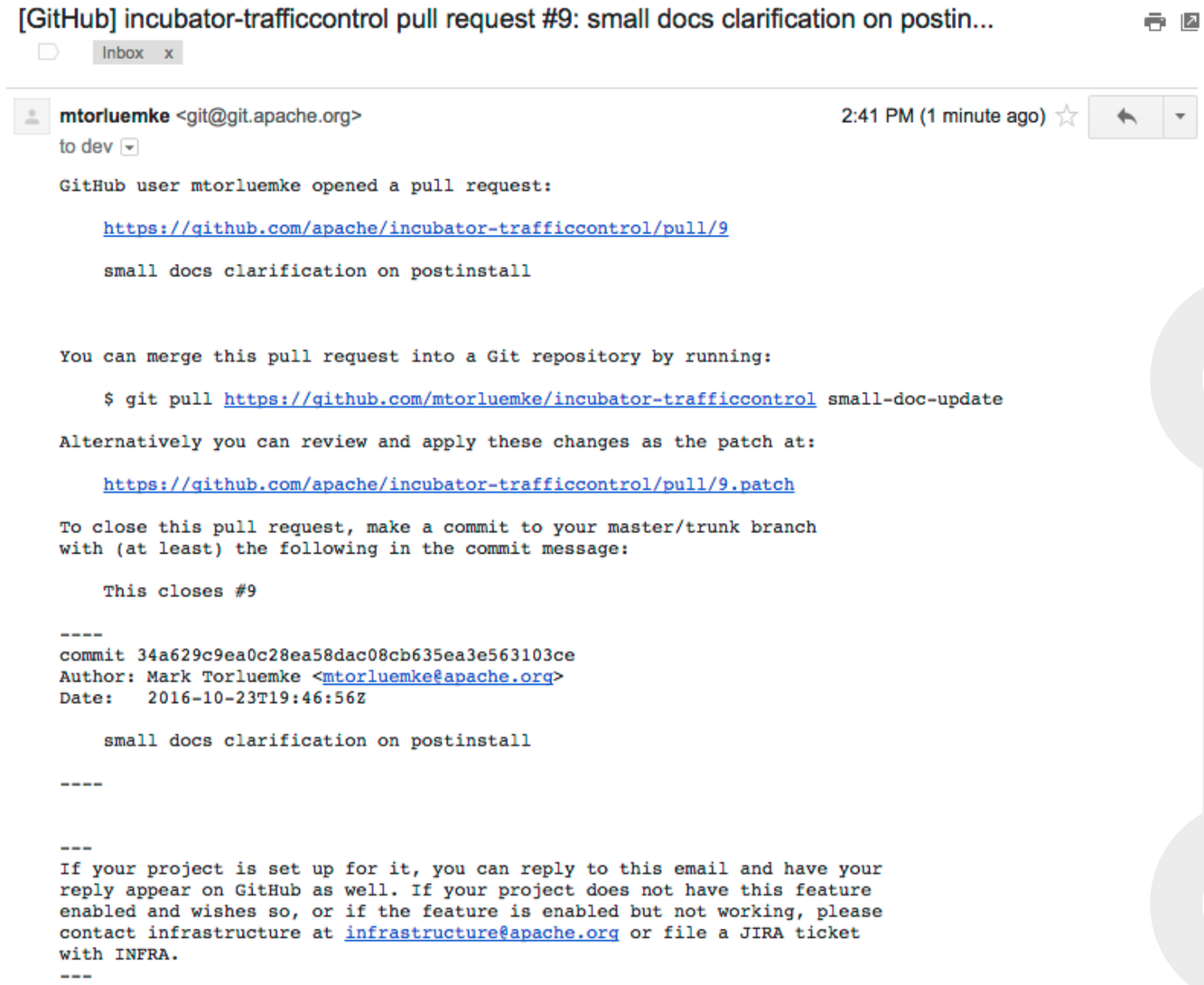
Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Allow edits from maintainers. Learn more

Create pull request

5b. Email shows up to dev@



[GitHub] incubator-trafficcontrol pull request #9: small docs clarification on postin...

