

Distributed Version Control

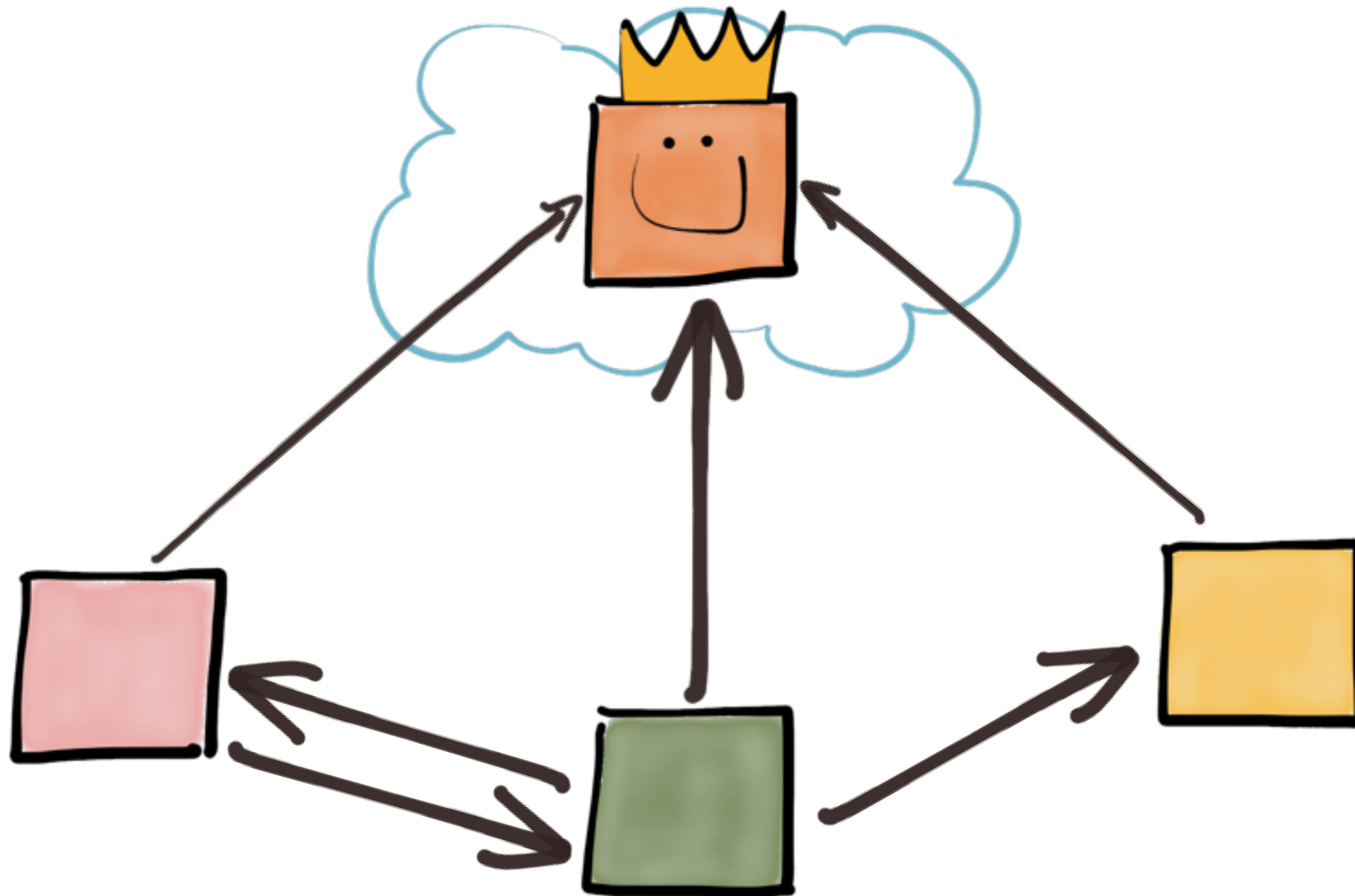


Git Is..

... a Distributed Revision Control System



Multiple Repos



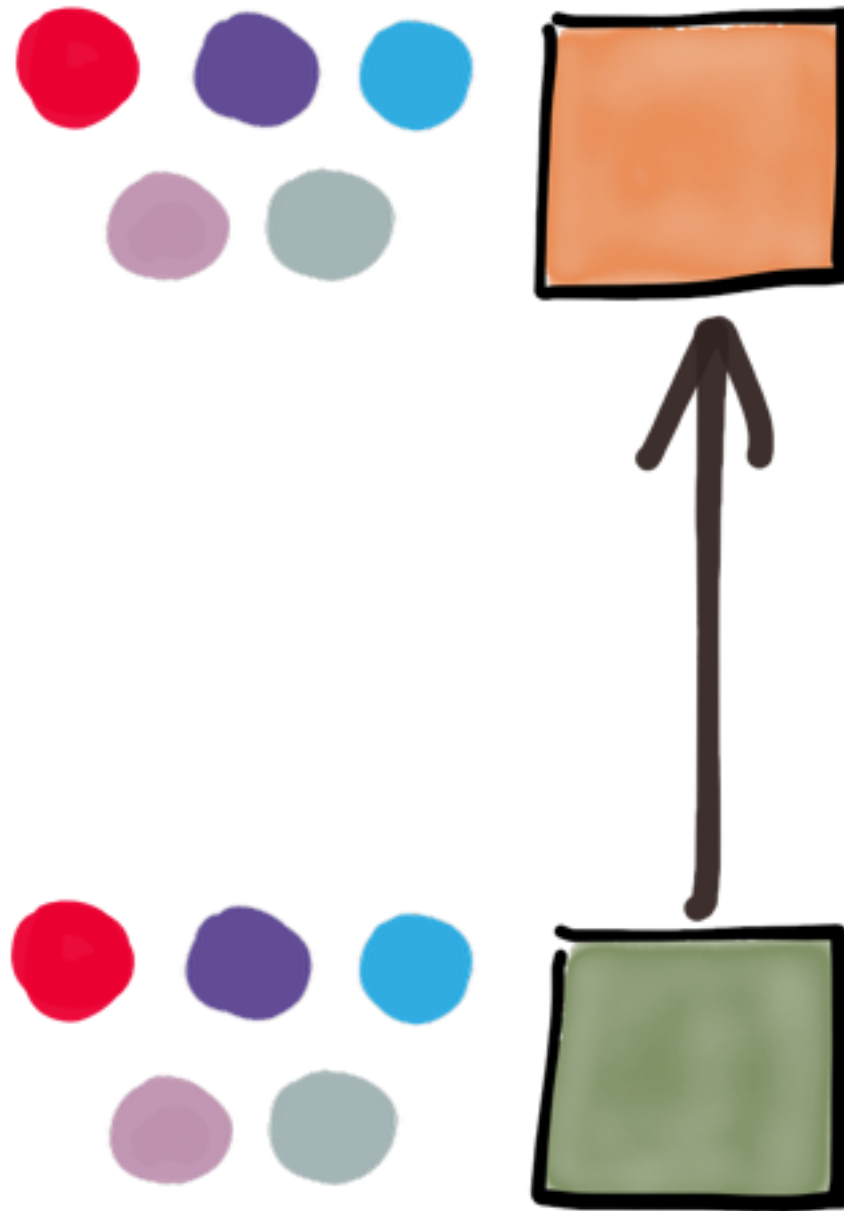
Like a local branch, a remote branch
is just a reference to a commit.

“Apple Pie”

