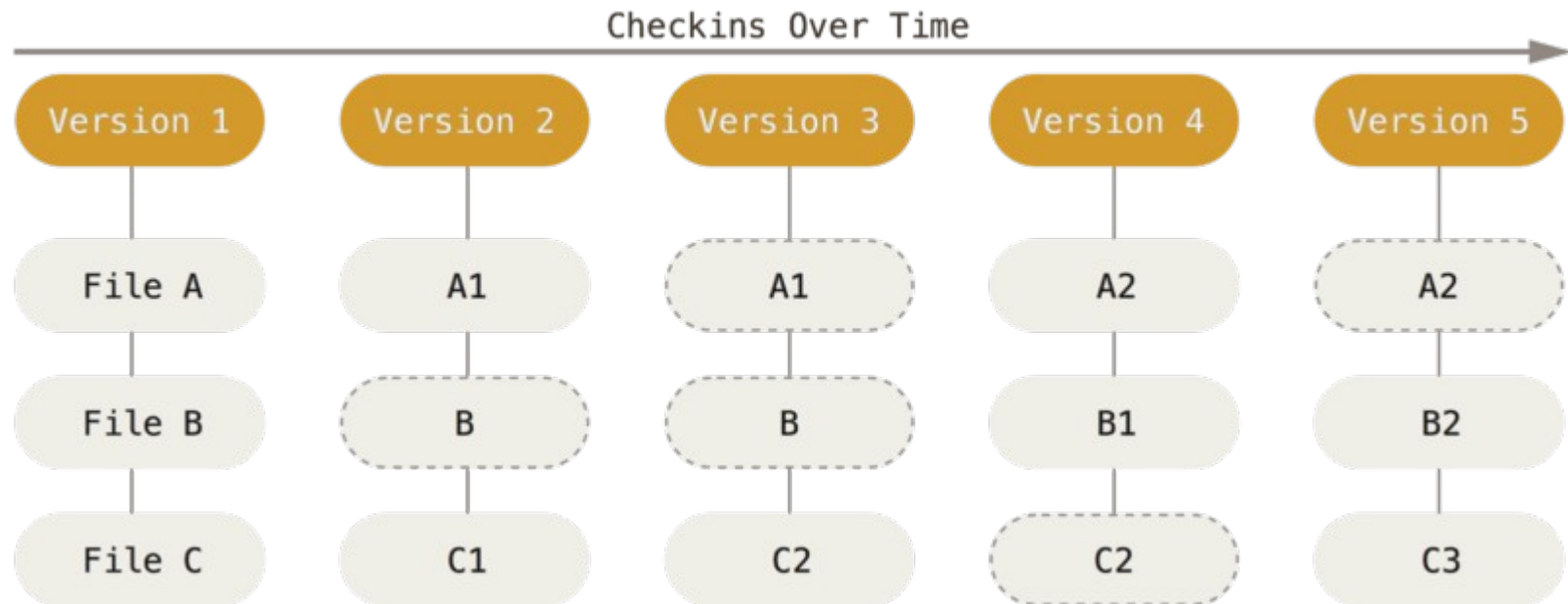
