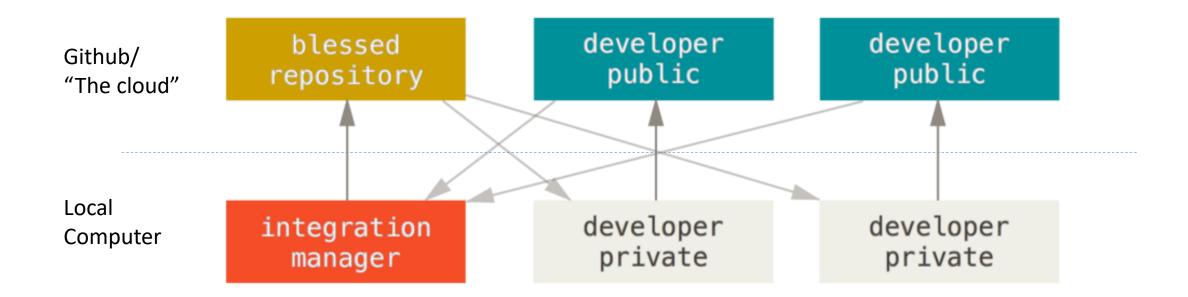


Schedule

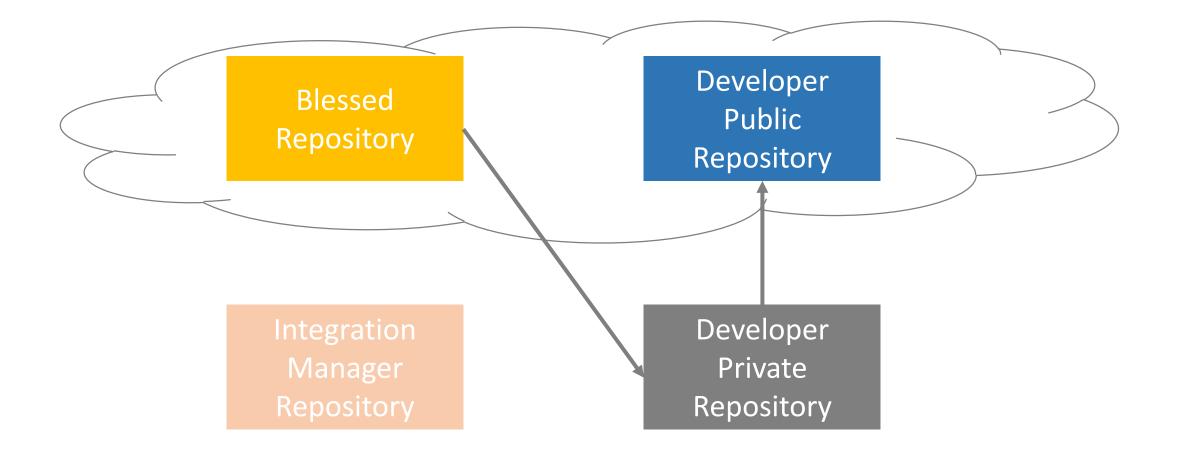
March 29	Rebasing
April 5	When Things Go Wrong
April 12	Visual Git Tools
April 19	Carnival, no class
April 26	Plumbing and Porcealin
May 3	Final

Last Time

- Centralized Workflow
- Integration Manager Workflow



You need to keep your fork up to date



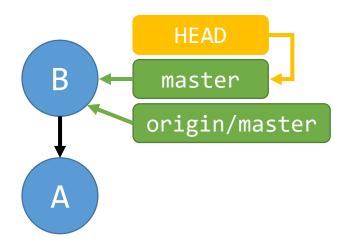
You need to keep your fork up to date

In the private developer repo

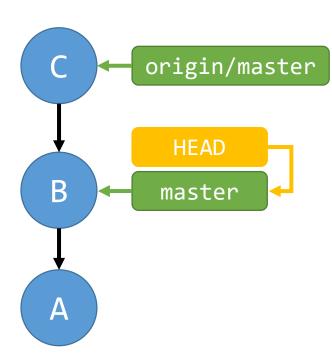
\$ git remote add upstream

https://github.com/autolab/Autolab.git

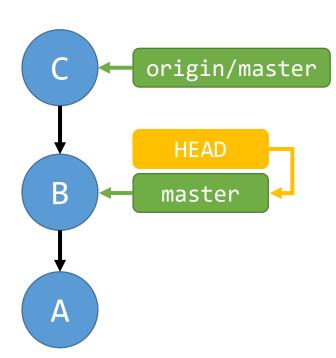
- \$ git fetch upstream
- \$ git checkout master
- \$ git merge upstream/master
- \$ git push origin master