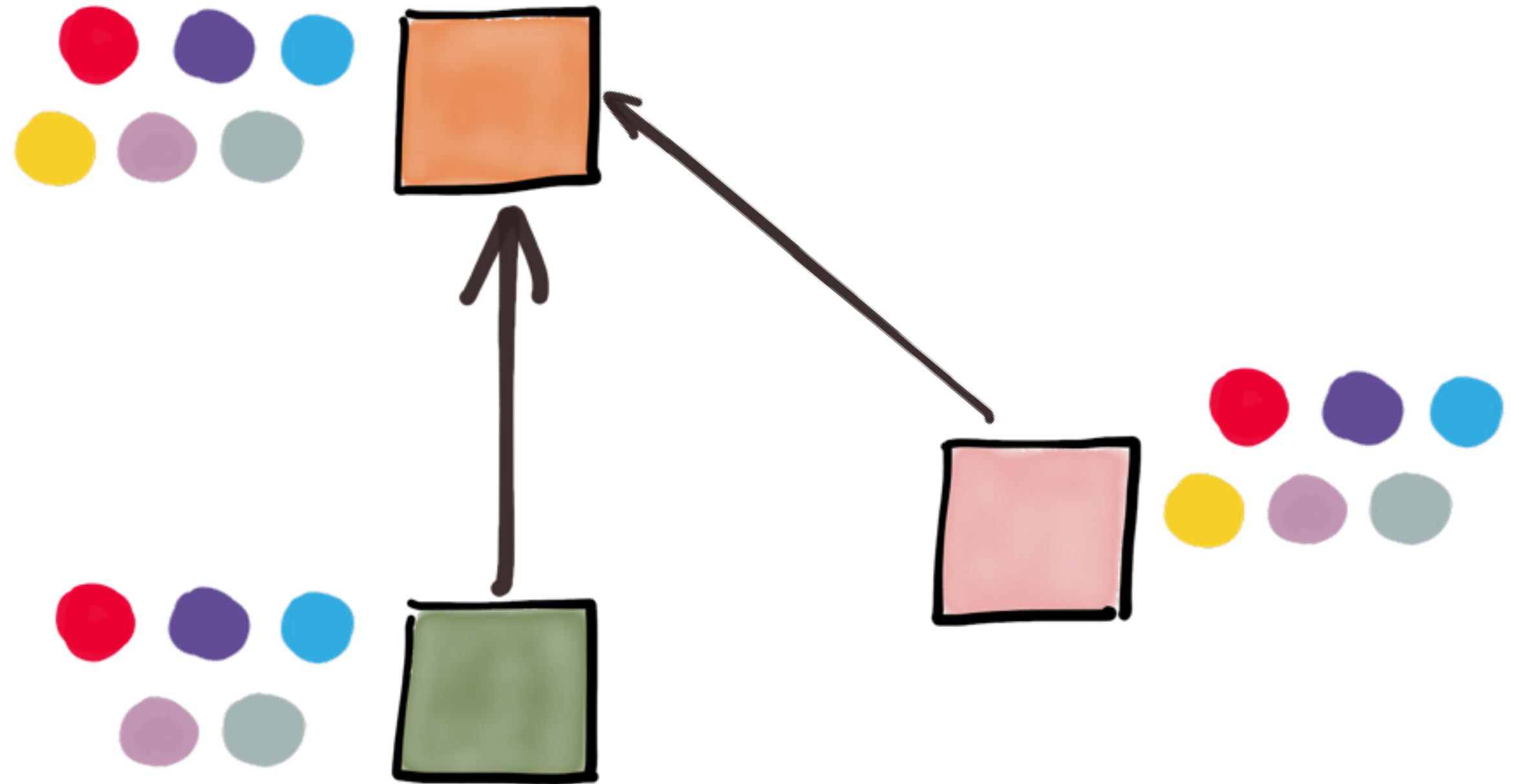


23991897e13e47ed0adb91a0082c31c82fe0cbe5

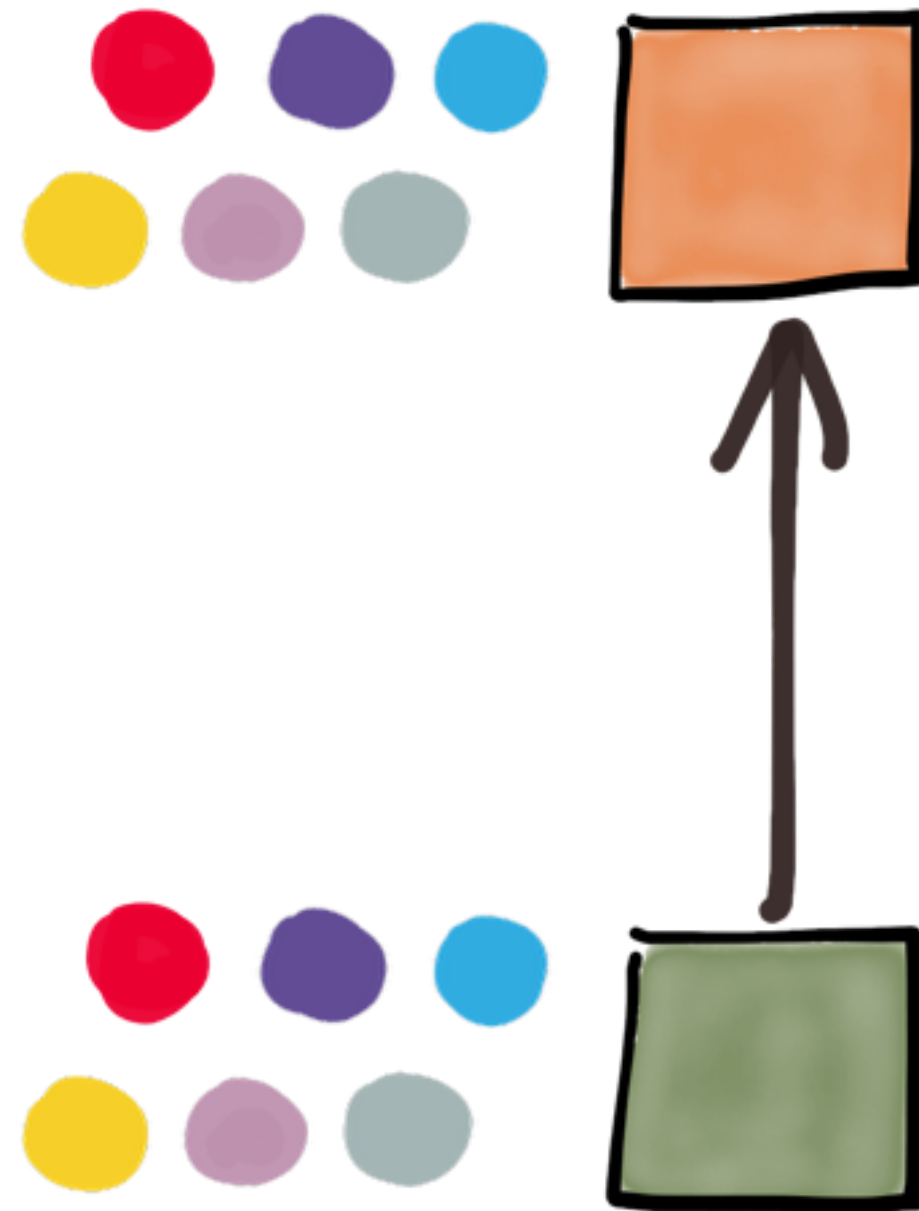
Synchronizing Repos



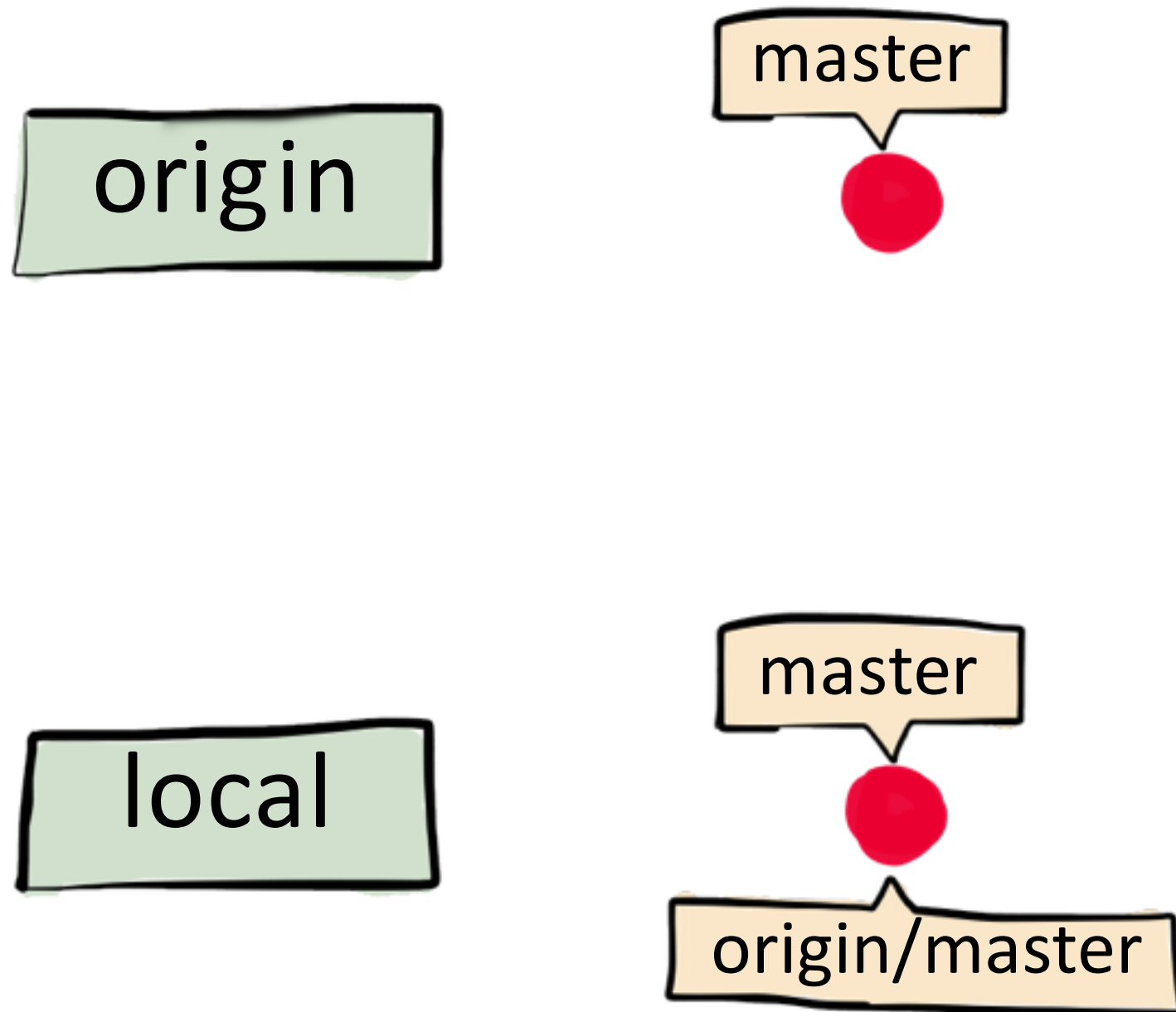
Synchronizing Repos



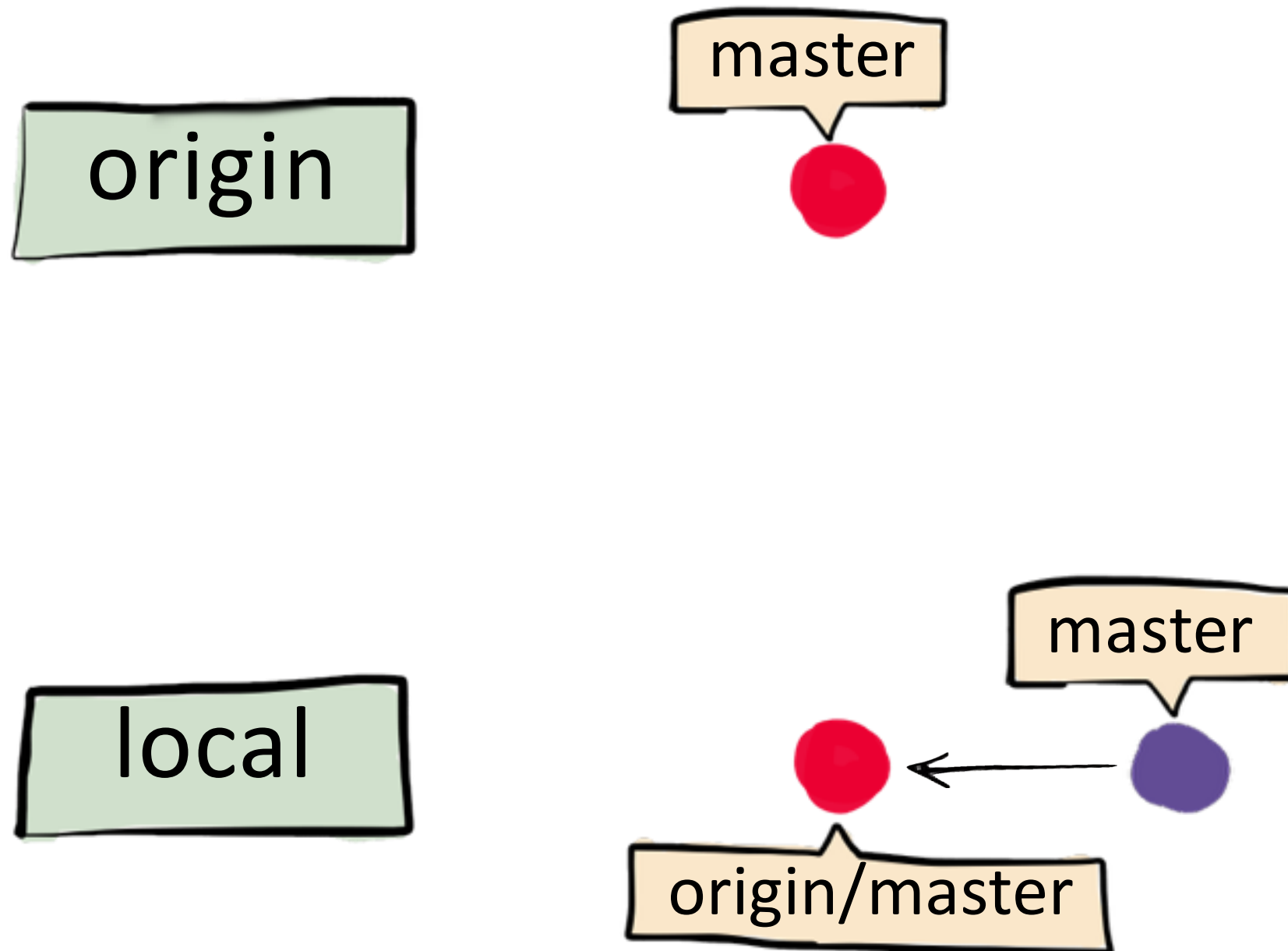
Synchronizing Repos



Synchronizing with a Remote

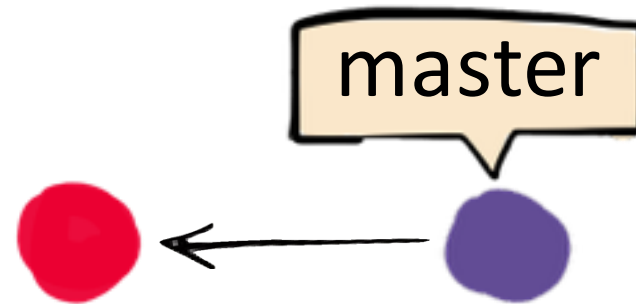


Adding a Commit

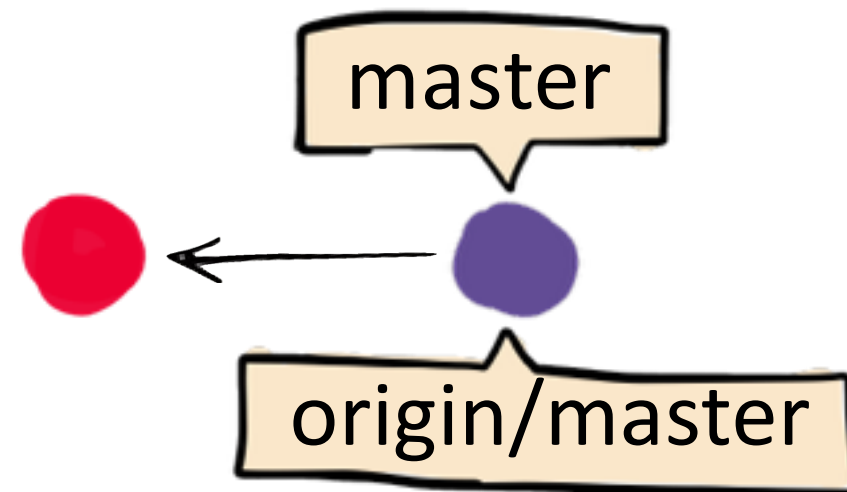


git push

origin

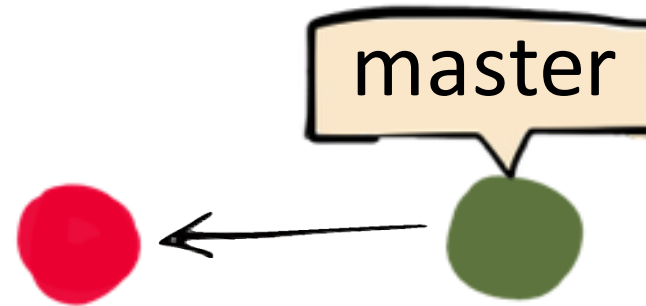


local

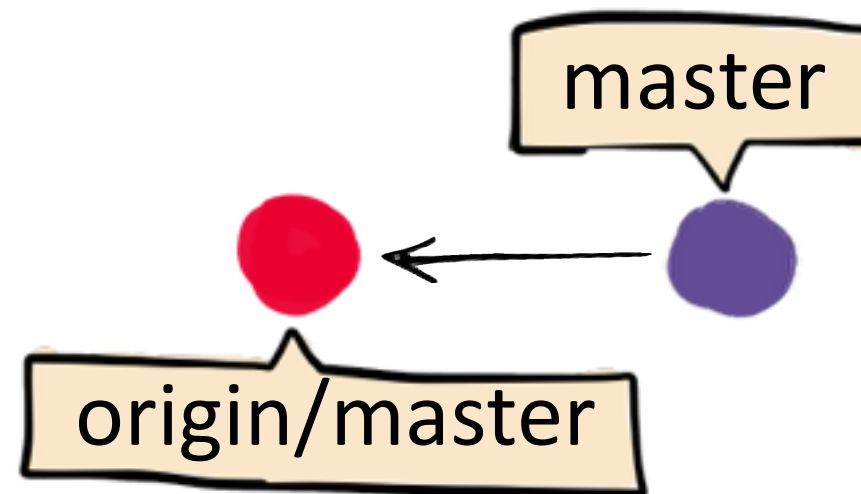


Conflict!

