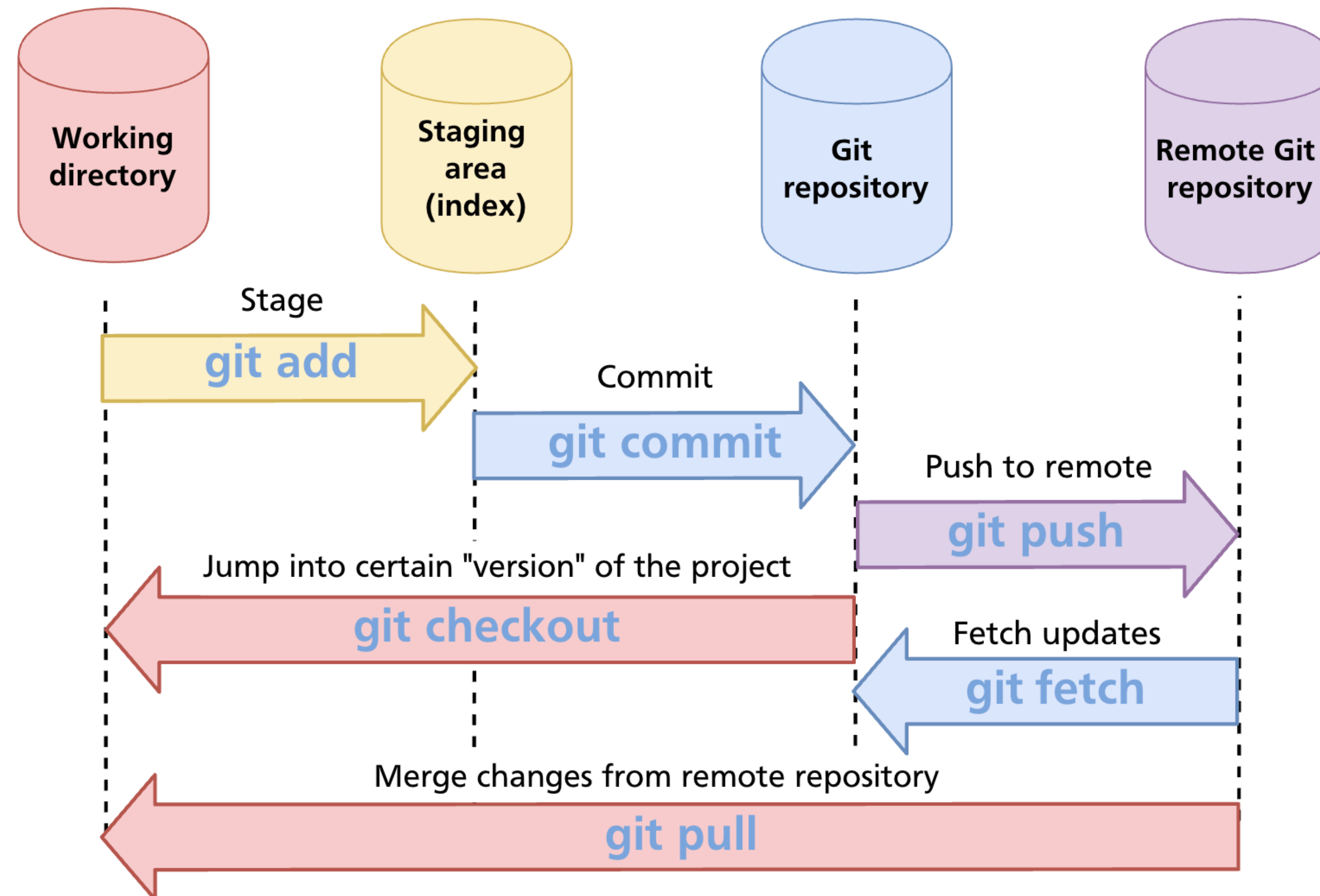


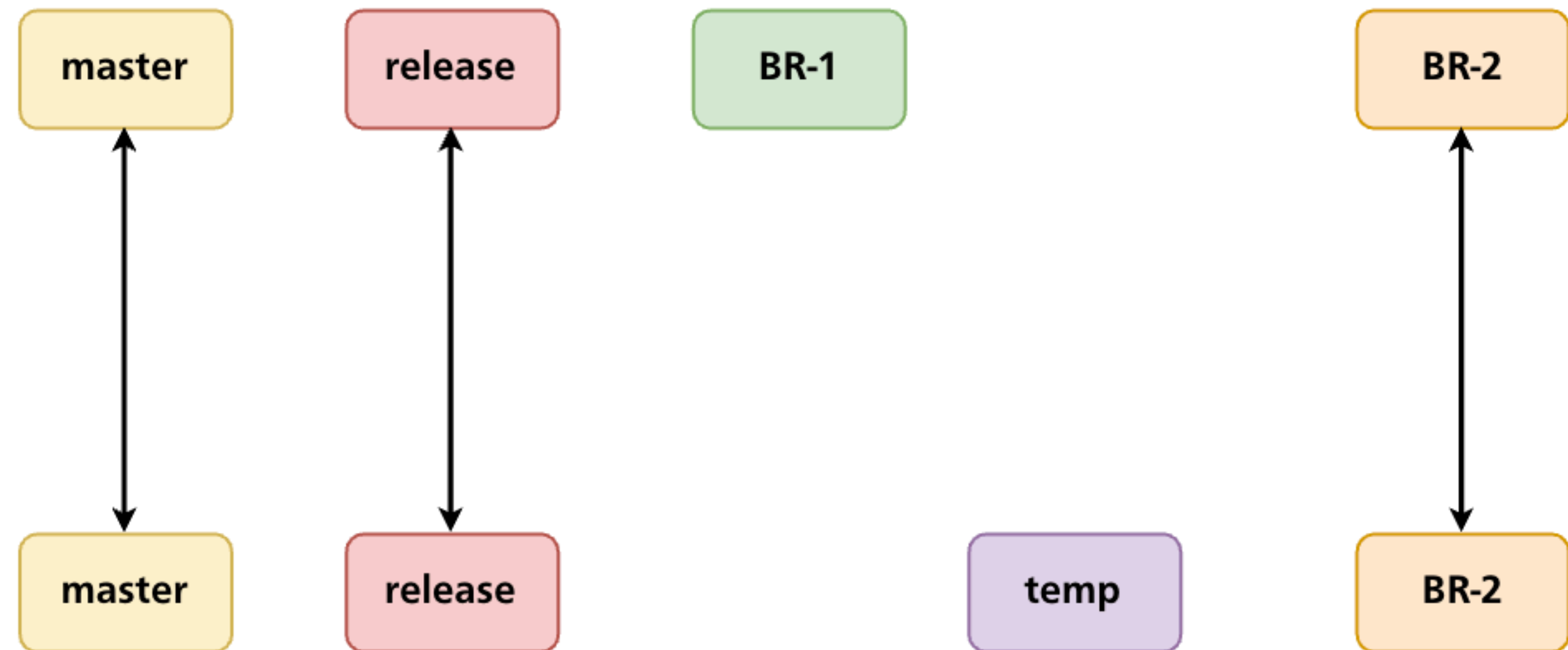
Interaction with remote