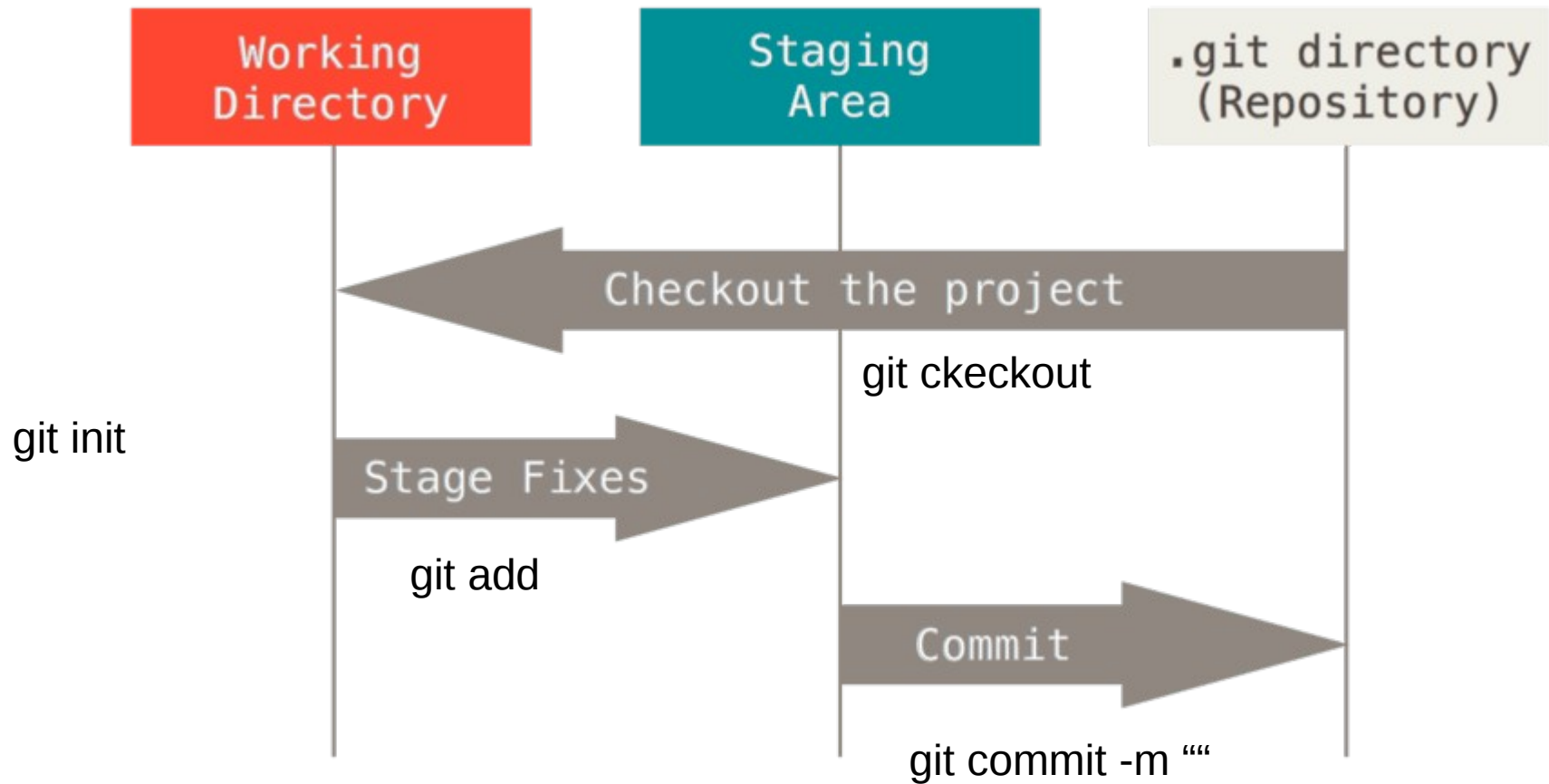