origin

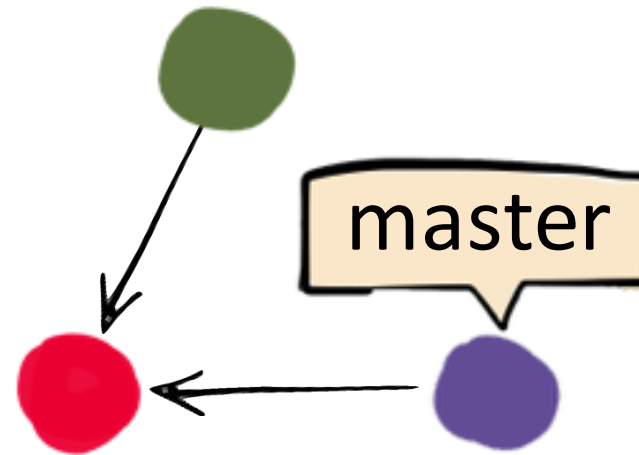


local

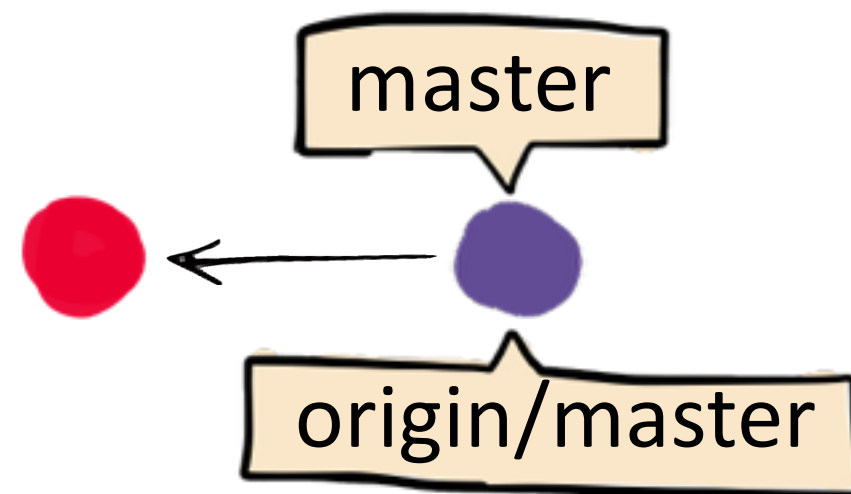


git push -f

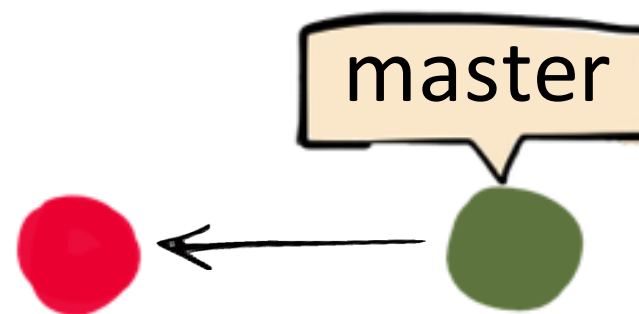
origin



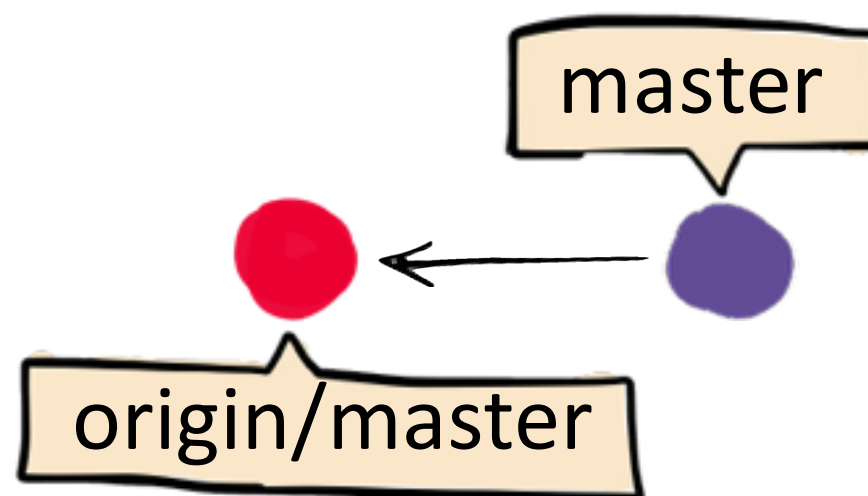
local



origin

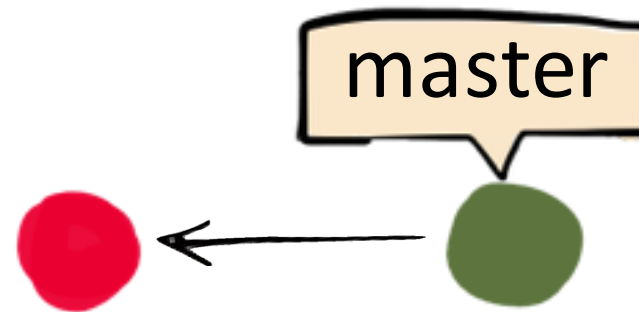


local

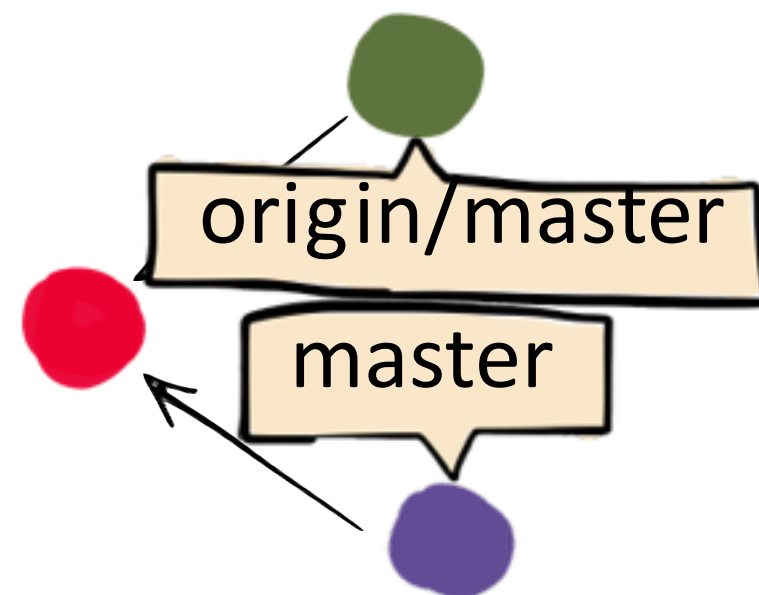


git fetch

origin

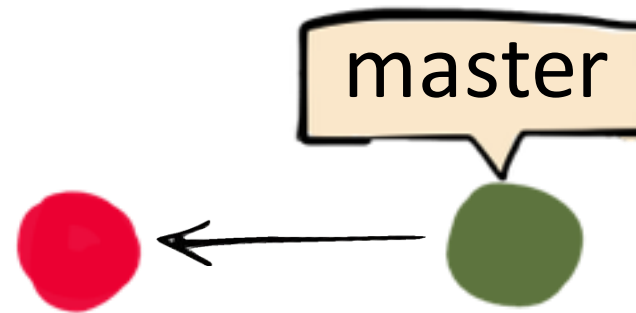


local

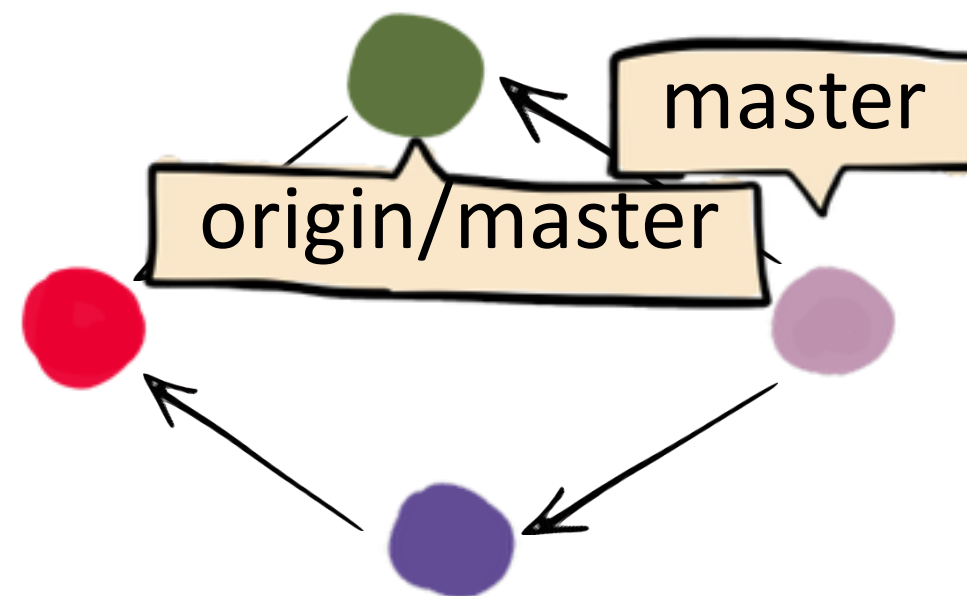


git merge origin/master

origin



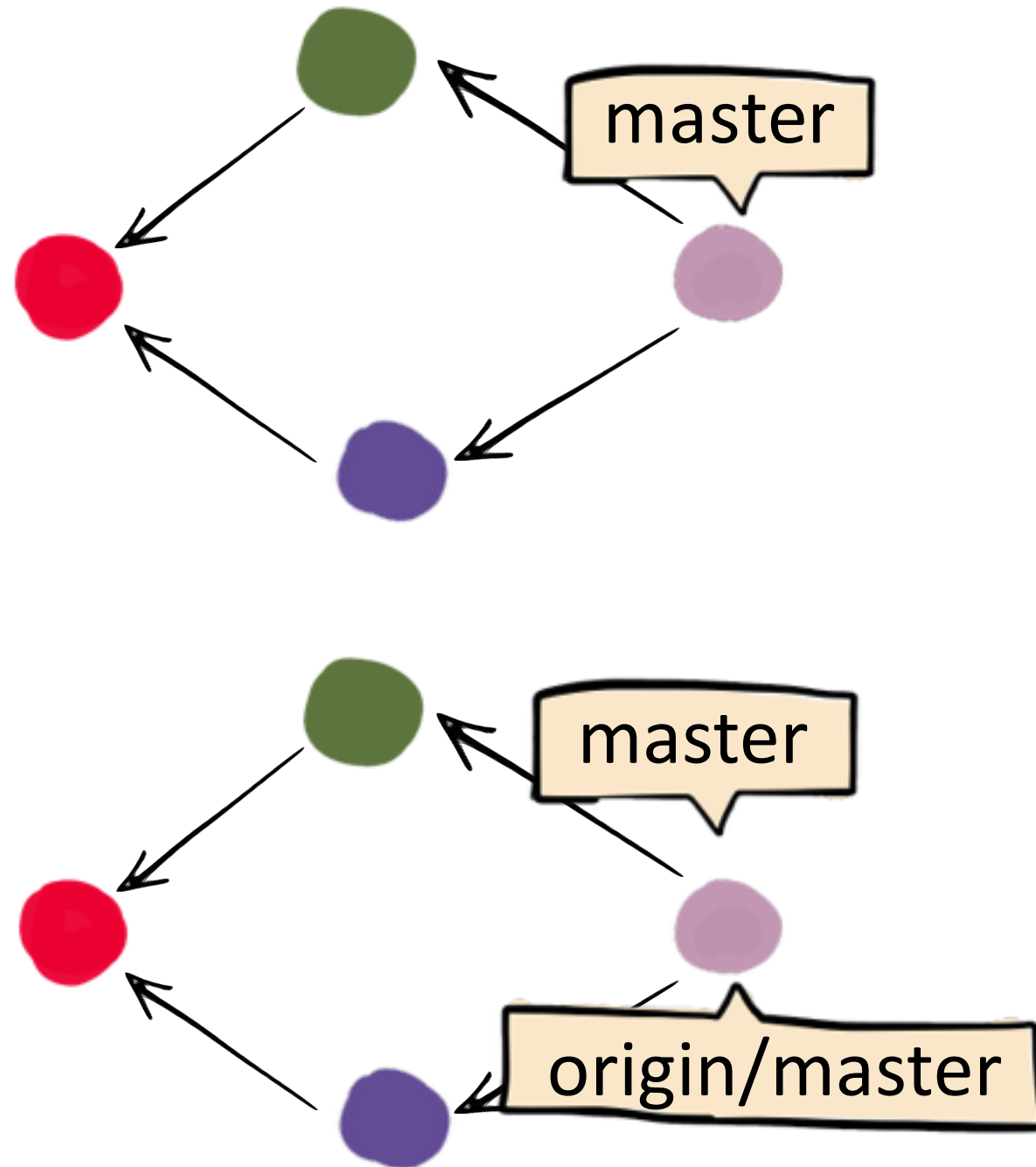
local



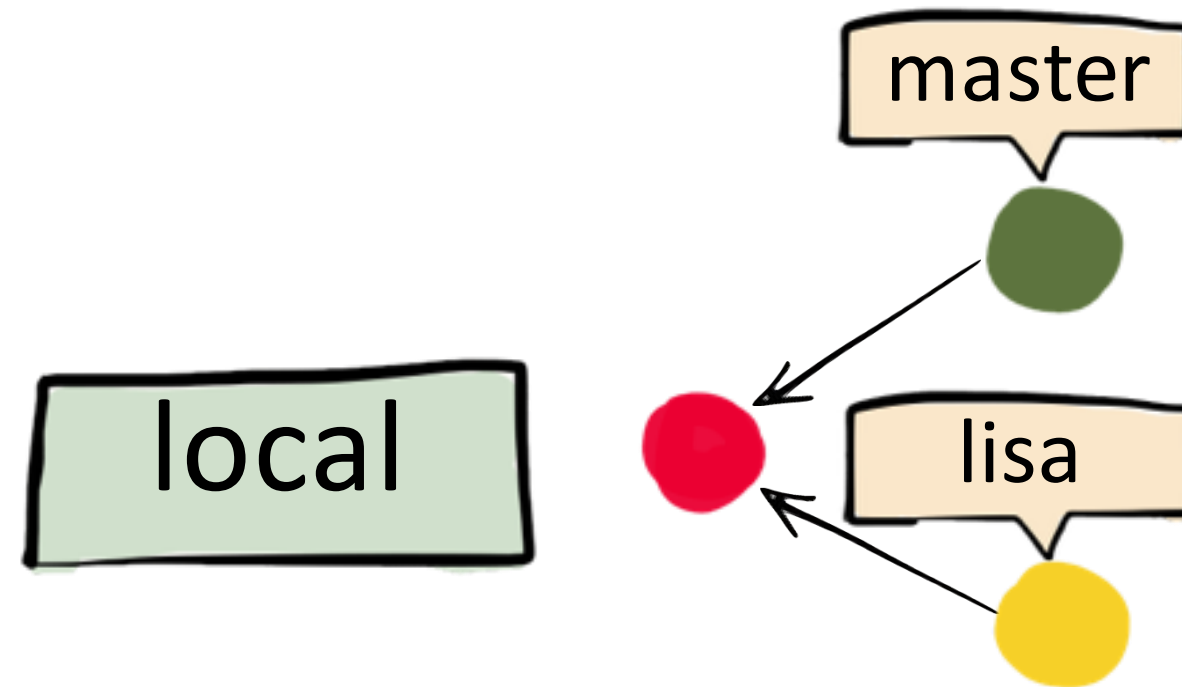
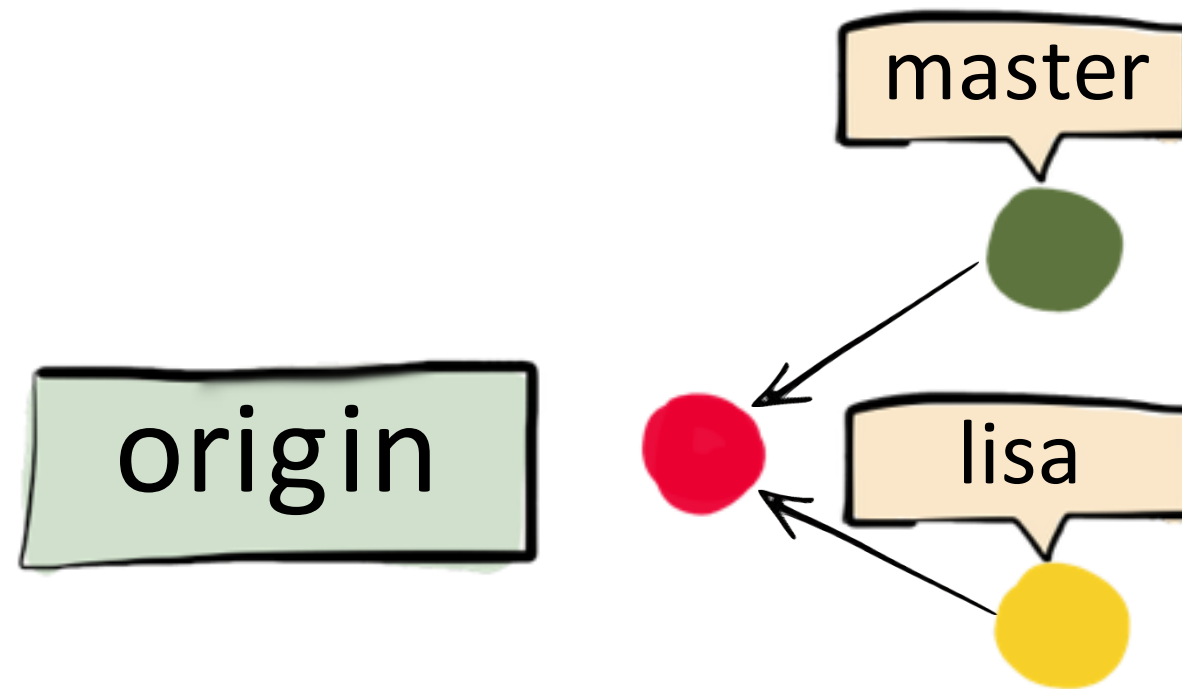
git push