Inbox x

mtorluemke <git@git.apache.org> 2:41 PM (1 minute ago)

to dev

GitHub user mtorluemke opened a pull request:

https://github.com/apache/incubator-trafficcontrol/pull/9

small docs clarification on postinstall

You can merge this pull request into a Git repository by running:

$ git pull https://github.com/mtorluemke/incubator-trafficcontrol small-doc-update

Alternatively you can review and apply these changes as the patch at:

https://github.com/apache/incubator-trafficcontrol/pull/9.patch

To close this pull request, make a commit to your master/trunk branch
with (at least) the following in the commit message:

This closes #9

---

commit 34a629c9ea0c28ea58dac08cb635ea3e563103ce
Author: Mark Torluemke <mtorluemke@apache.org>
Date: 2016-10-23T19:46:56Z

small docs clarification on postinstall

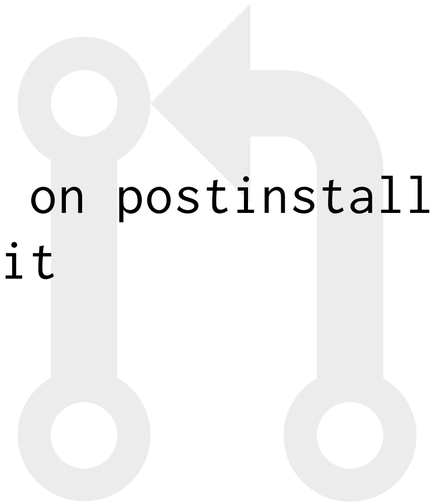
If your project is set up for it, you can reply to this email and have your
reply appear on GitHub as well. If your project does not have this feature
enabled and wishes so, or if the feature is enabled but not working, please
contact infrastructure at infrastructure@apache.org or file a JIRA ticket
with INFRA.
---

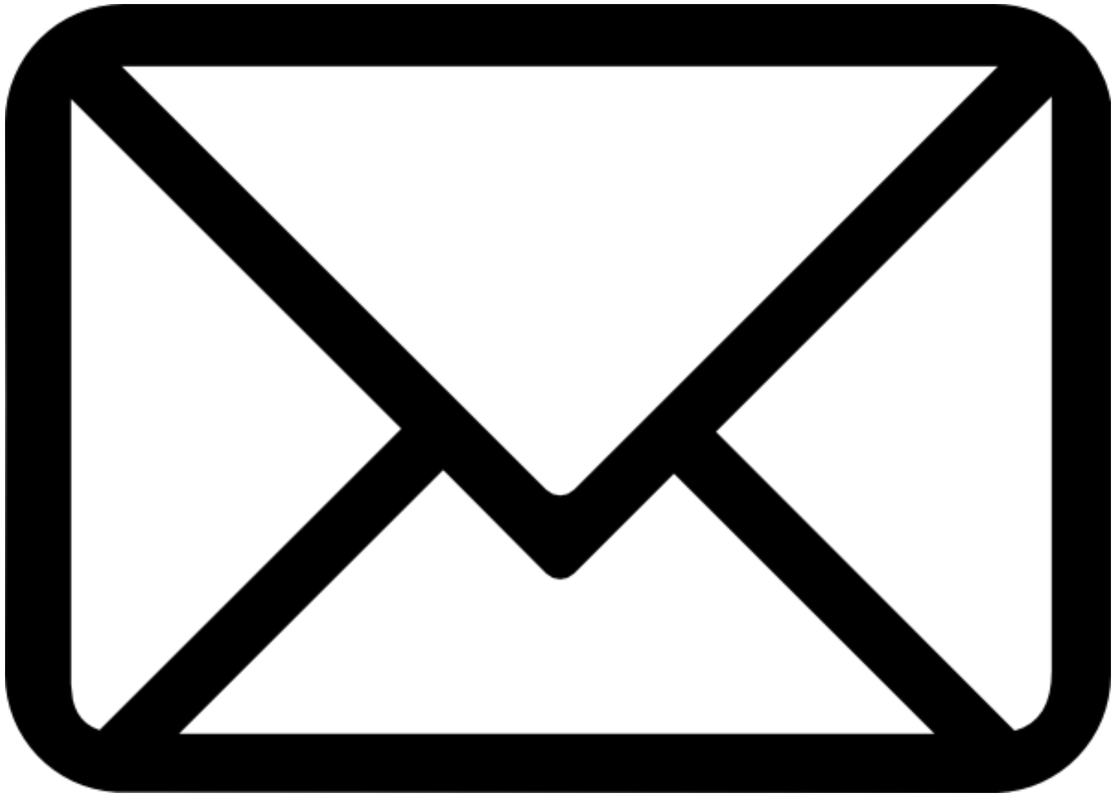
6. Reviewer pulls PR branch

```
$ git checkout master

$ git pull https://github.com/mtorluemke/incubator-trafficcontrol small-doc-update
remote: Counting objects: 6, done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.
From https://github.com/mtorluemke/incubator-trafficcontrol
 * branch            small-doc-update -> FETCH_HEAD
Updating 9190f8e..34a629c
Fast-forward
 docs/source/admin/traffic_ops_install.rst | 4 ++--
 1 file changed, 2 insertions(+), 2 deletions(-)
```

