

GIT






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dilumn_ 

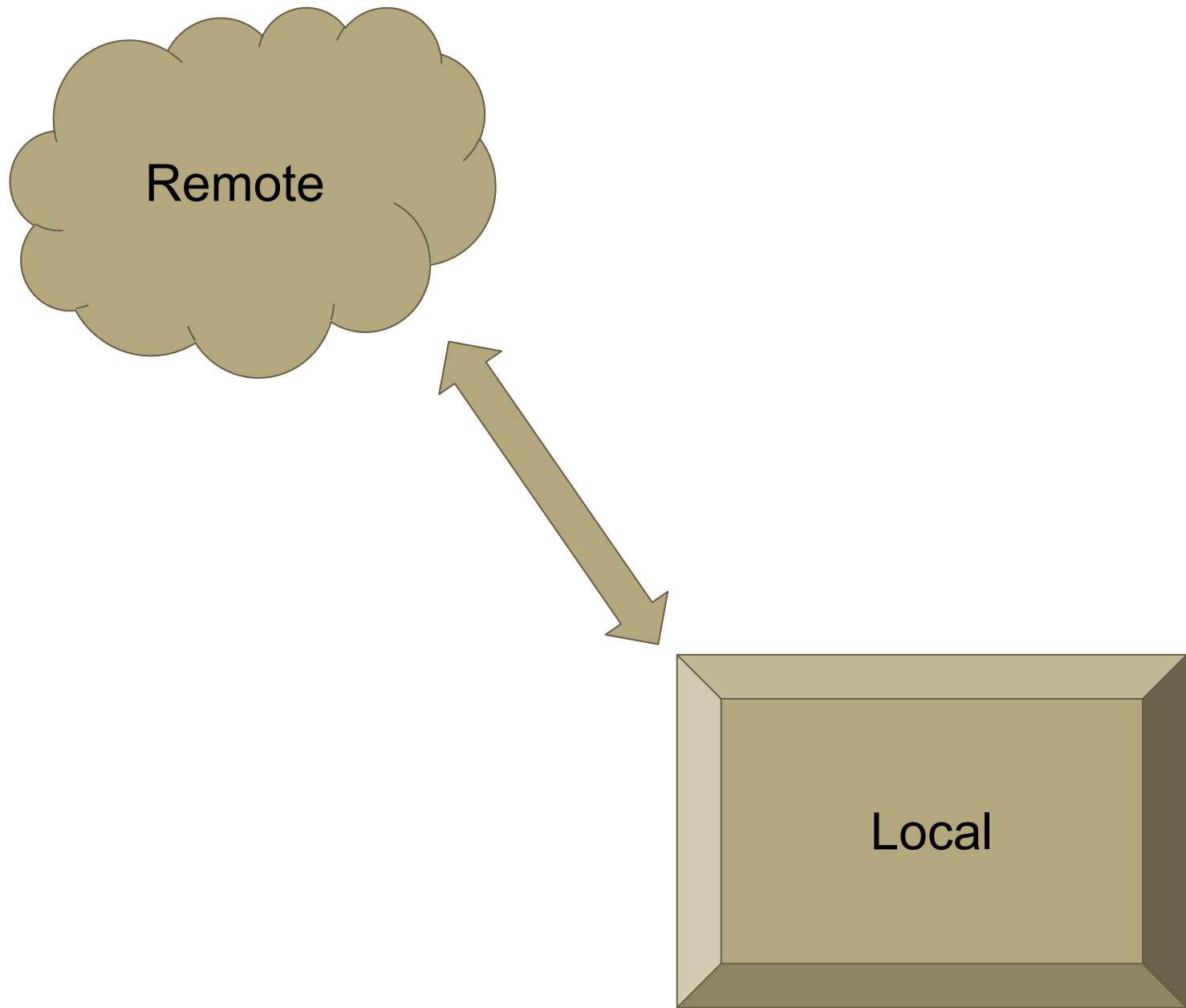
 dilumn

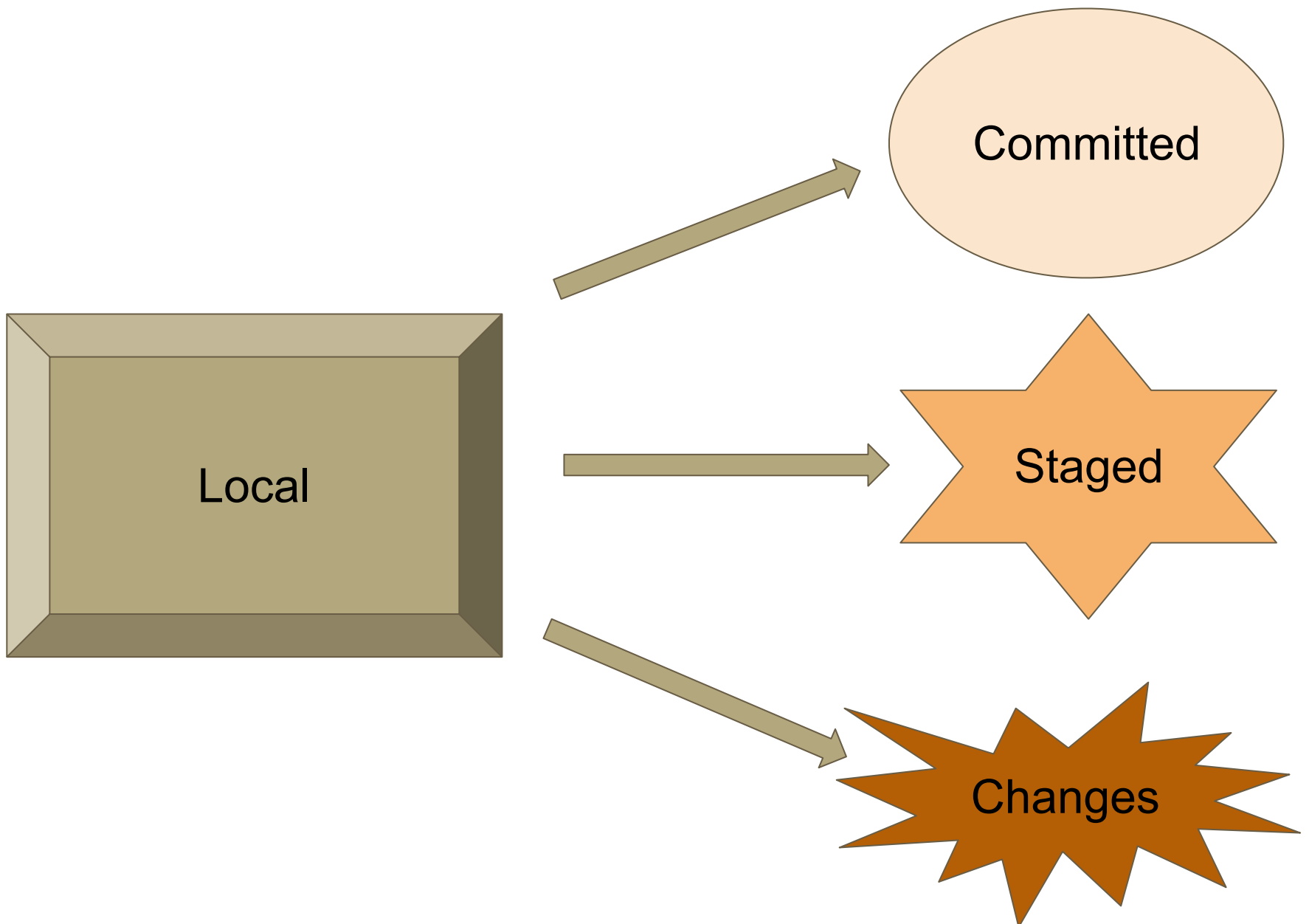
What is GIT

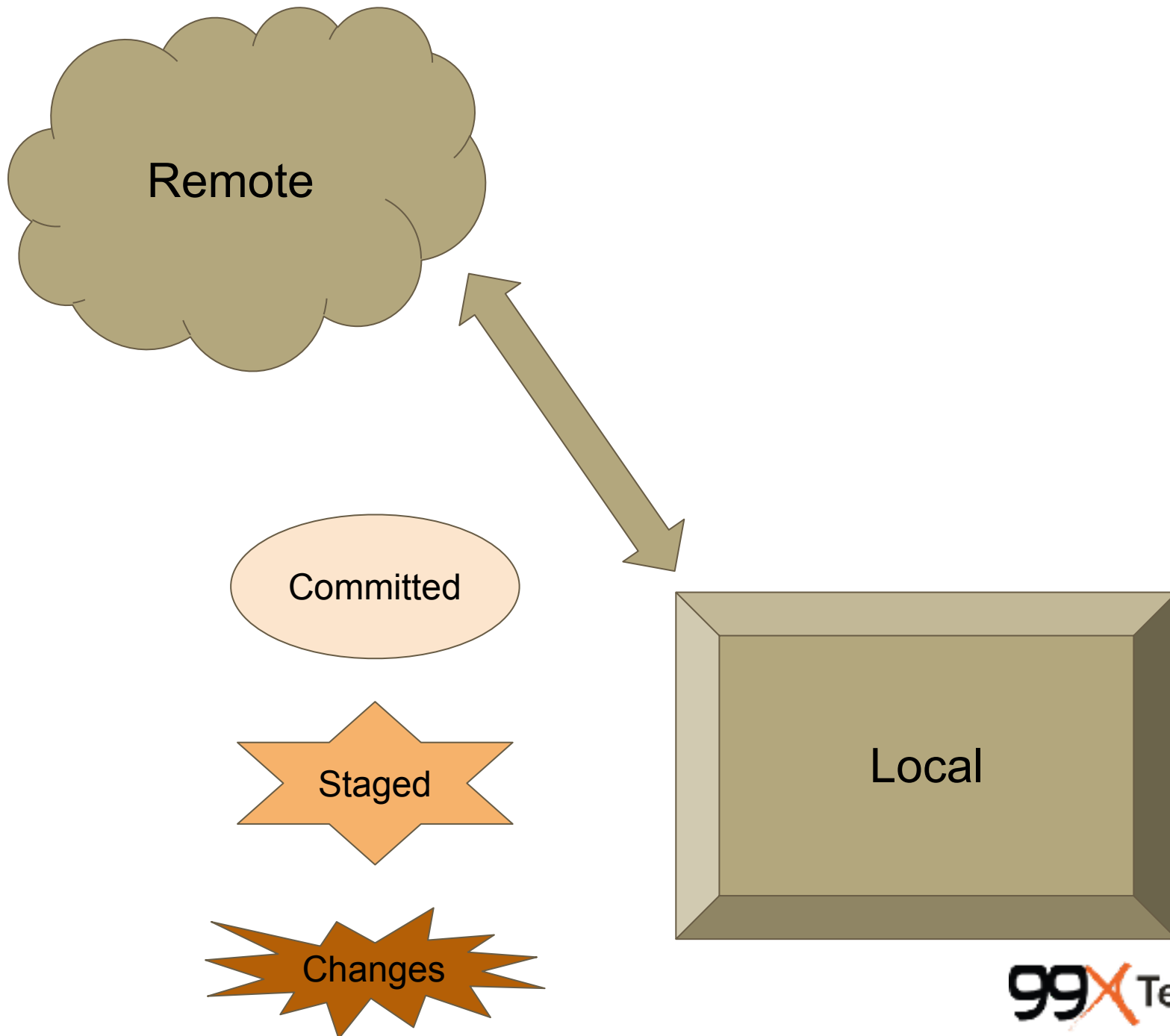