Git repository



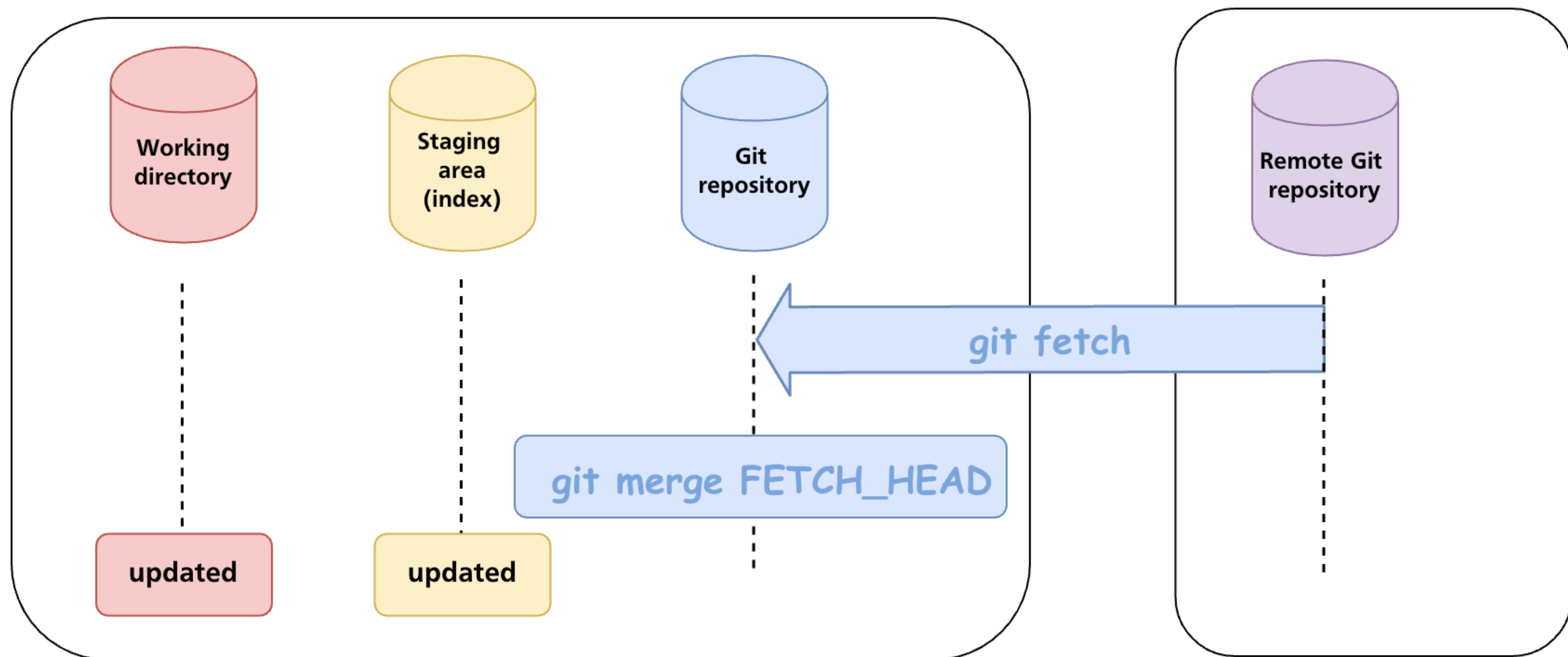
Tracking branches

Remote
repository

Local