7. Committer pushes to Apache

```
$ git commit --allow-empty
[master 39c2cce] This closes #9

$ git push apache master
Counting objects: 7, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 723 bytes | 0 bytes/s, done.
Total 7 (delta 4), reused 0 (delta 0)
remote: incubator-trafficcontrol git commit: This closes #9
remote: incubator-trafficcontrol git commit: small docs clarification on postinstall
To https://git-wip-us.apache.org/repos/asf/incubator-trafficcontrol.git
   9190f8e..39c2cce  master -> master
```





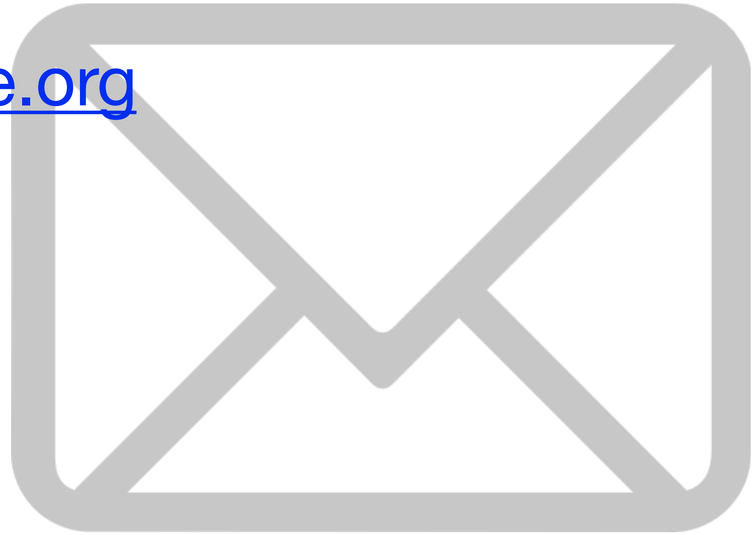
email lists

issues-subscribe@trafficcontrol.incubator.apache.org

users-subscribe@trafficcontrol.incubator.apache.org

dev-subscribe@trafficcontrol.incubator.apache.org

commits-subscribe@trafficcontrol.incubator.apache.org



email lists - archives

https://lists.apache.org/list.html?dev@trafficcontrol.apache.org

https://lists.apache.org/list.html?users@trafficcontrol.apache.org

https://lists.apache.org/list.html?issues@trafficcontrol.apache.org

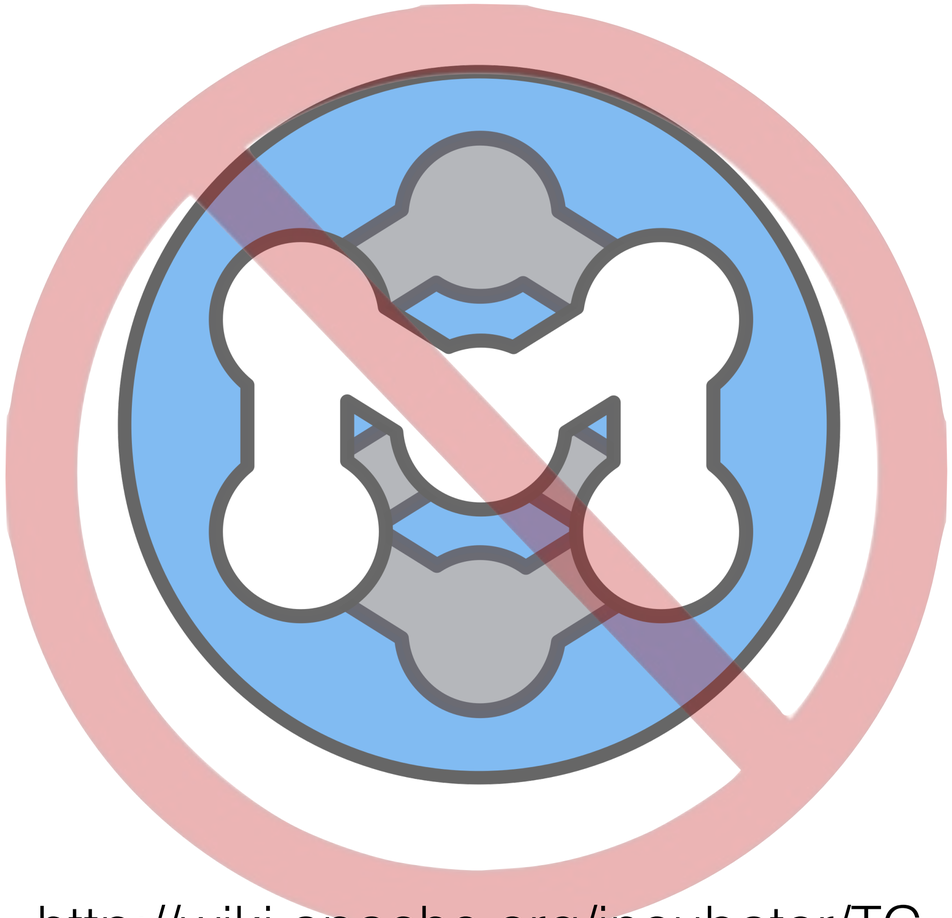
https://lists.apache.org/list.html?commits@trafficcontrol.apache.org

https://issues.apache.org/jira/browse/TC/

1. Issue needed all normal things
    A. bugs, new features, etc
