Git is distributed
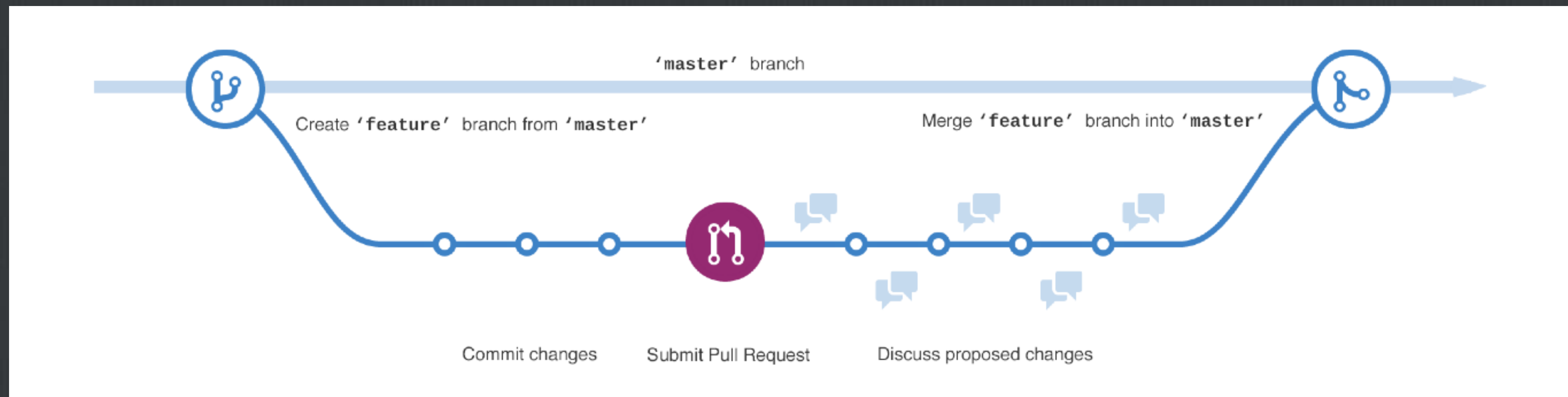
- One of Git's best features is that it is distributed.

- That is, every single "working copy" on any user's computer, stores the entire project history. There's not necessarily a "central server" the way there is with older version control systems such as CVS or SVN.

- Although, to be precise, GitHub is a central server and if you use GitHub exclusively, you give up some of that distributed nature.

- GitHub has had some downtime (who hasn't), but they're generally quite reliable.

Branches and merging

'master' branch

Create 'feature' branch from 'master'

Merge 'feature' branch into 'master'

Commit changes   Submit Pull Request   Discuss proposed changes

☐ **Git allows you to create as many "branches" as you want. You can use branches for experimenting with new ideas, adding a feature, fixing a bug, or anything else that you want to work on separately without stepping on your existing code.**