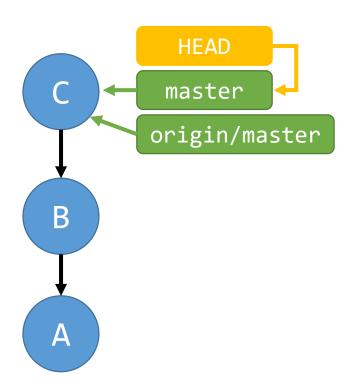
1. git fetch origin

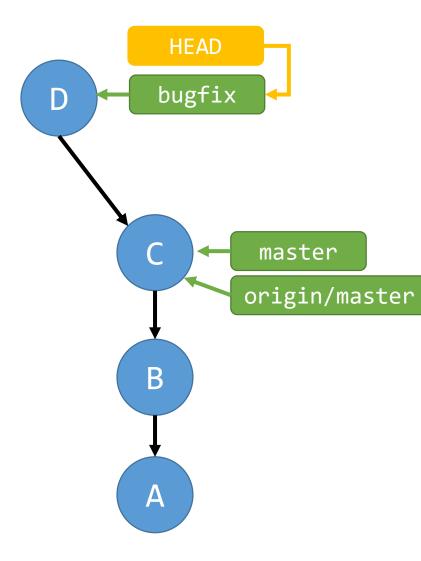


git fetch origin
 git merge origin/master

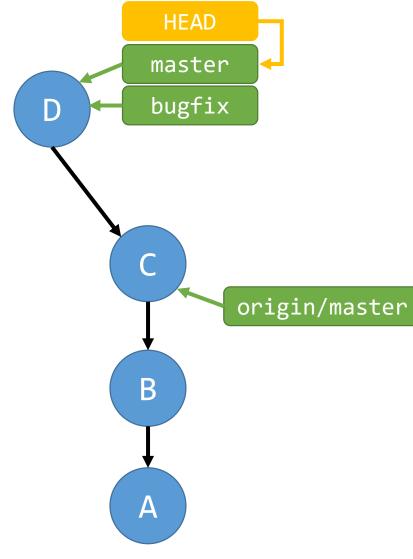


git fetch origin
 git merge origin/master

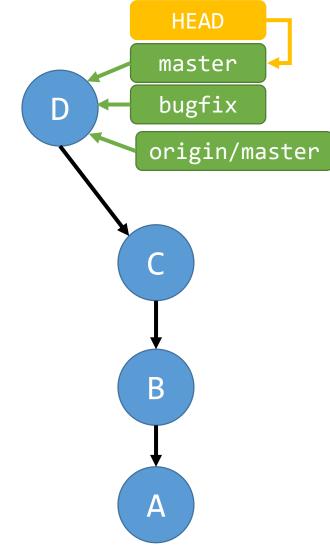




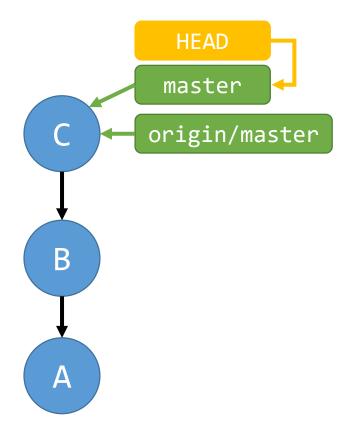
- 1. git fetch origin
- 2. git merge origin/master
- 3. git checkout -b bugfix git commit -m "D"

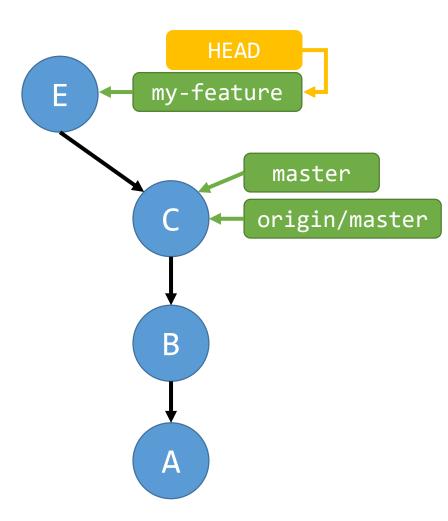


- 1. git fetch origin
- 2. git merge origin/master
- 3. git checkout -b bugfix
 git commit -m "D"
- 4. git checkout master
 git merge bugfix

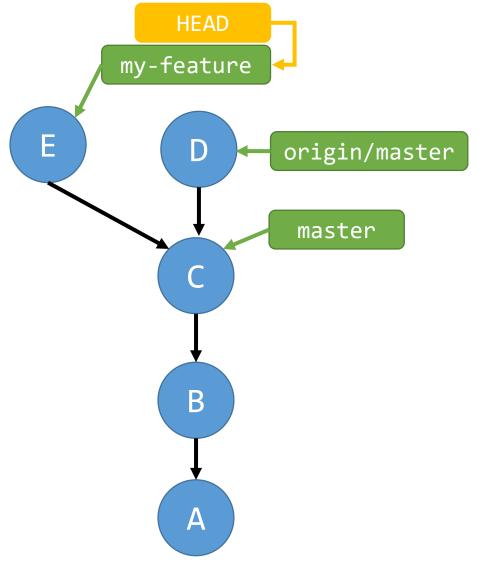


- 1. git fetch origin
- 2. git merge origin/master
- 3. git checkout -b bugfix git commit -m "D"
- 4. git checkout master
 git merge bugfix
- 5. git push origin master