repository



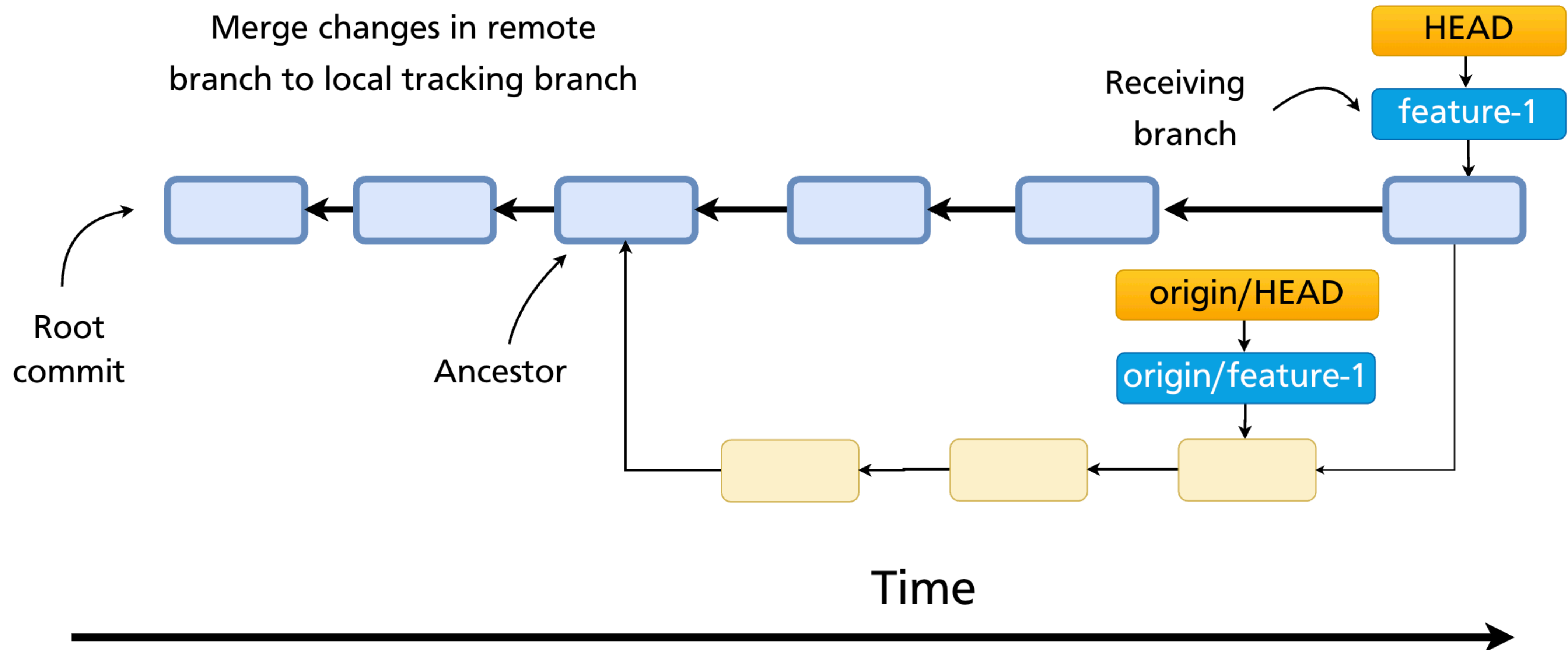
Git pull - merges remote branch into current branch



