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

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.
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

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]$

2. clone fork of mirror
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
5b. Email shows up to dev@
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(-)
$ 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
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/
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/
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
• 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?