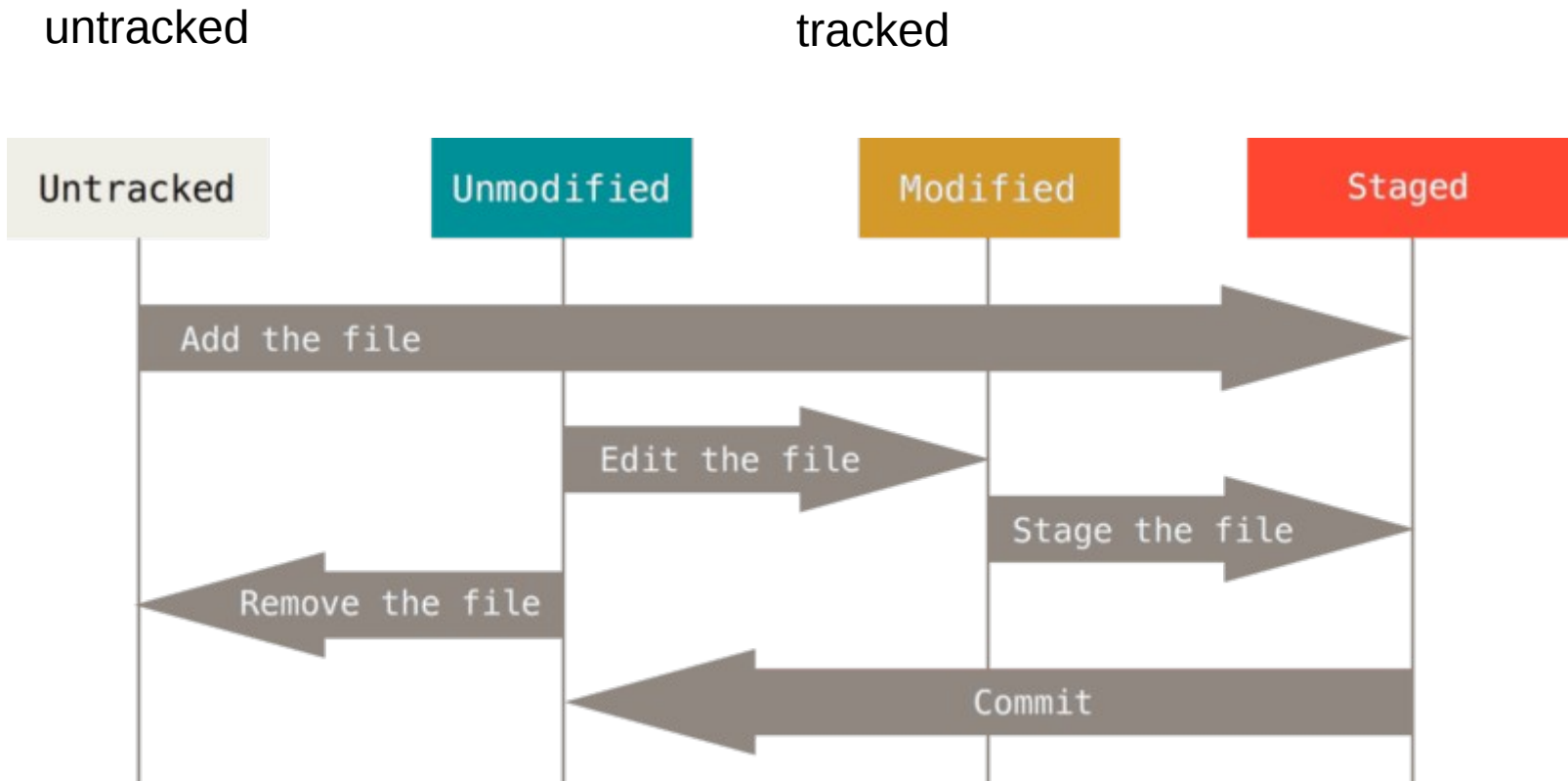
# Git Version Control System



# Main states



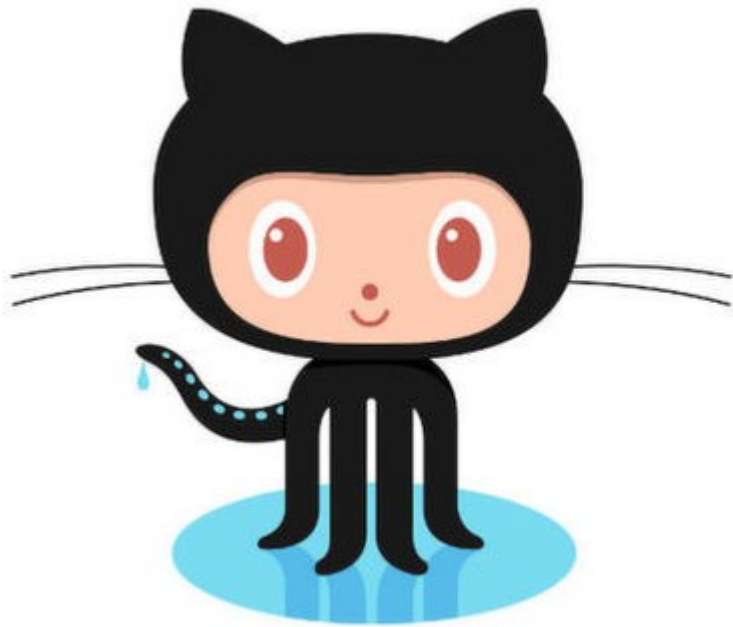
# States of a file



# Text 3

- Committed files are tracked
- New files which are not staged are untracked
- Git add to stage files
- Git commit to commit
- Stage files after editing them
- Remove files to make them untracked
- Git status to check the status of files in the working directory
- .gitignore to ignore files
- Git log -p -2 to see commit history
- Git log --oneline --all --graph --decorate