Why we use GIT











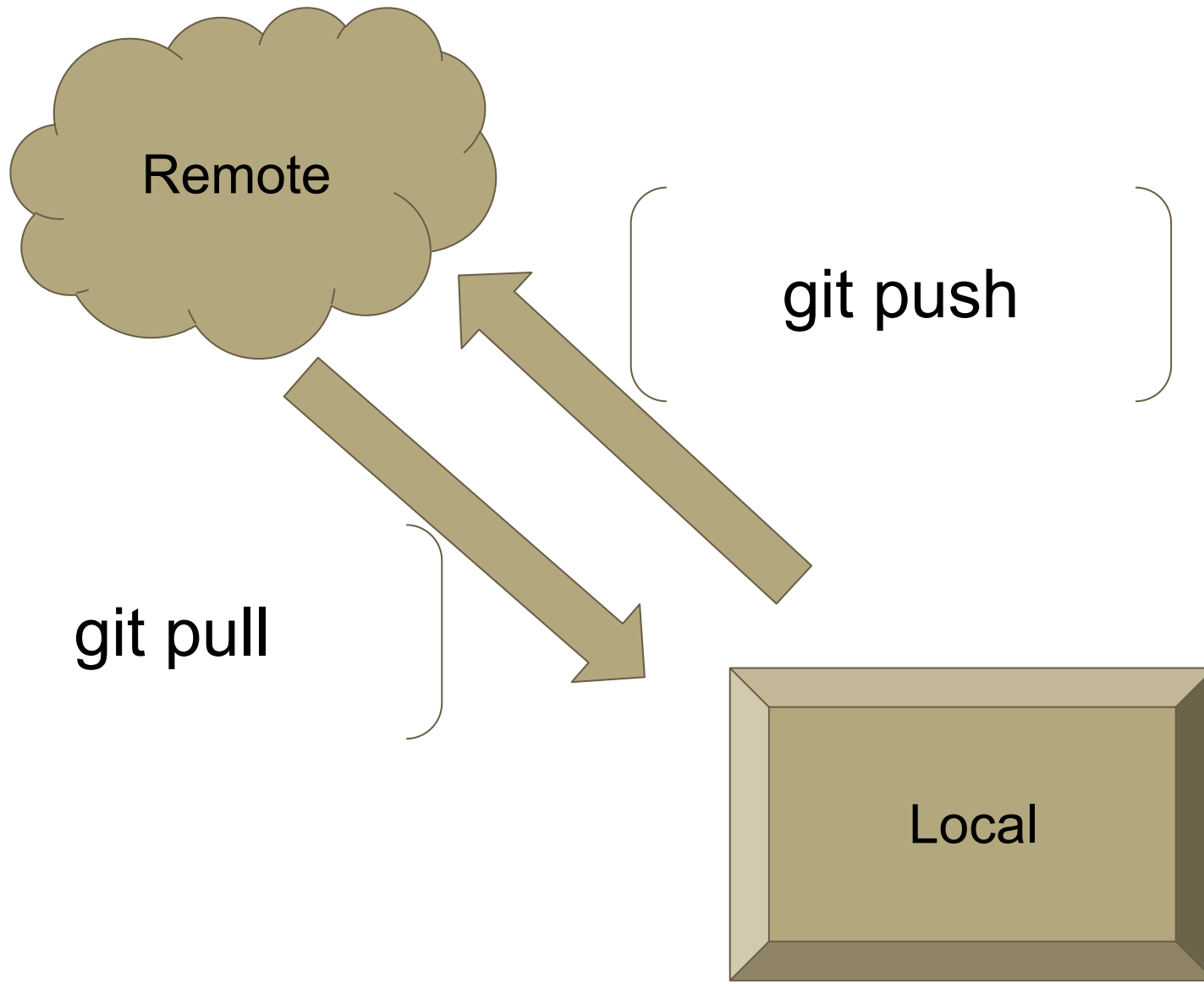
Committed

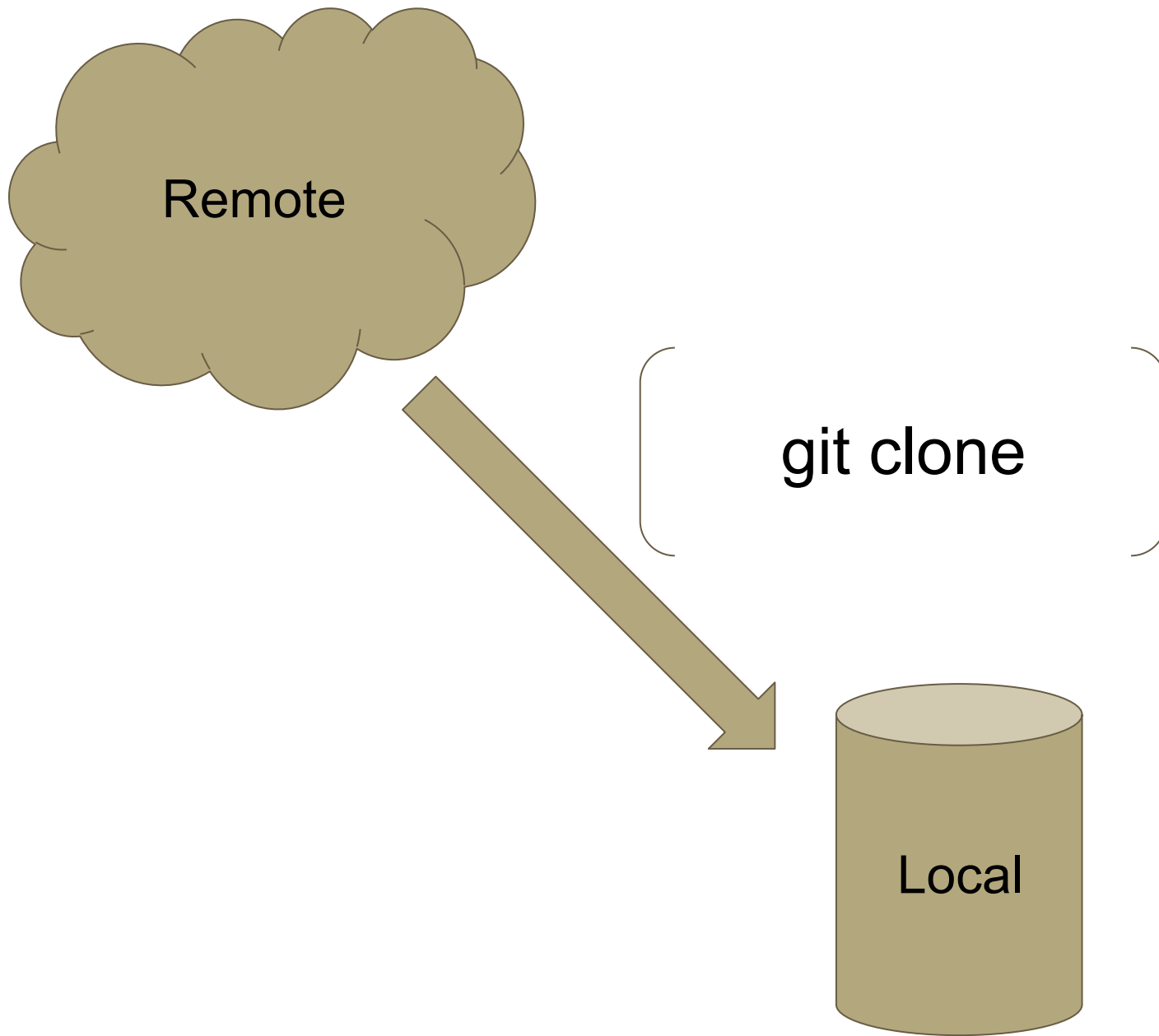
Staged

Changes

git commit

git add







Remote



Local