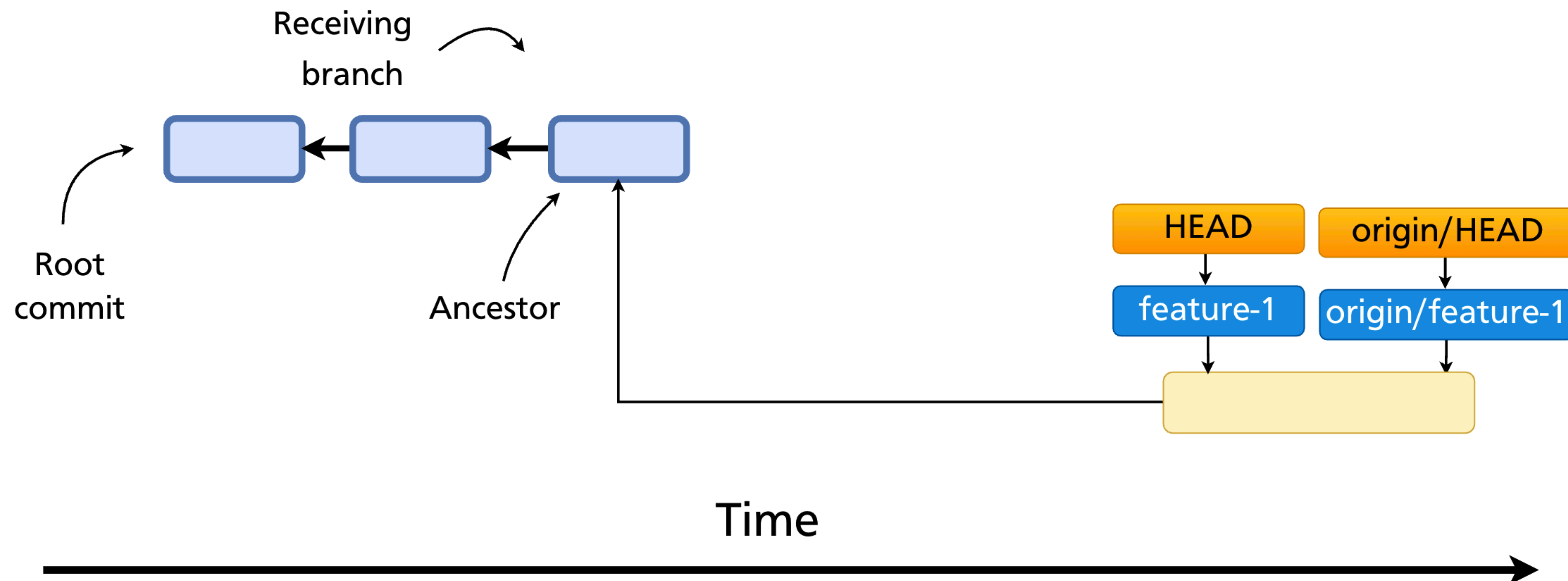
Git pull

1. Checkout local branch and make sure it is tracking branch and has corresponding remote branch. Use **git branch -vv** for check
2. Enter **git pull**
3. Git will fetch all changes from remote repository - **git fetch** is executed in background
4. After fetching Git updates FETCH_HEAD file that contains SHA1 hashes of last commits in remote repository for all tracking branches
5. Git merges remote branch into current branch **git merge FETCH_HEAD**

Git pull



Git pull



Update tracking statuses

1. Create new branch **temp** in the remote repository
2. Checkout this new remote branch locally using **git checkout temp**.
Local tracking branch **temp** will be created
3. Delete **temp** branch in the remote repository
4. Use **git fetch**. After fetching observe tracking statuses **git branch -vv**
You will see that local temp branch still tracks remote temp branch
5. Update tracking statuses using **git remote update origin --prune**
6. Observe tracking statuses again using **git branch -vv**