origin

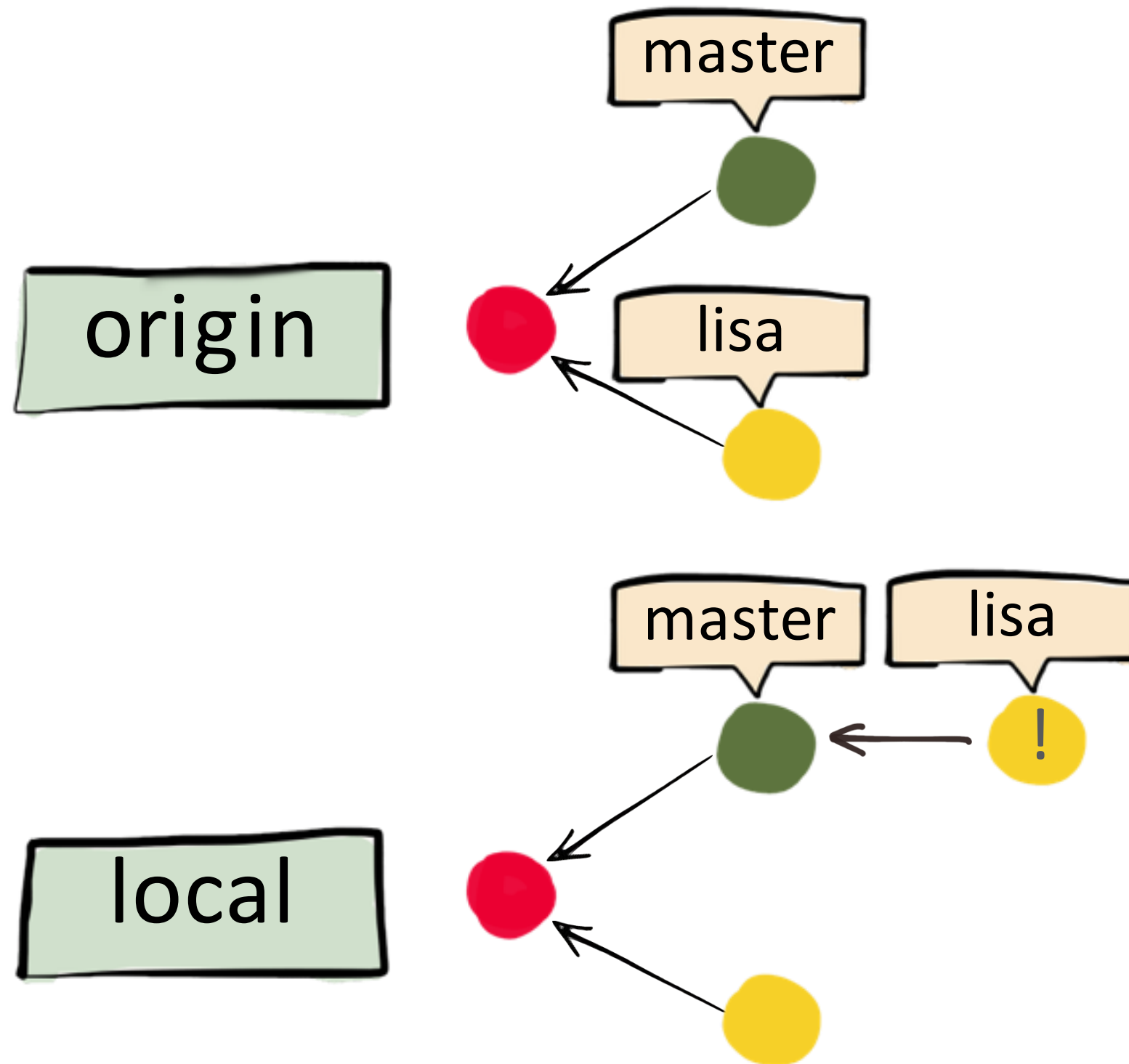
local



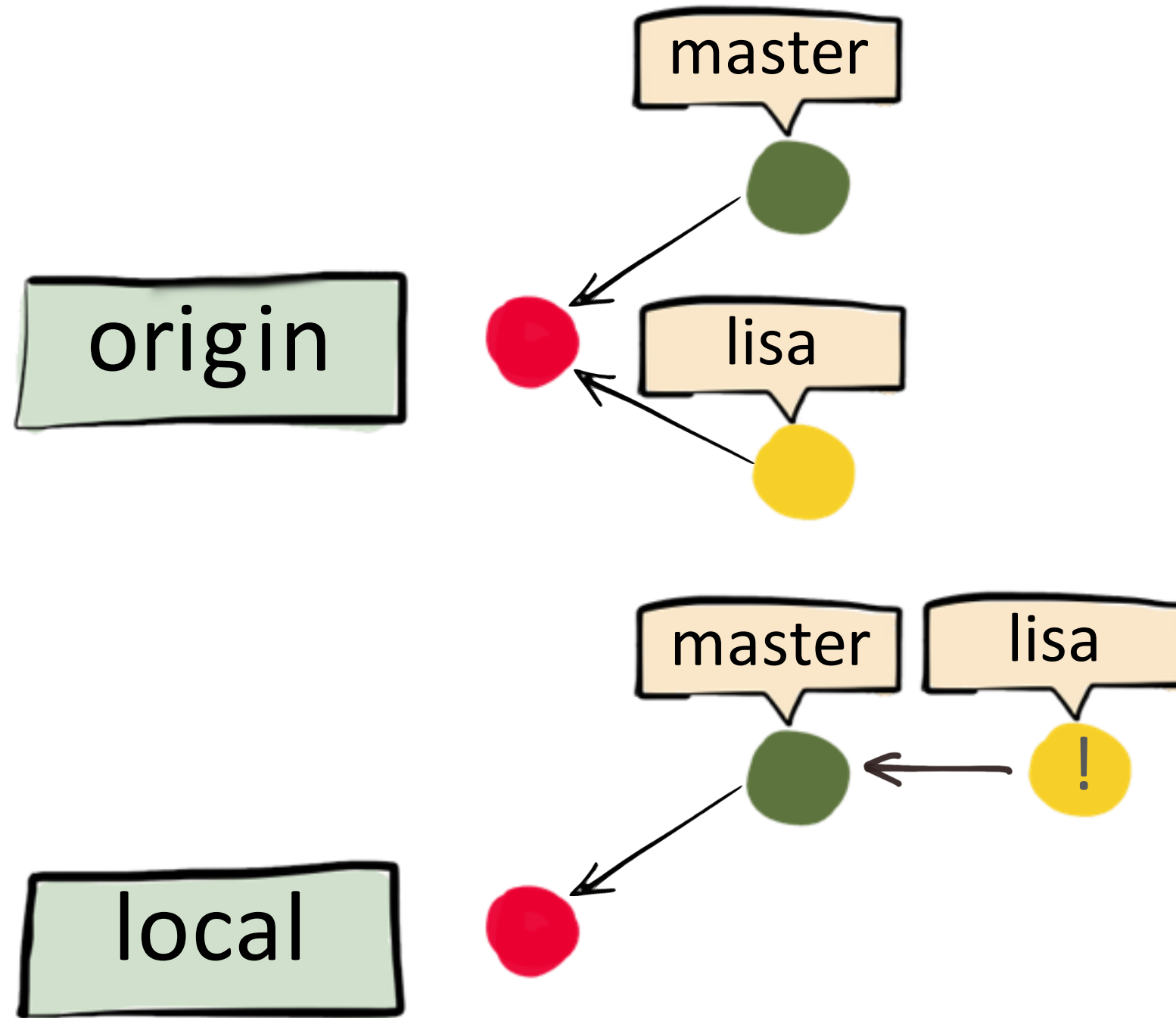
You “pull”, then you “push”.



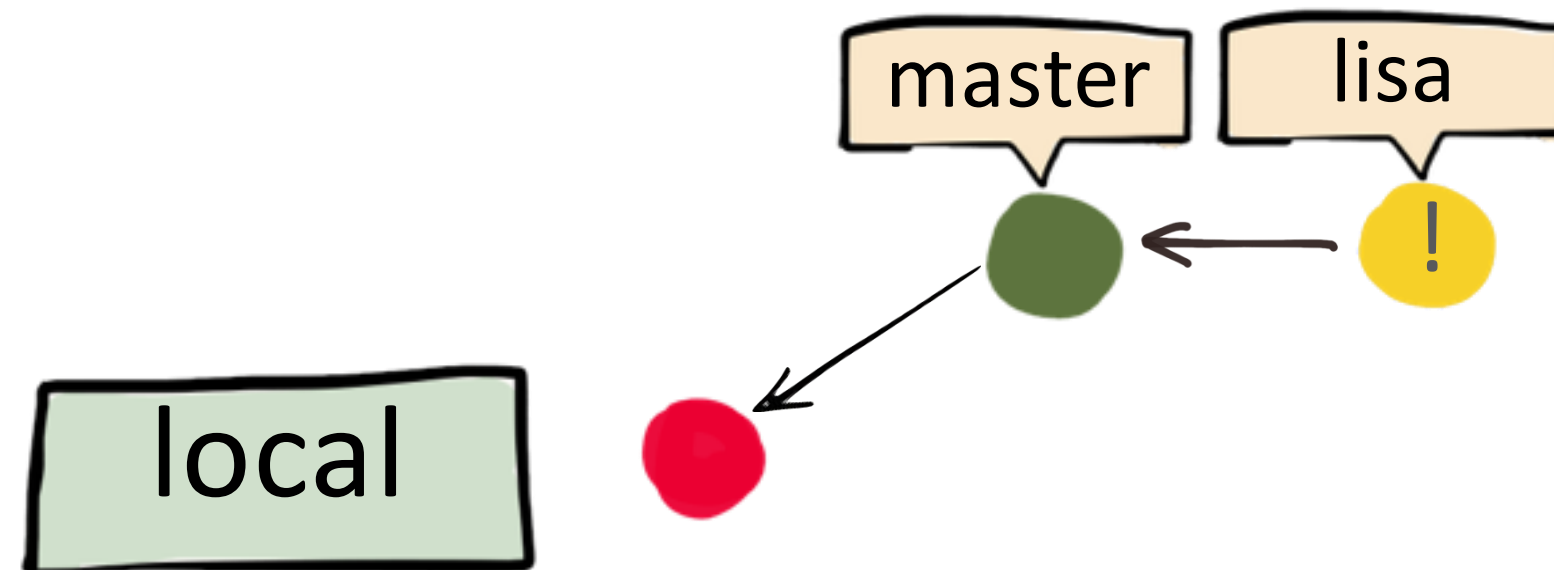
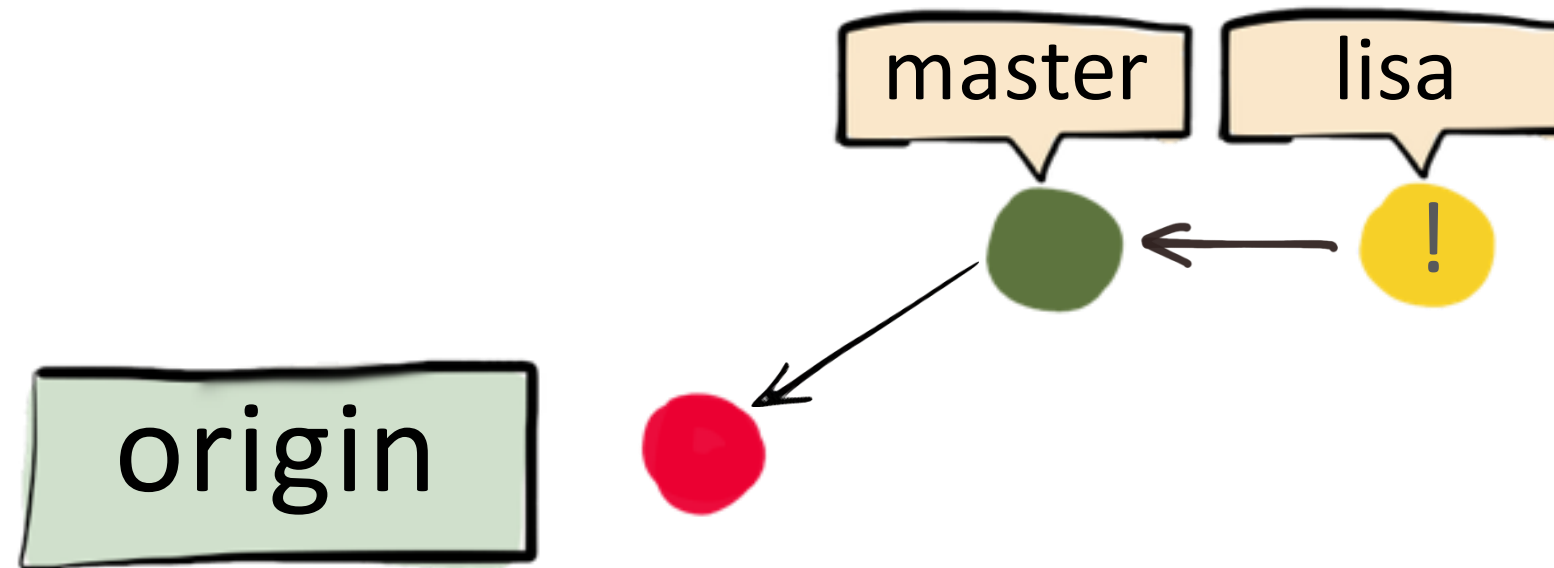
git rebase master



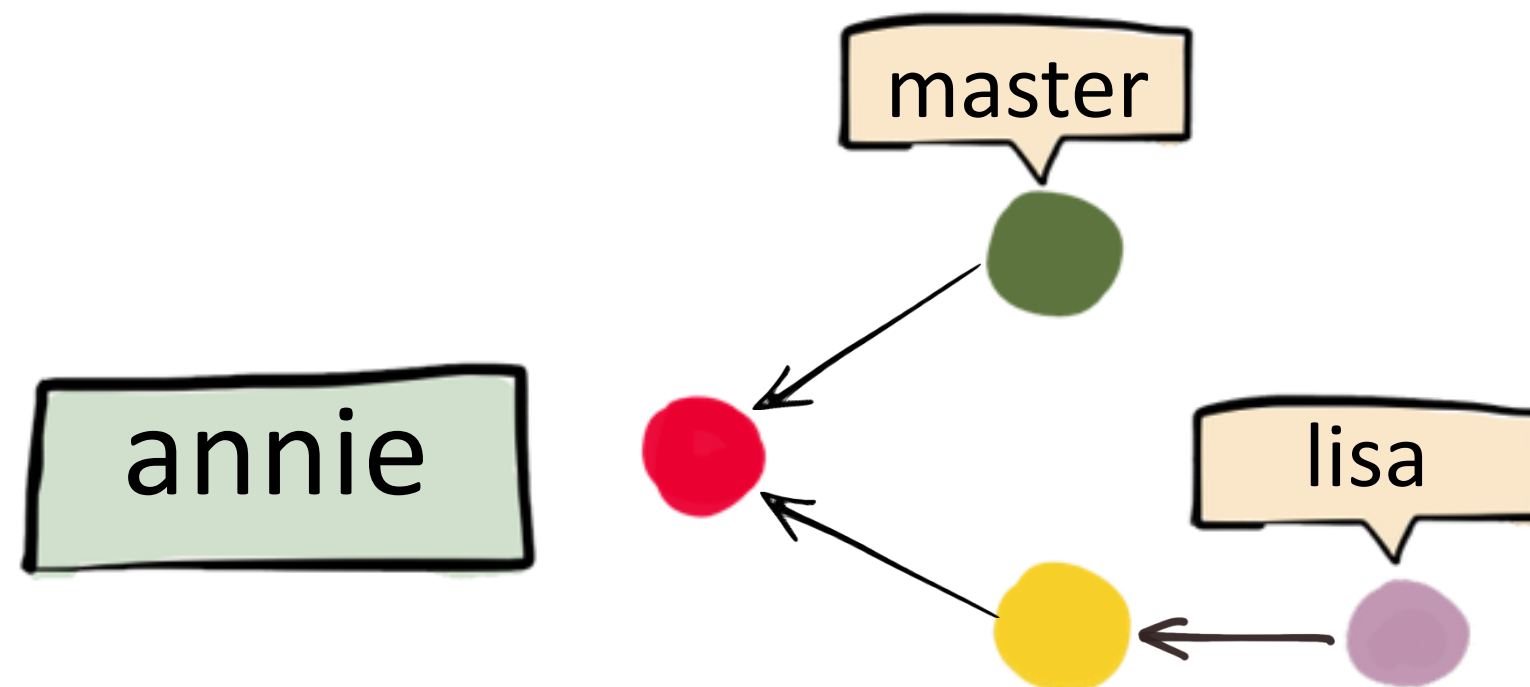
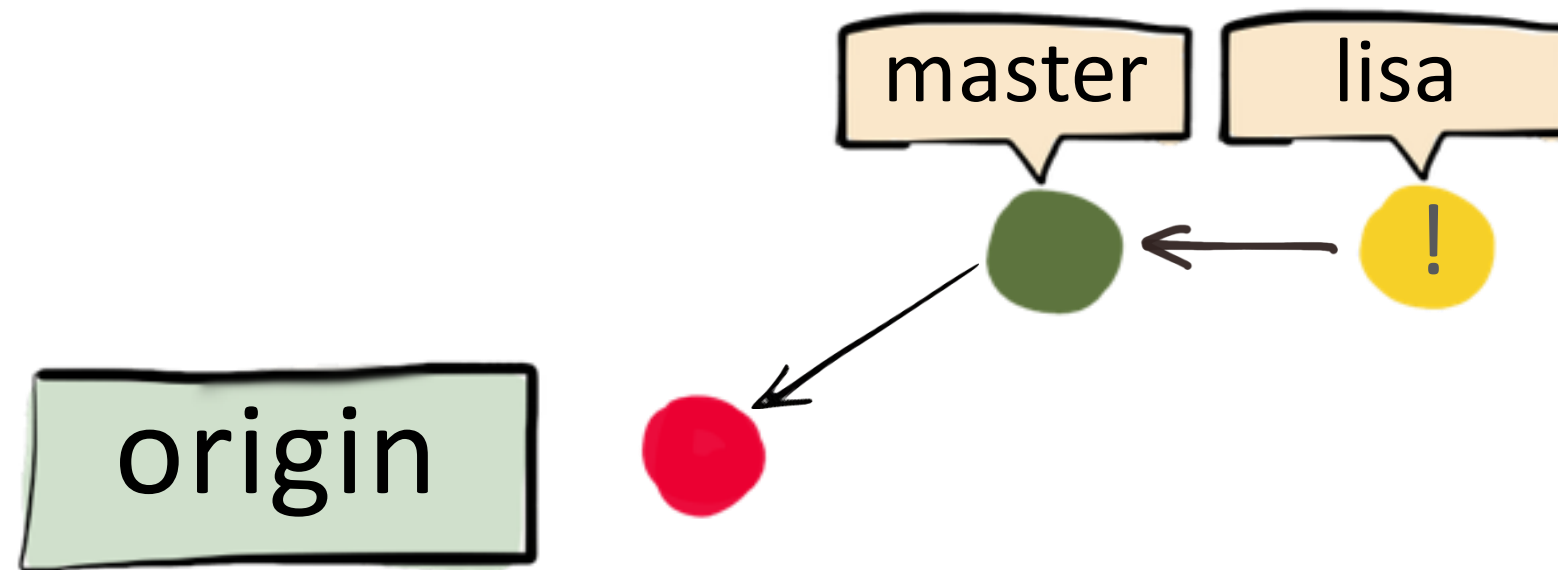
Conflict!