# Remote Repositories

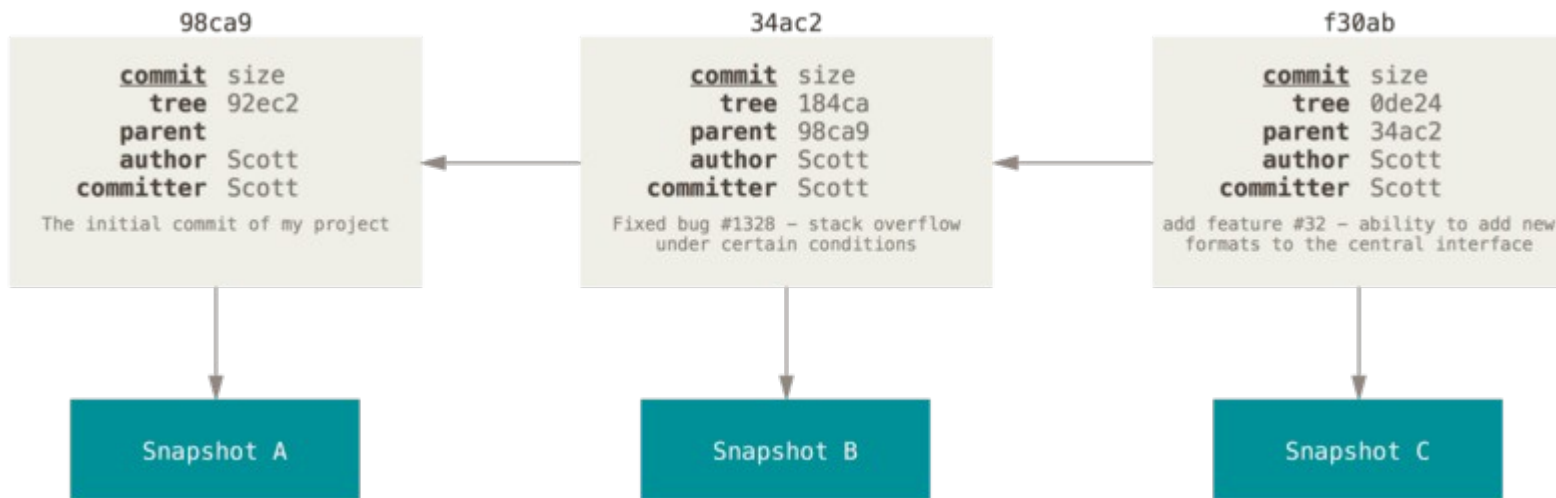


# GitHub

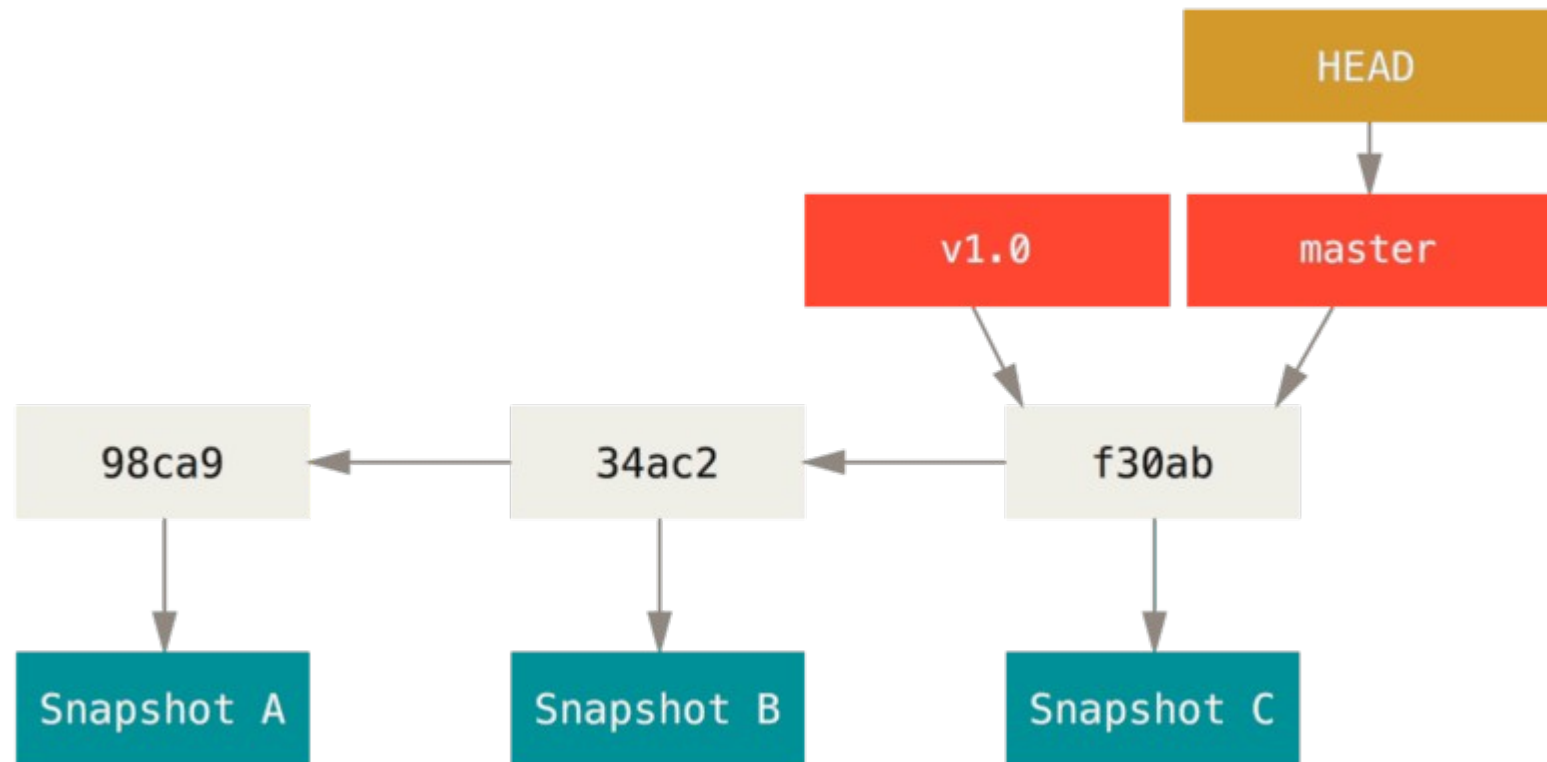
# Text 4

- `Git remote -v` to show remotes
- Add remotes with: `git remote add name link`
- Can fetch with `git fetch`
- Fetch does not merge
- `Git pull` to fetch and merge
- `Git push name` if you have push rights