2. Issue needed for ?every? PR
3. Strive for issues to:
    A. be assigned?
    B. have labels?

https://issues.apache.org/jira/browse/TC/

Wiki



http://wiki.apache.org/incubator/TC

https://cwiki.apache.org/confluence/display/TC/Apache+Traffic+Control

https://issues.apache.org/jira/browse/INFRA-12799

Website

http://trafficcontrol.apache.org/

Logo

Hangouts / WebEx

Hangouts / WebEx

- Regular ones needed?
- Frequency?
- Topic List:
  - Roadmap?
  - Bug scrub?
  - Issue assignment?
- Rotating host?

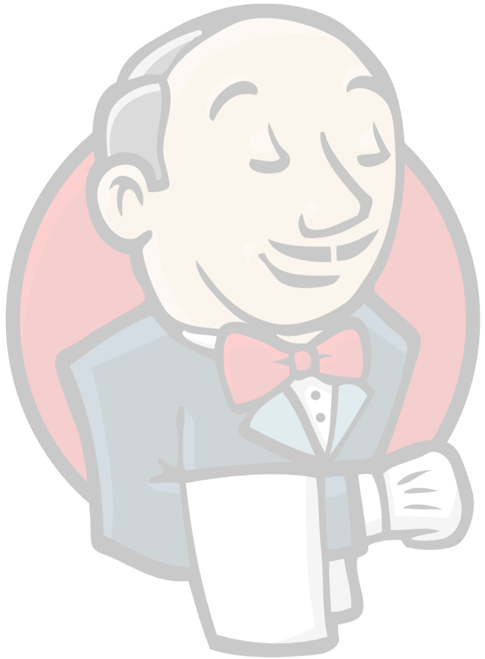
Releases

- Continue branching every 2 months?
- Release numbering (pretty close now)?
- Binding votes needed for every release:
  - 2 separate votes called:
    - 3 PPMC votes
    - 3 IPMC votes
- Release all components, changed or not?
- Release manager election?

Public CI

Public CI

- Necessary?
- ASF provides?
- https://travis-ci.org/apache ?



Misc

- Folder structure in repo
- Y.X backwards compatibility (all X compatible)
- API versioning. Consistent across all components?
- build.sh - widespread usage?
- bylaws.

Misc

- continue to publish RPMs on website?
- monthly reports - incubator only?

Slack / IRC

Code conventions

- Spaces or tabs?
- camelCase or snake_case?