Solve the Conflict



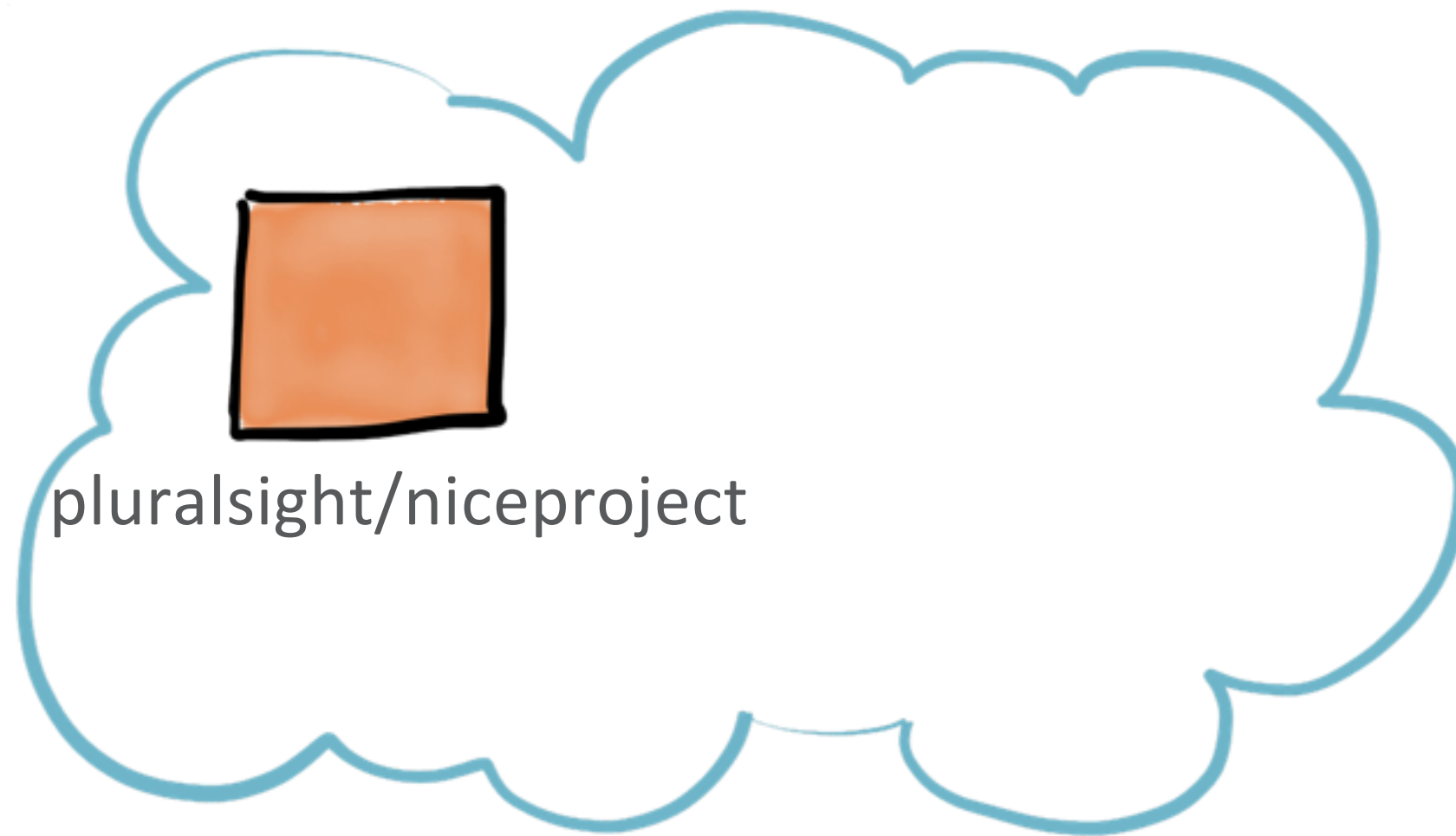
Another User



Never rebase shared commits.