# Commit Tree

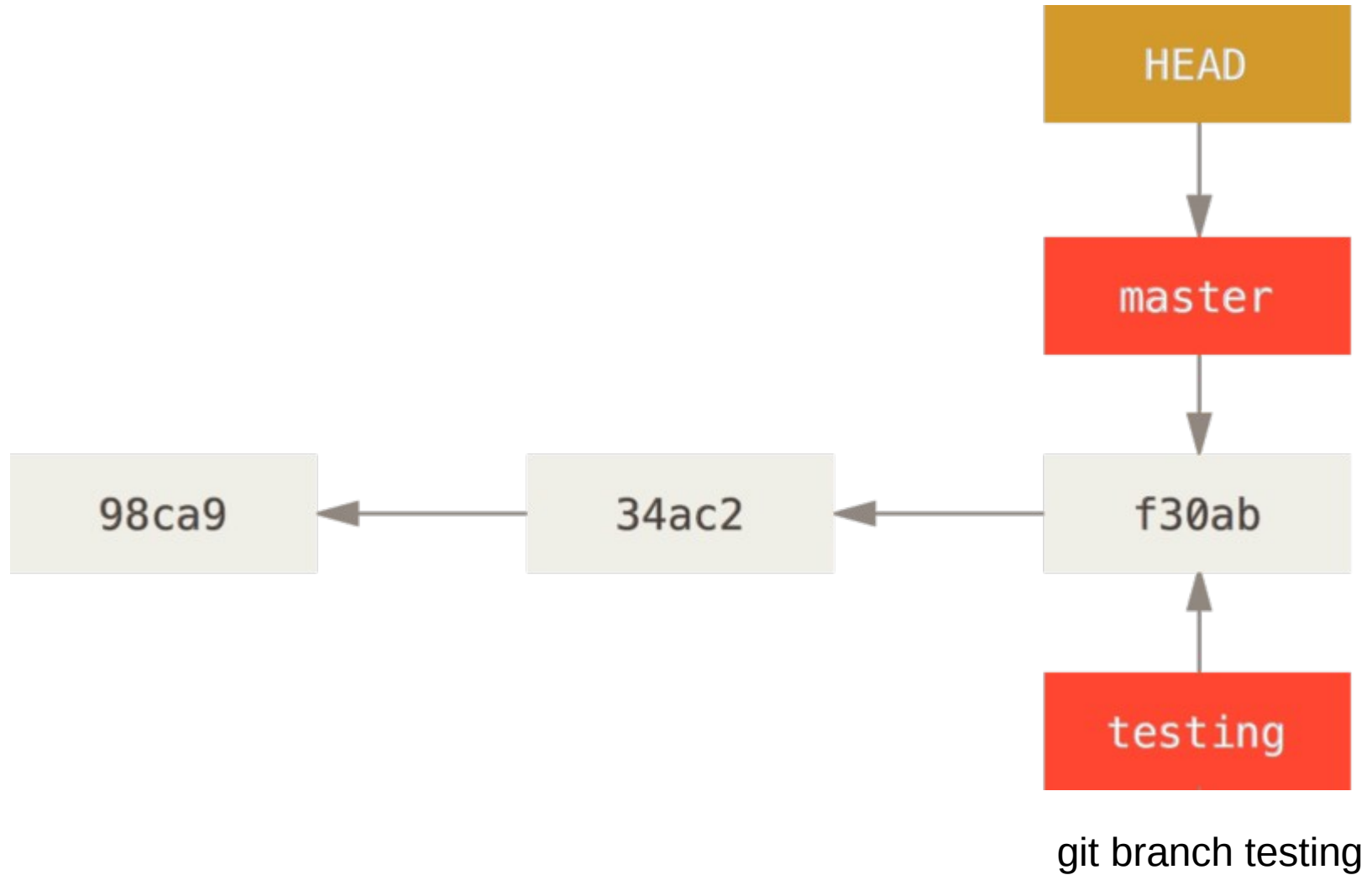


# Branch and Commits

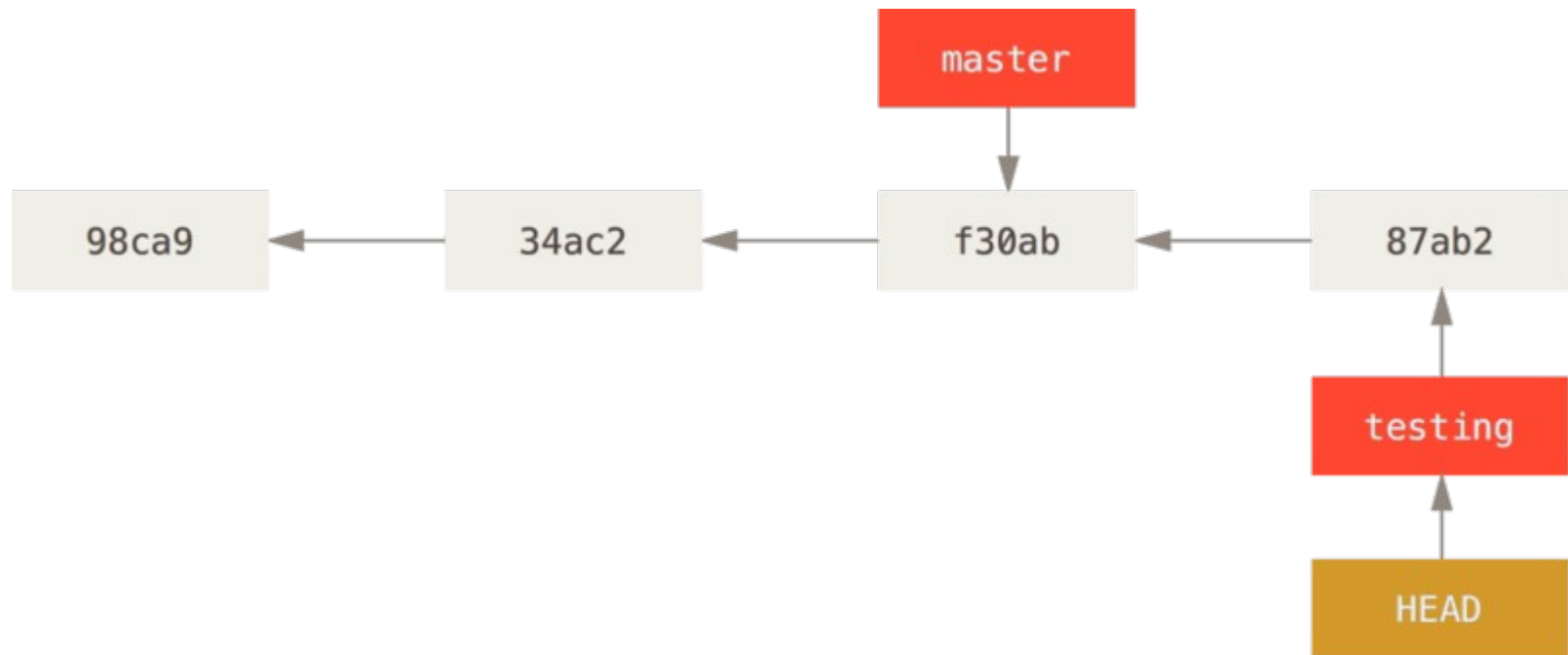




# New branch

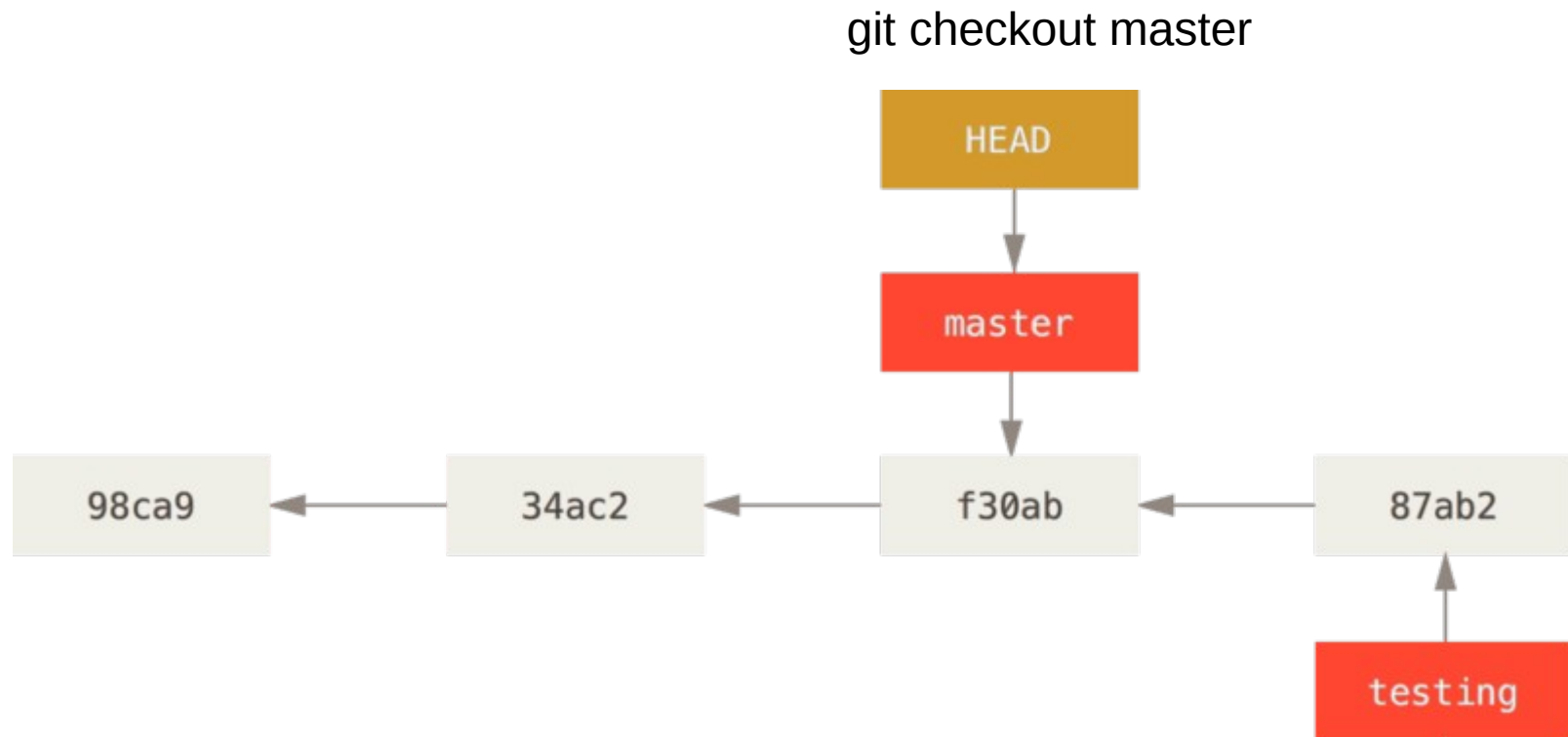