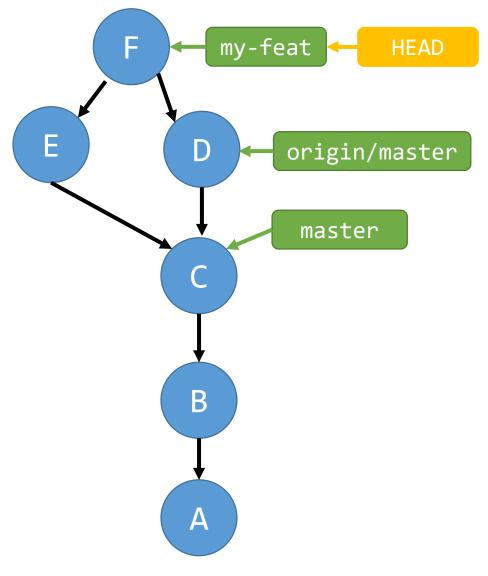




1. git checkout -b my-feature git commit -m "E"

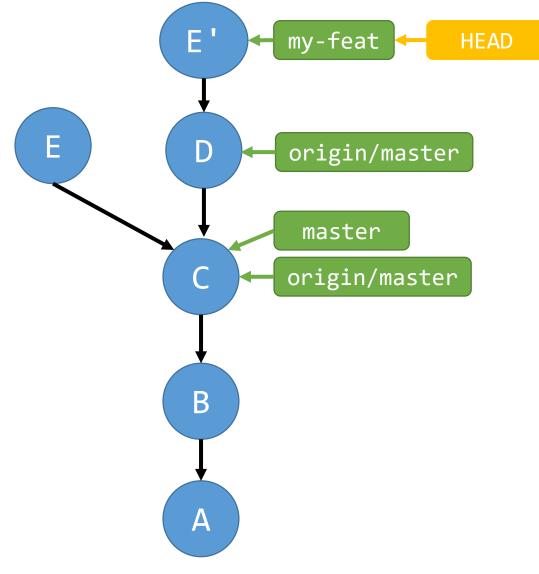


- 1. git checkout -b my-feature
 git commit -m "E"
- 2. git fetch origin



- 1. git checkout -b my-feature
 git commit -m "E"
- 2. git fetch origin
- 3. git merge origin/master

ewww this sucks!

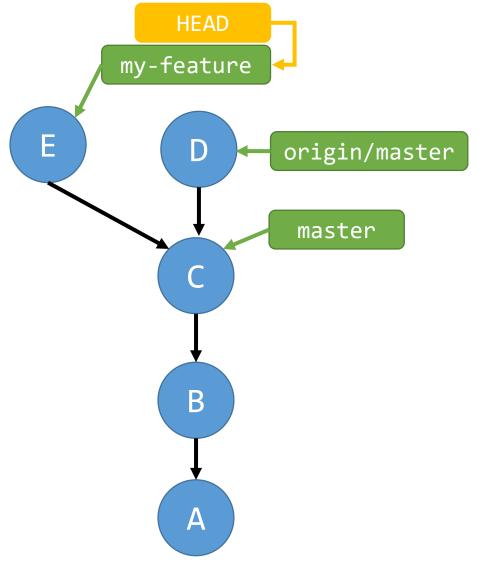


much cleaner!
E' is the same as E but with a
different parent

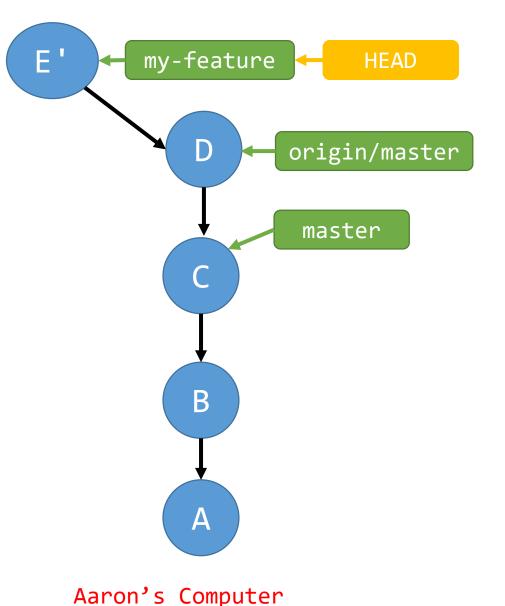
Rebasing

- Rebasing rewrites your git history, replaying the diffs of your commits
- Useful as an alternative to merging when you want to keep history neat





- 1. git checkout -b my-feature
 git commit -m "E"
- 2. git fetch origin



- 1. git checkout -b my-feature
 git commit -m "E"
- 2. git fetch origin
- 3. git rebase origin/master

Activity/Homework

Rebase the changes you made a PR for last week on top of the new upstream/master and push to your branch. Your PR should update automatically.

push -f (force push)