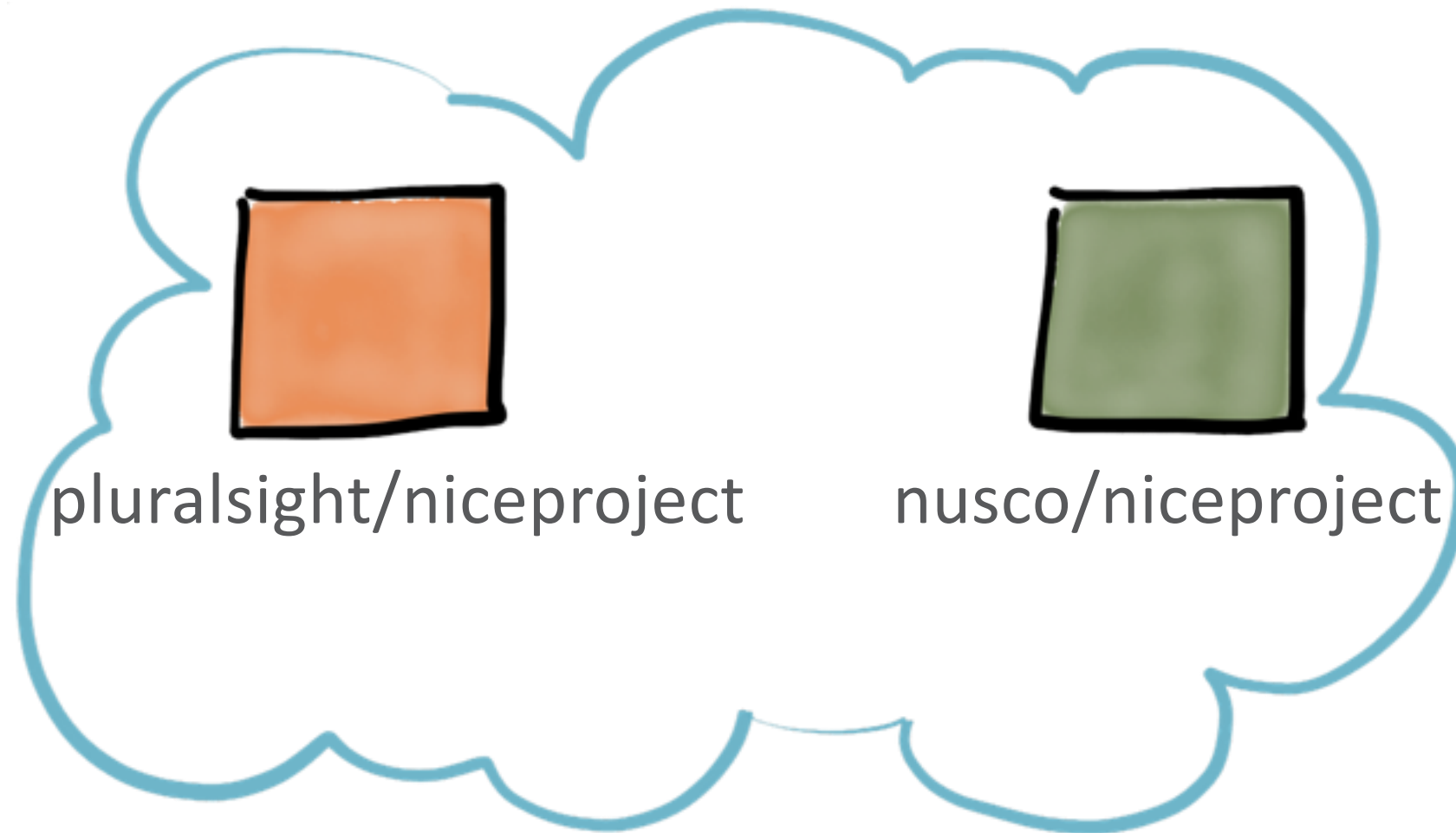
GitHub Features



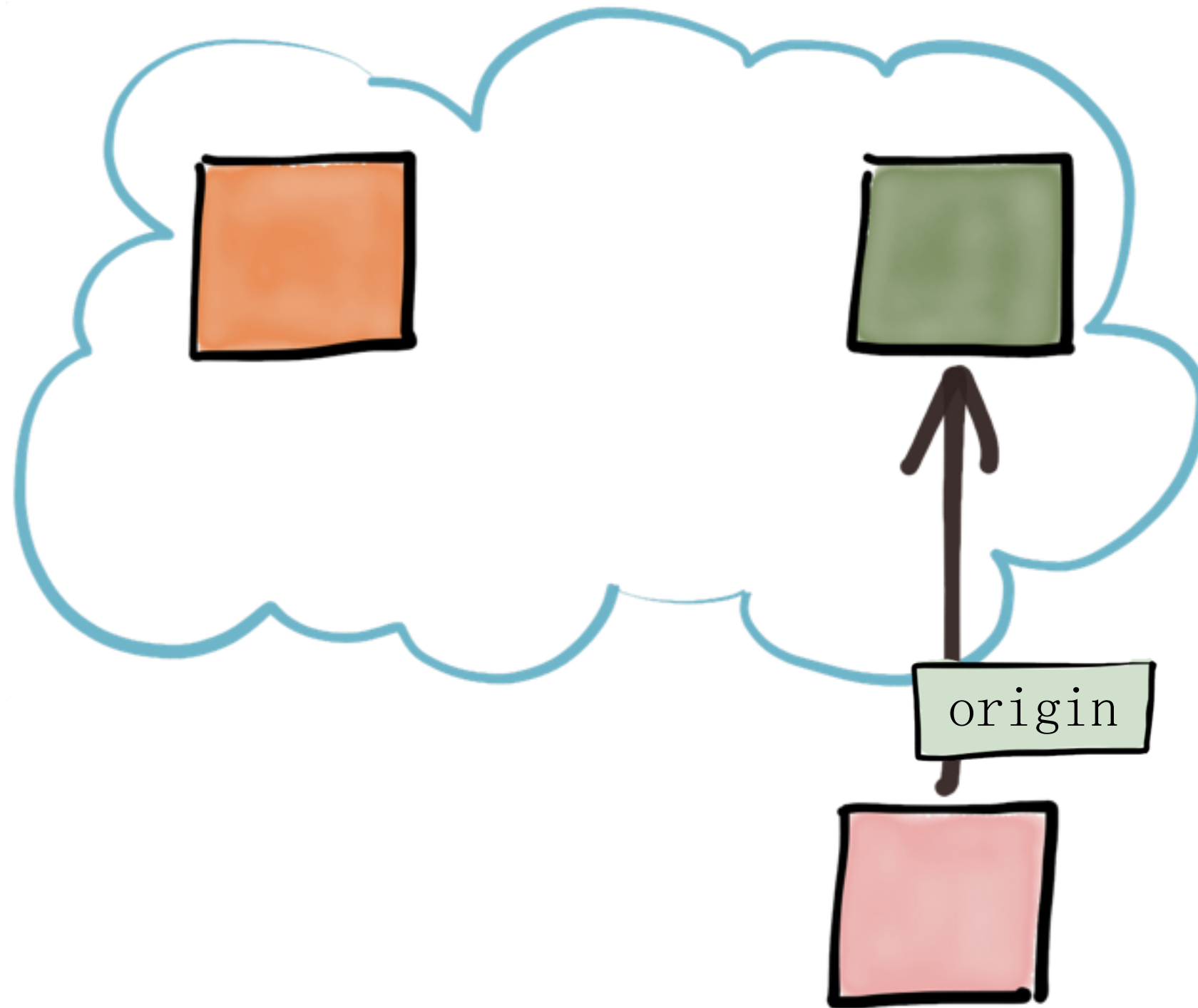


pluralsight/niceproject

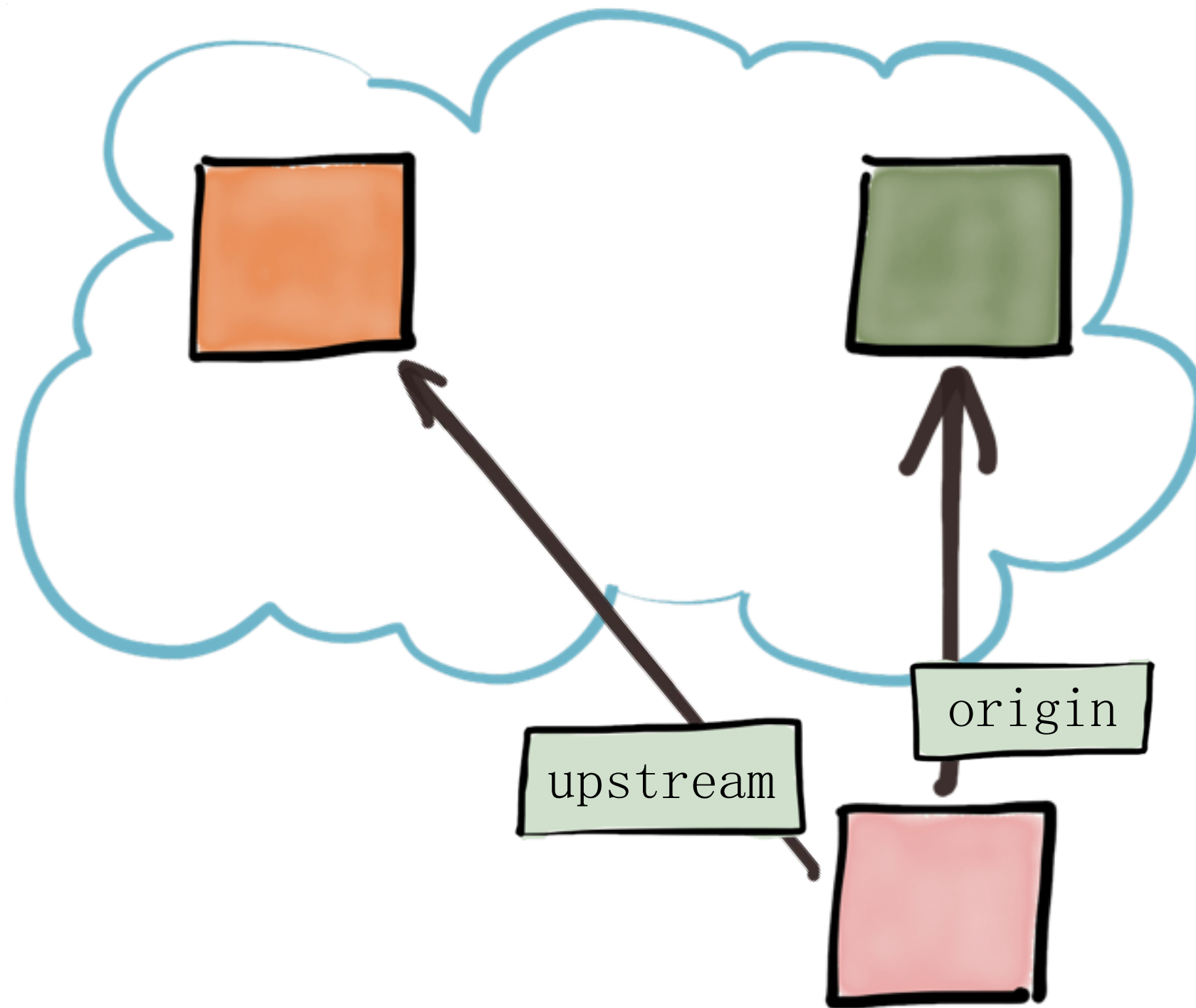
Fork



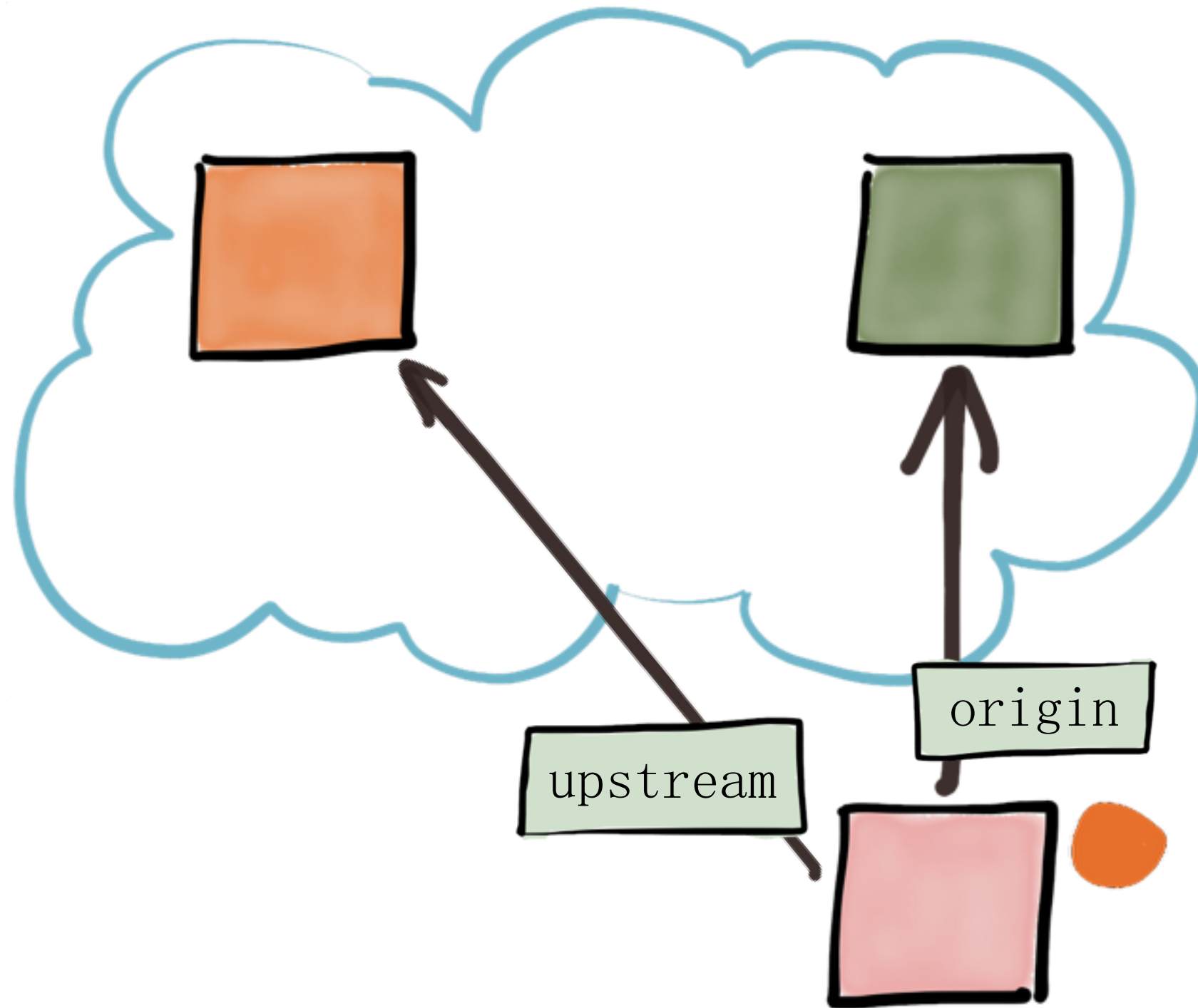
Clone



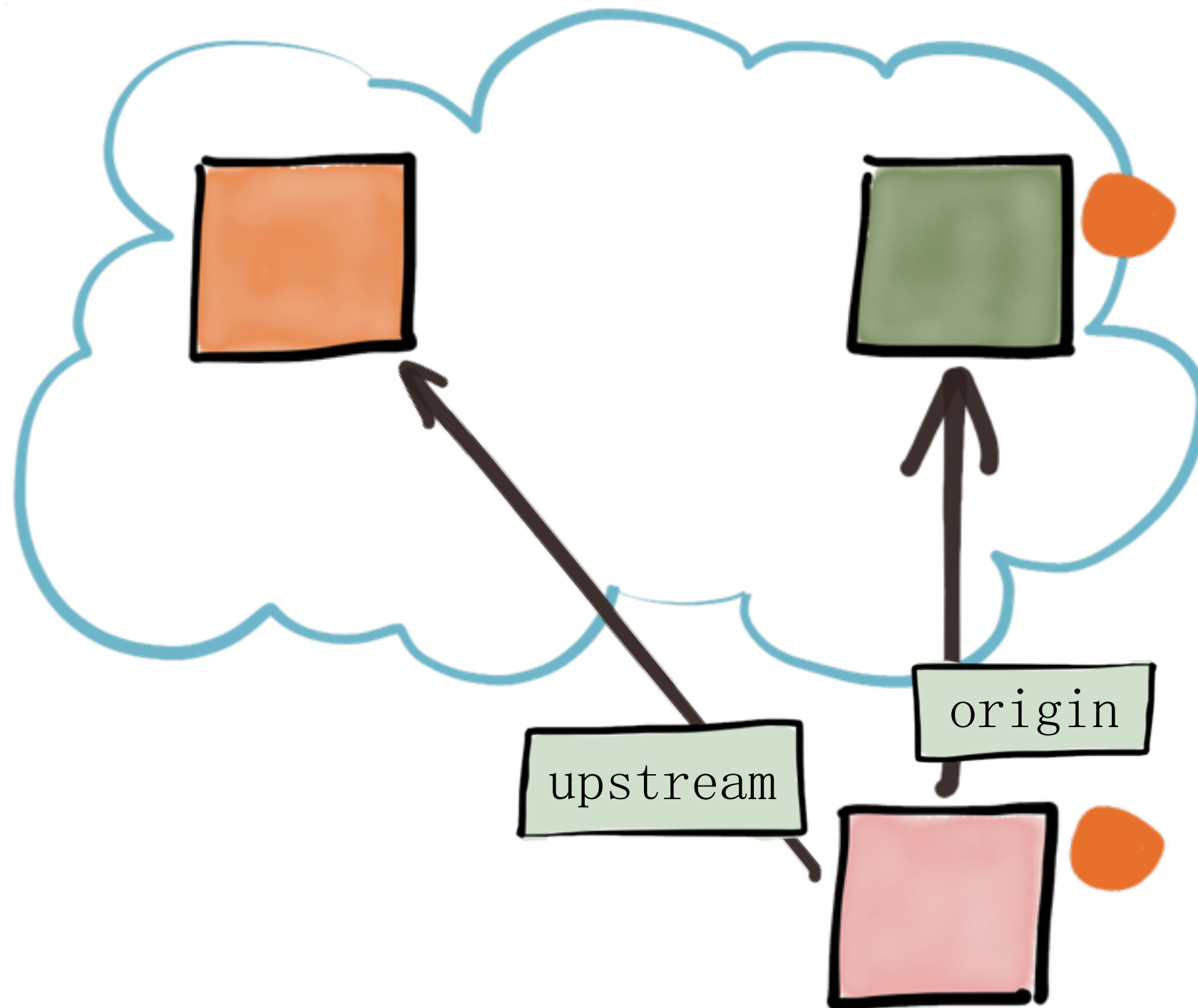
Two Remotes

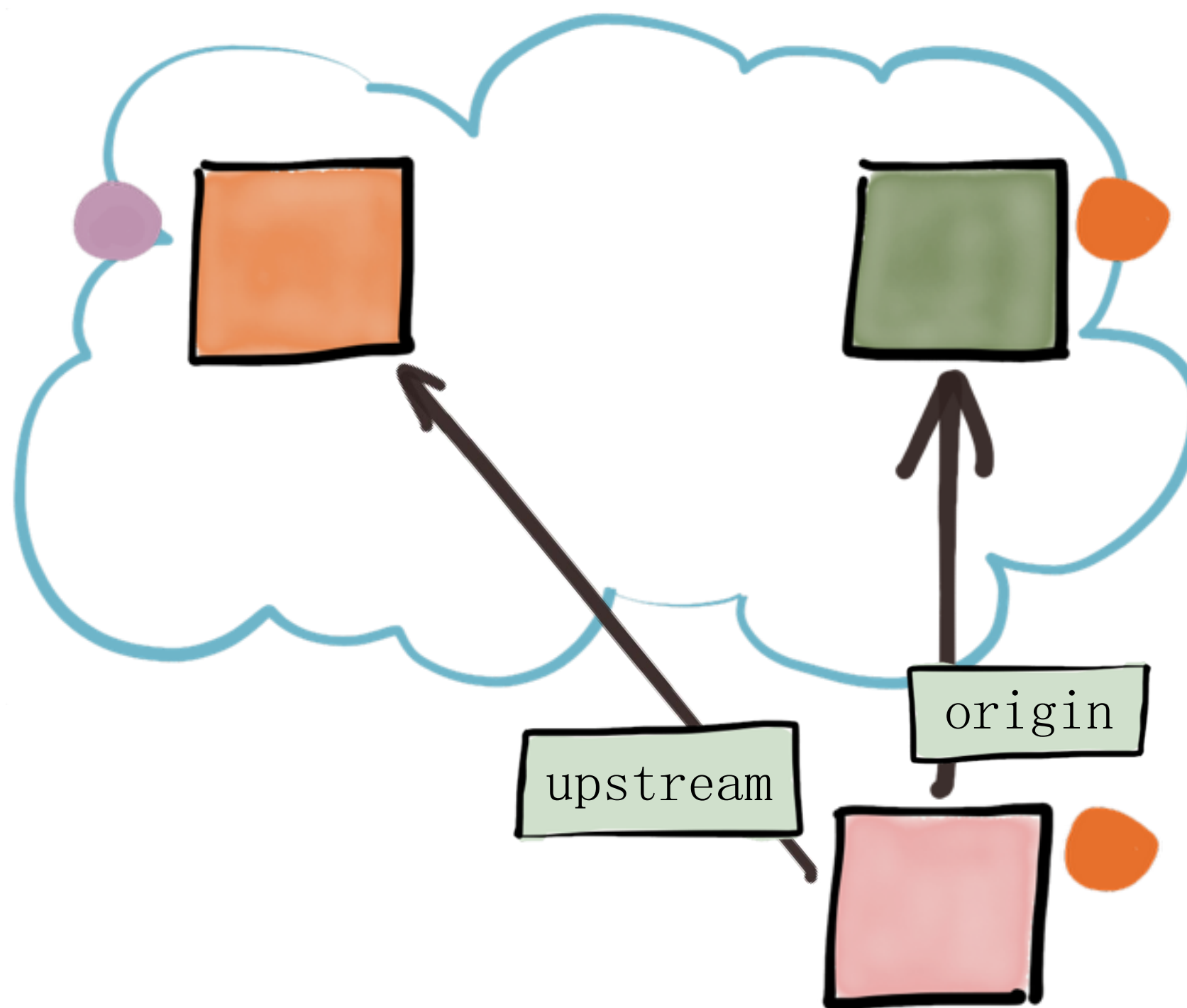


Commit