# New Commit

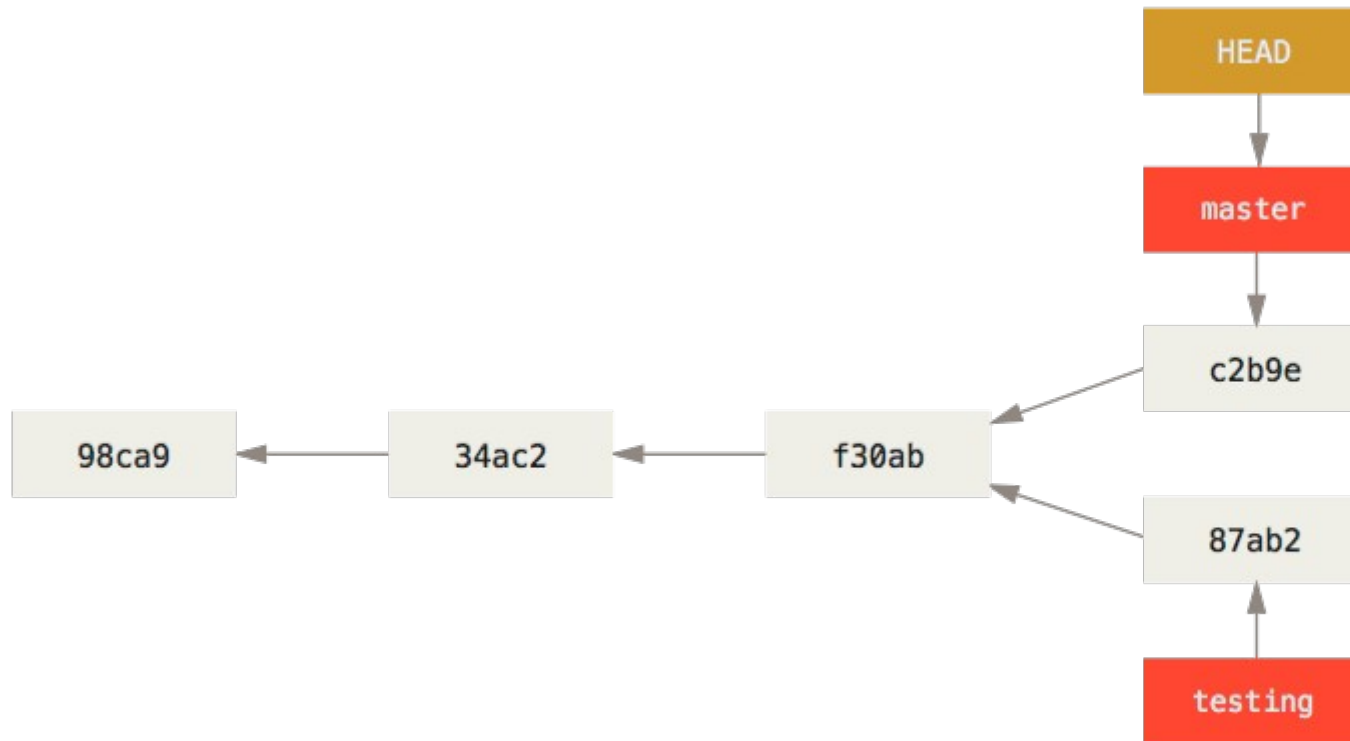


git status

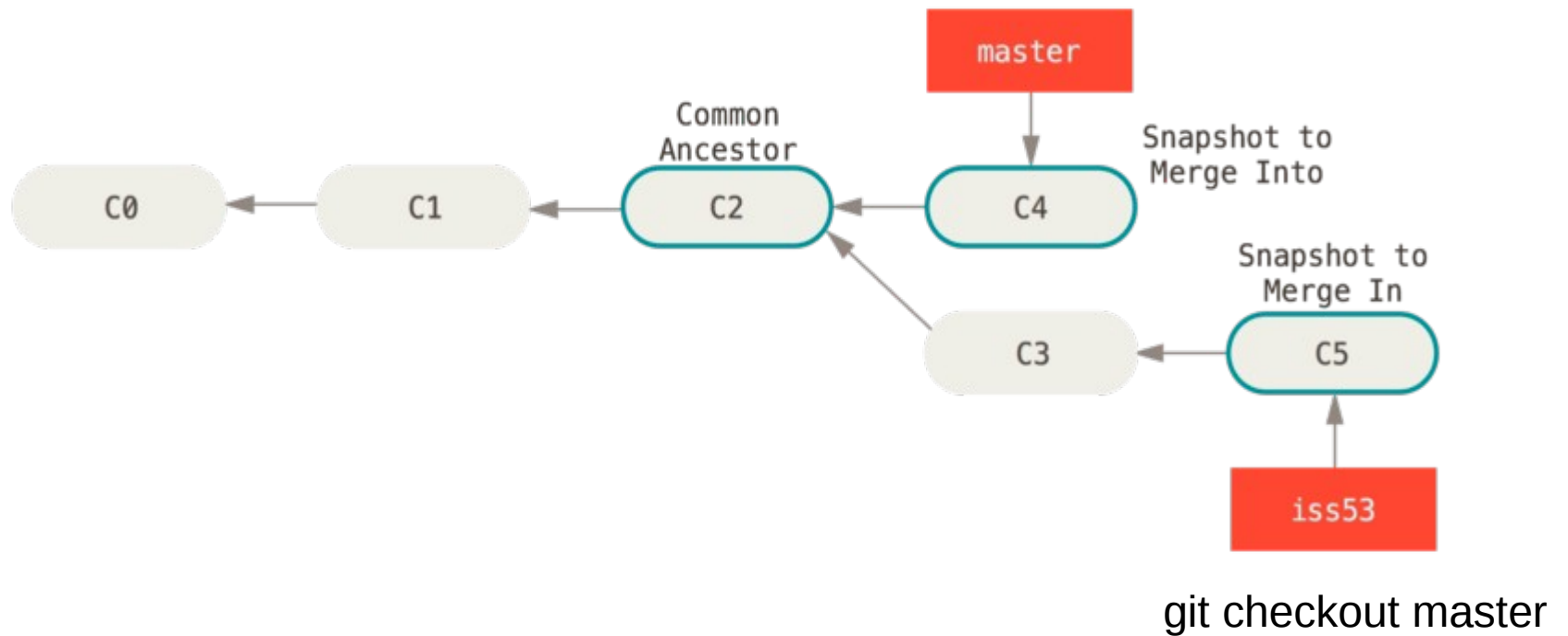
# Change to master branch



# New master commit

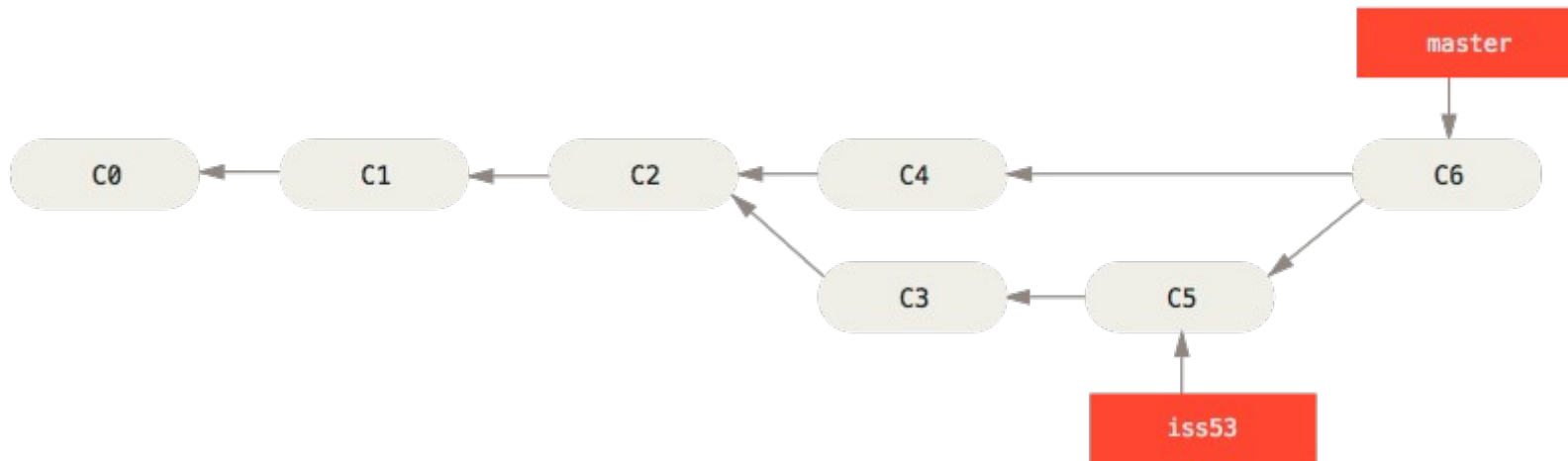


# Merging



# Merging

`git merge iss53`



`git branch -d iss53`

# Git Log example

```
git log --oneline --graph --decorate --all
```

```
* 5e9bc38 (HEAD, master) merge and solve conflict
|\
| * 9856fad (unicorn) Einhorn
* | 6475267 3.Zeile über den Wolken
|/
* a8dd7a6 added 2. line
* 6754c67 started poem
```