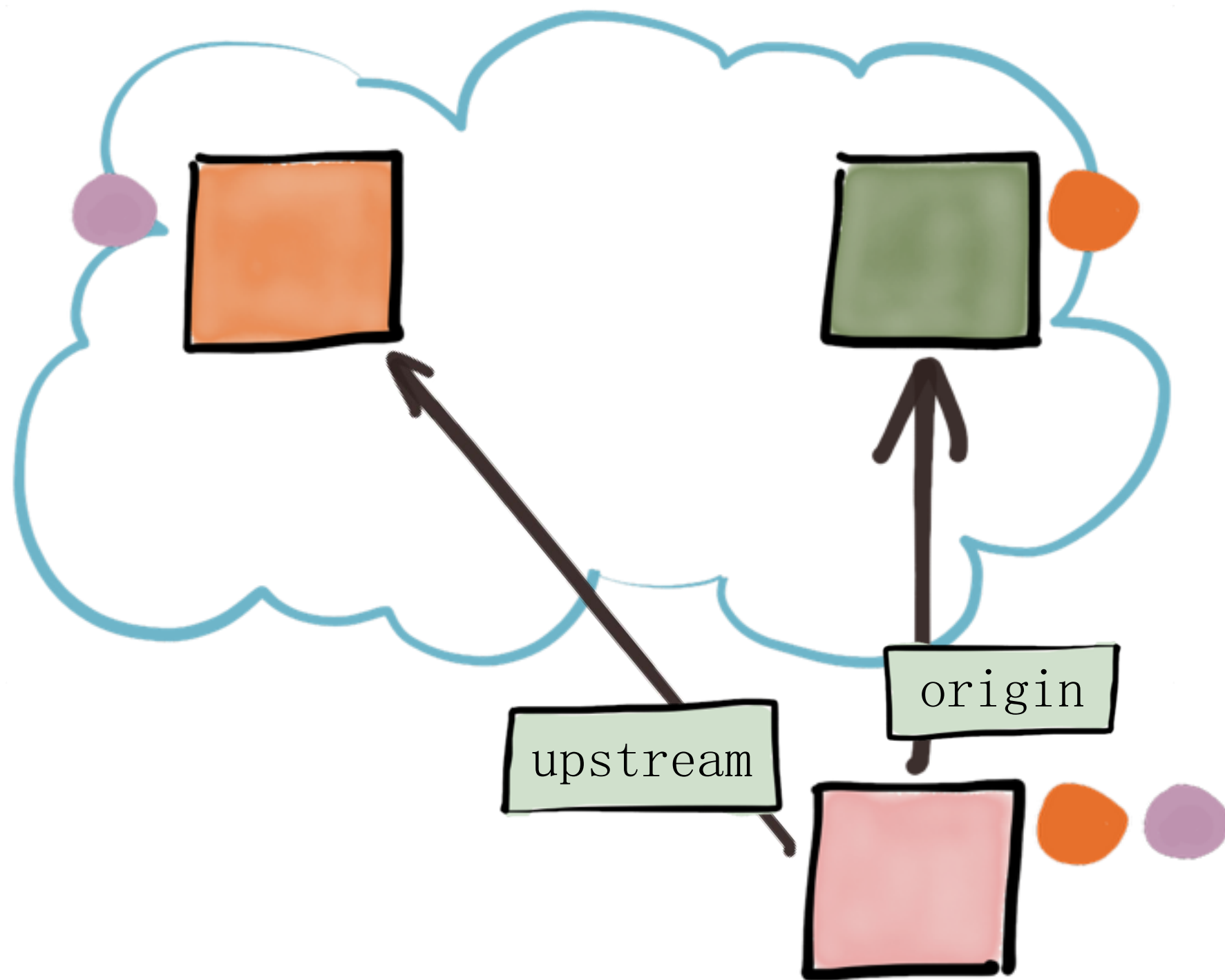


Push to Origin

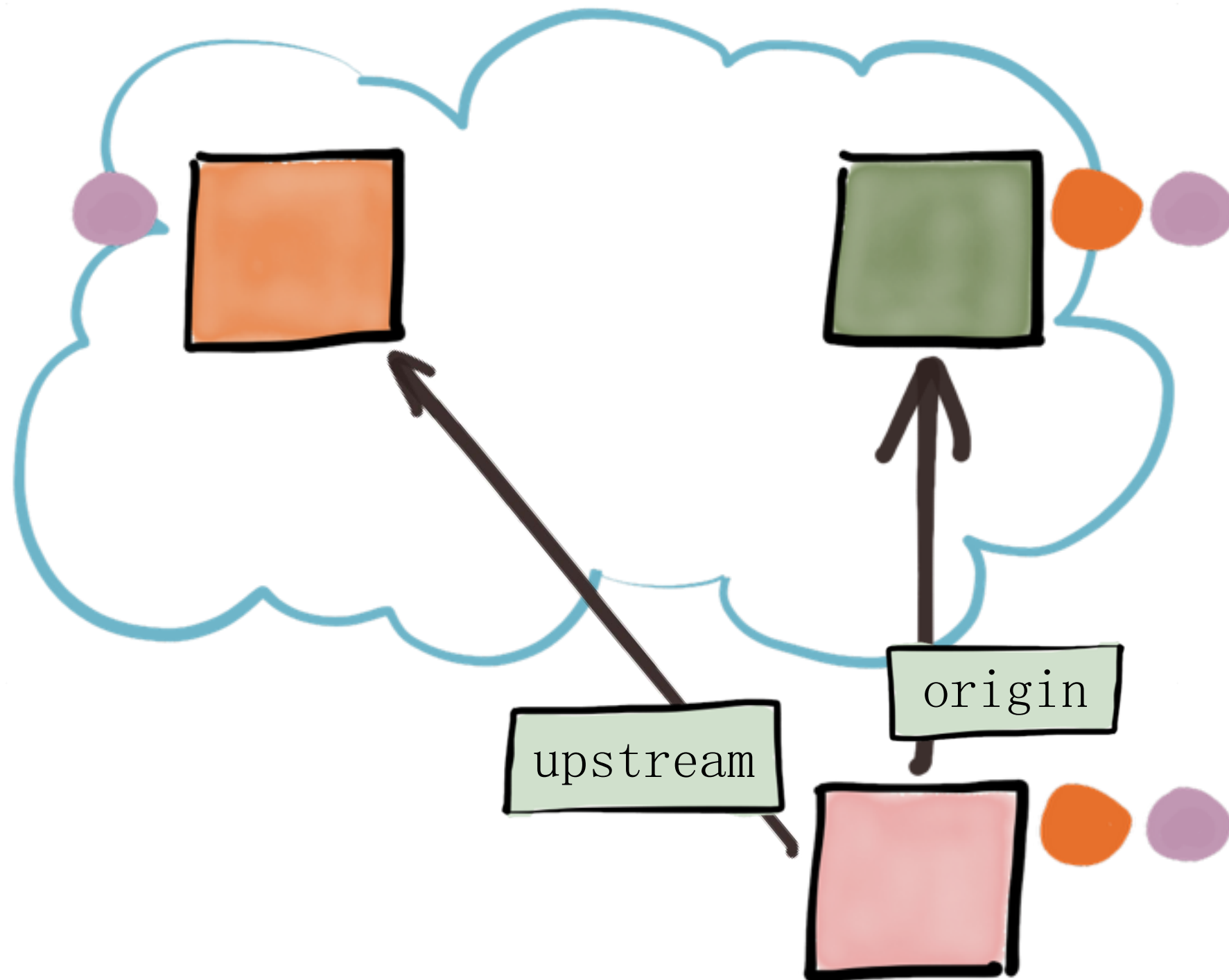




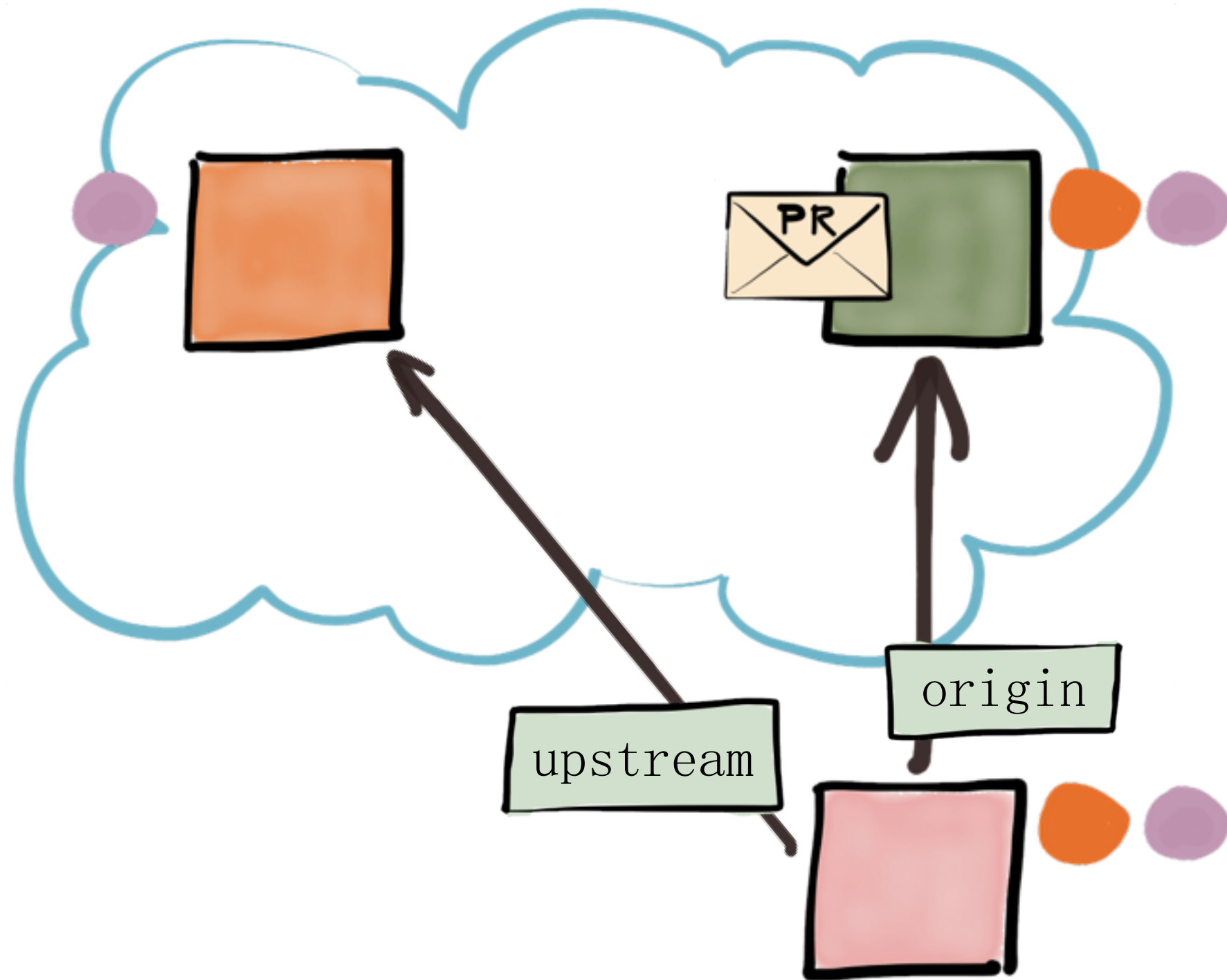
Pull from Upstream



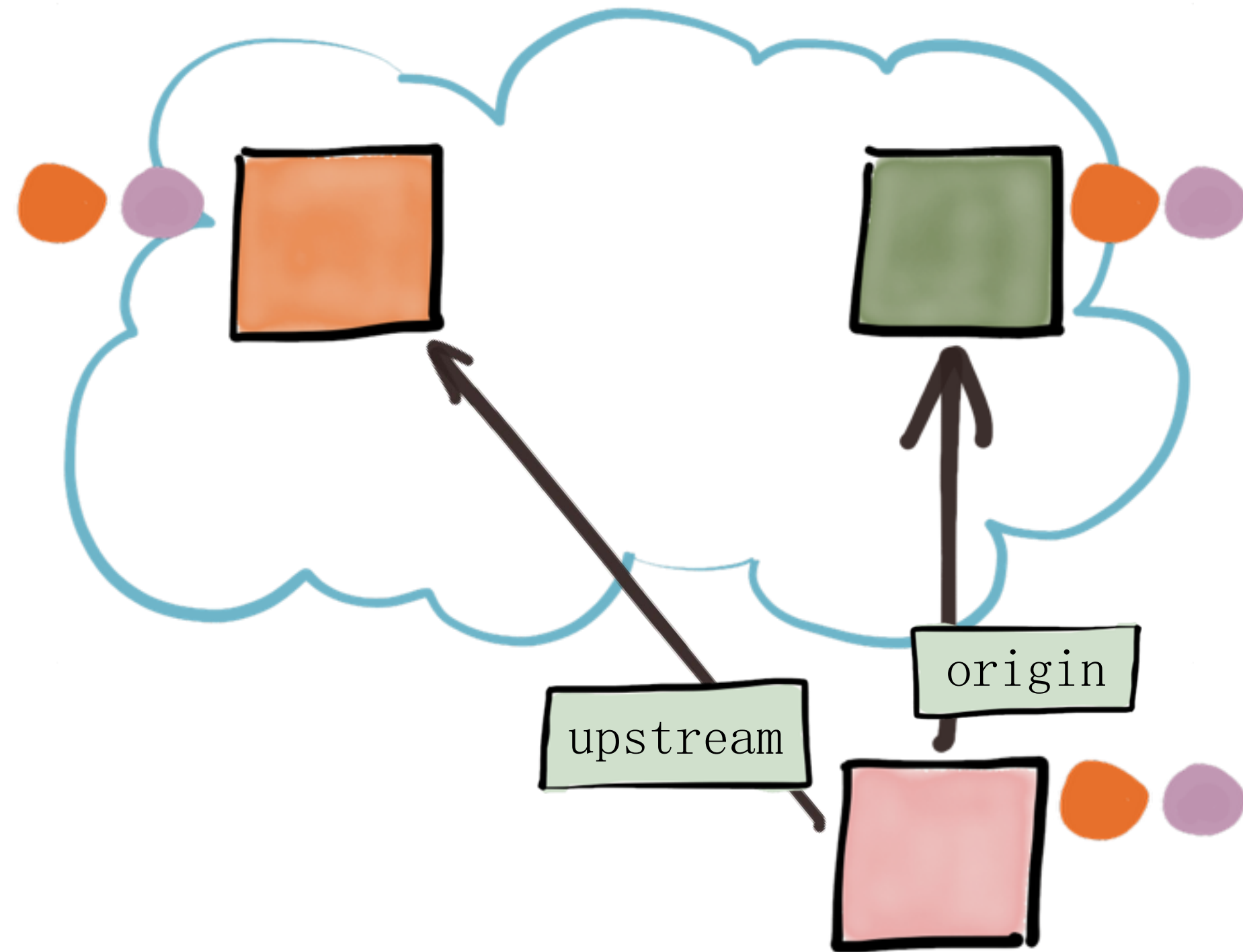
Push to Origin



Pull Requests

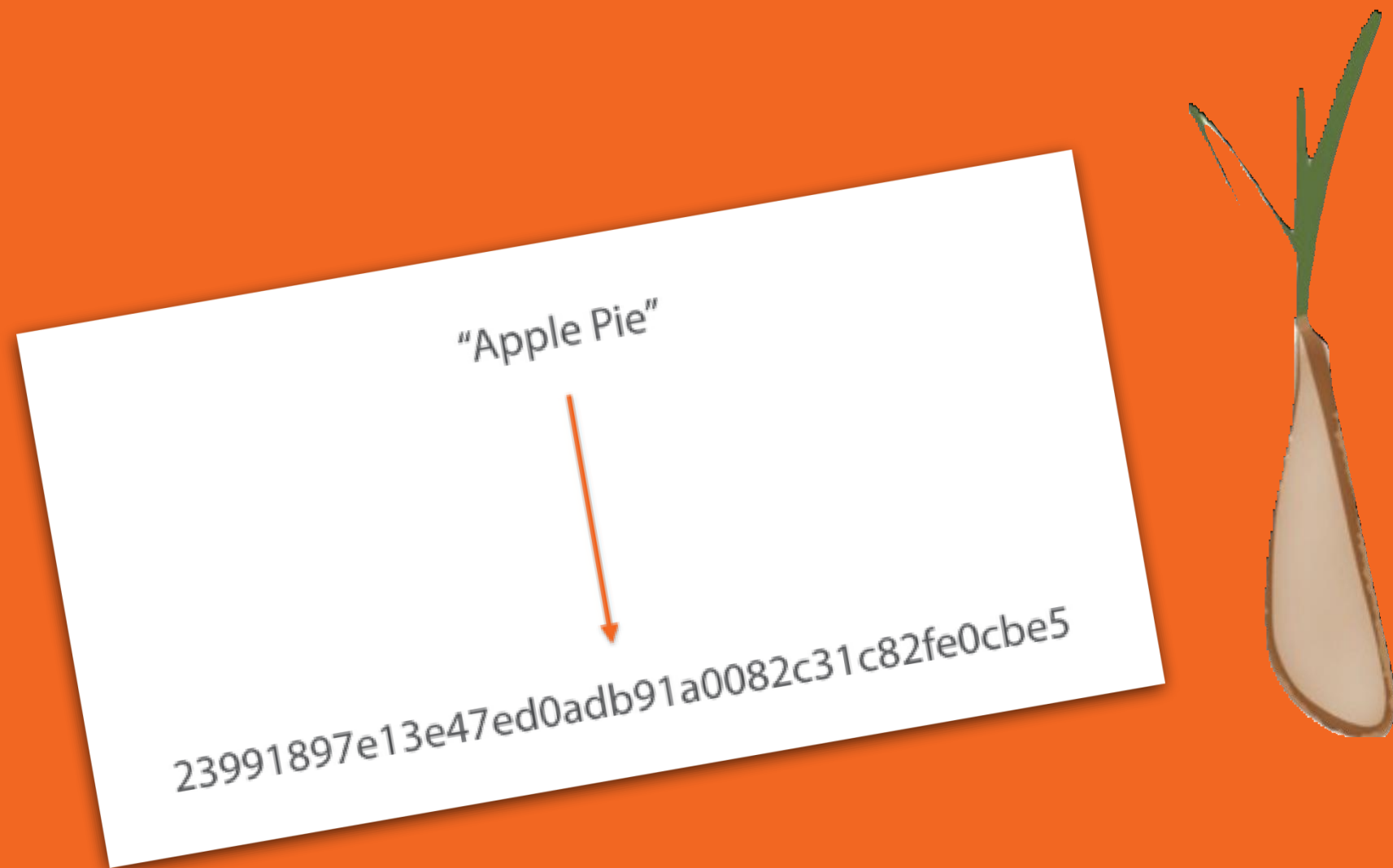


Pull Requests



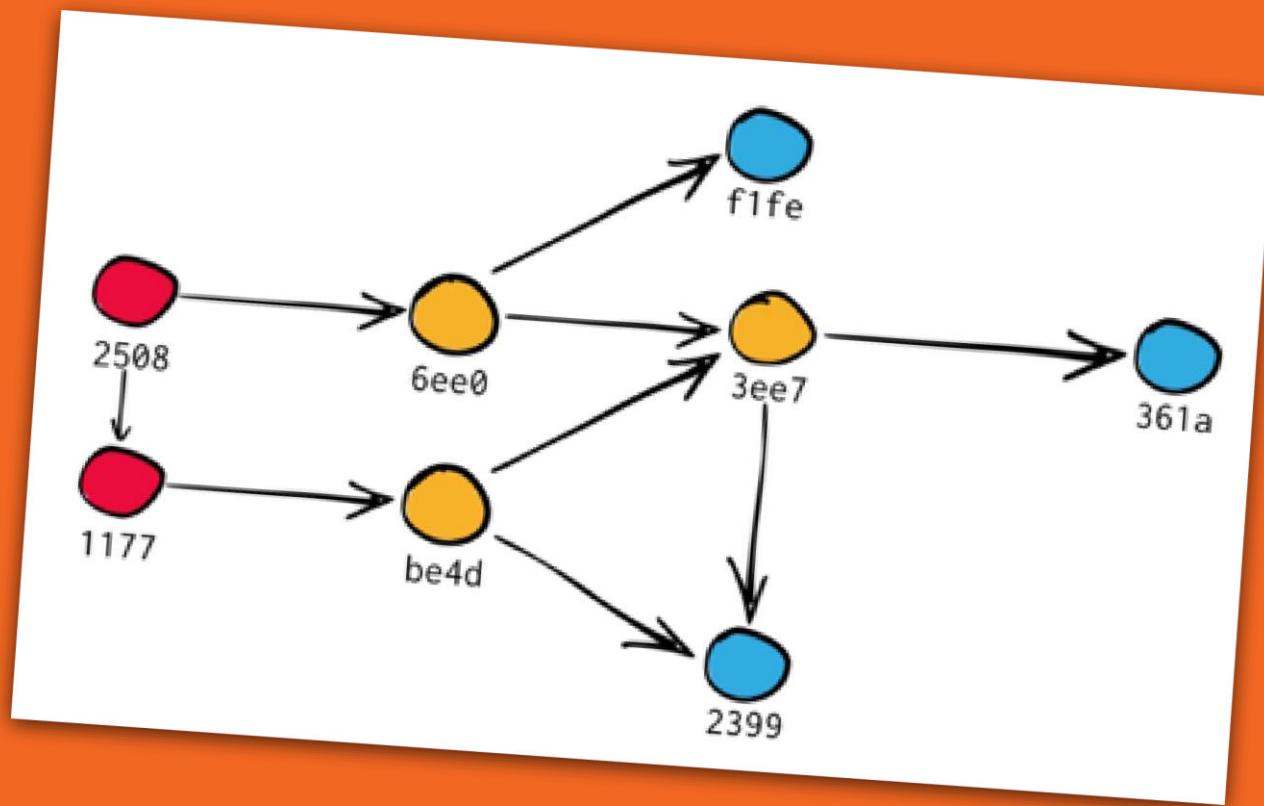
Git Is..

... a Persistent Map



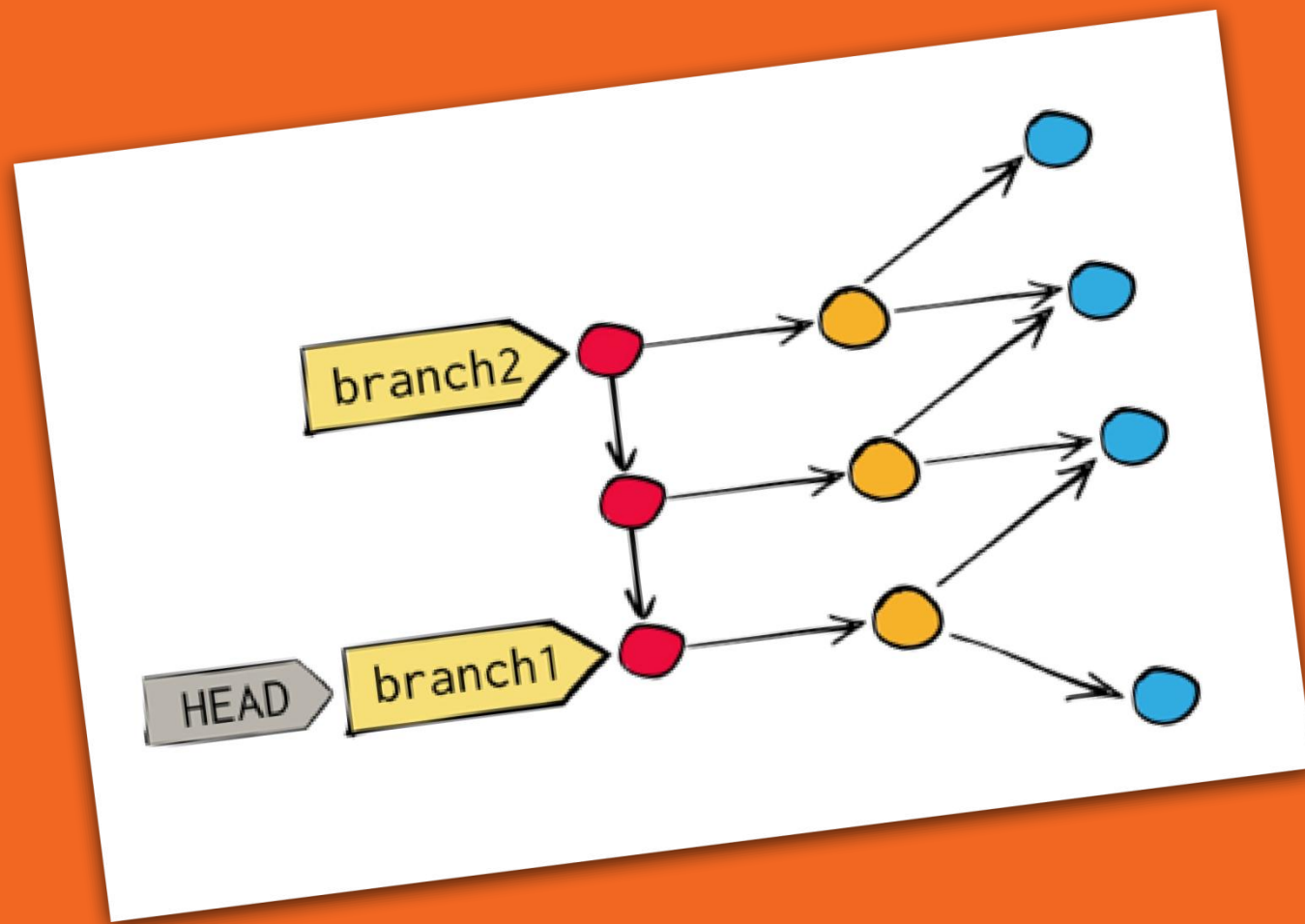
Git Is..

... a Stupid Content Tracker



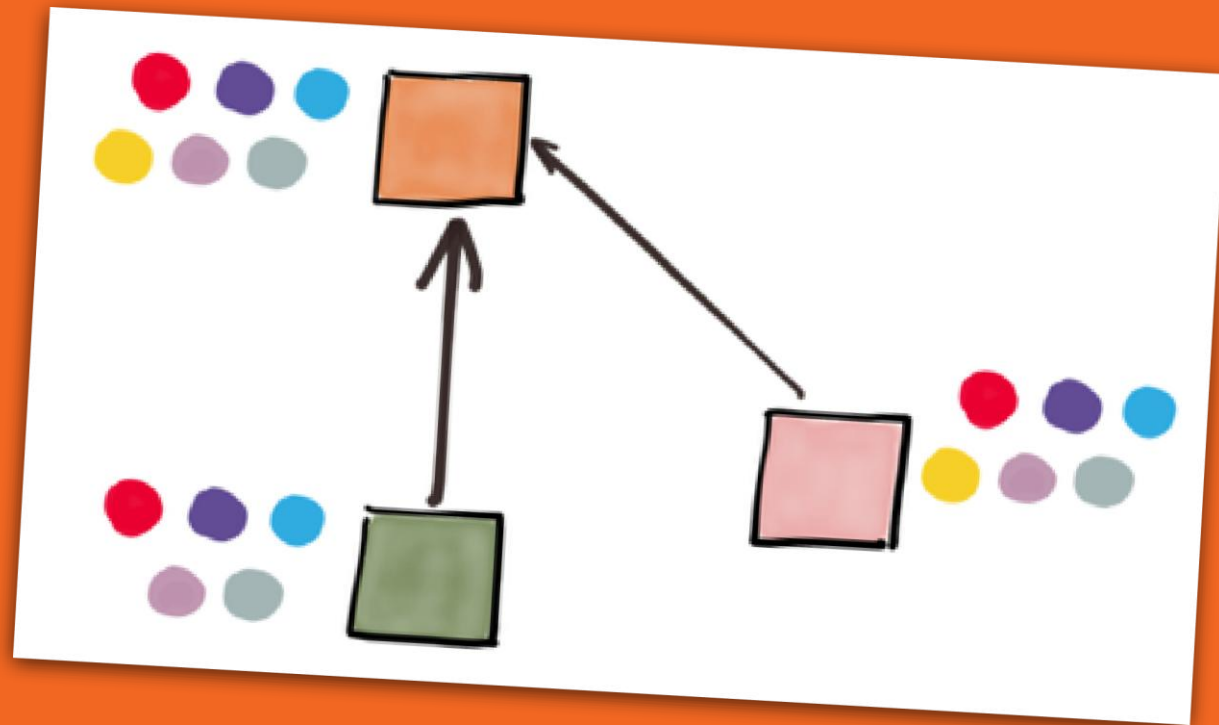
Git Is..

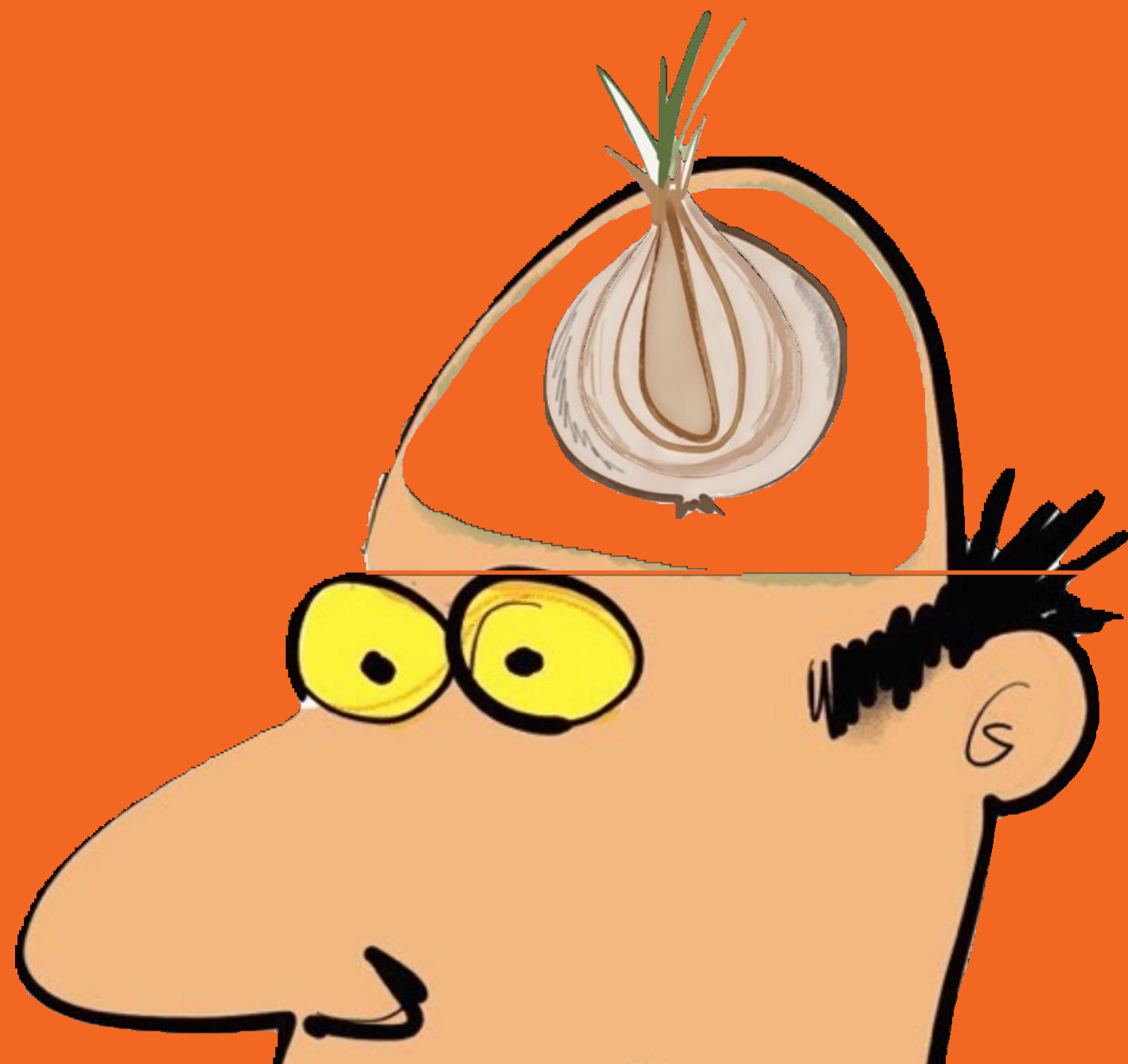
... a Revision Control System



Git Is..

... a Distributed Revision Control System





Thank
you!