clone



add



commit



push



pull

Scenario 01

- Take a repository to the local for the first time

git clone <https://github.com/dilumn/git-plan.git>



Scan me

Scenario 02

- Take a repository to the local for the first time
- Make some changes
- Push those changes to remote

git clone <https://github.com/dilumn/git-plan.git>

git add .

git commit -m “commit message”

git push origin master

Scenario 03

- Push your existing project to Github

git init

git remote add origin <https://github.com/dilumn/git-plan.git>

git add .

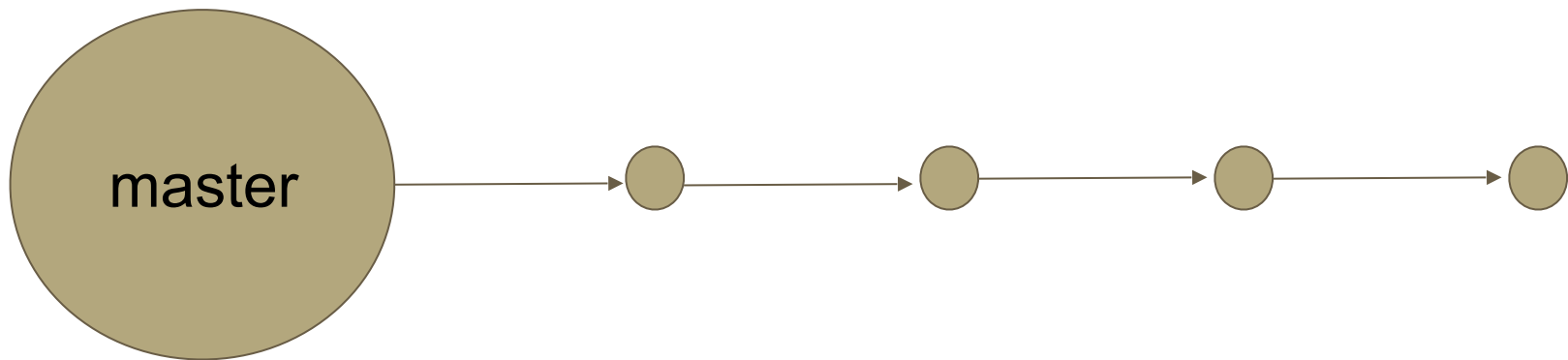
git commit -m "commit message"

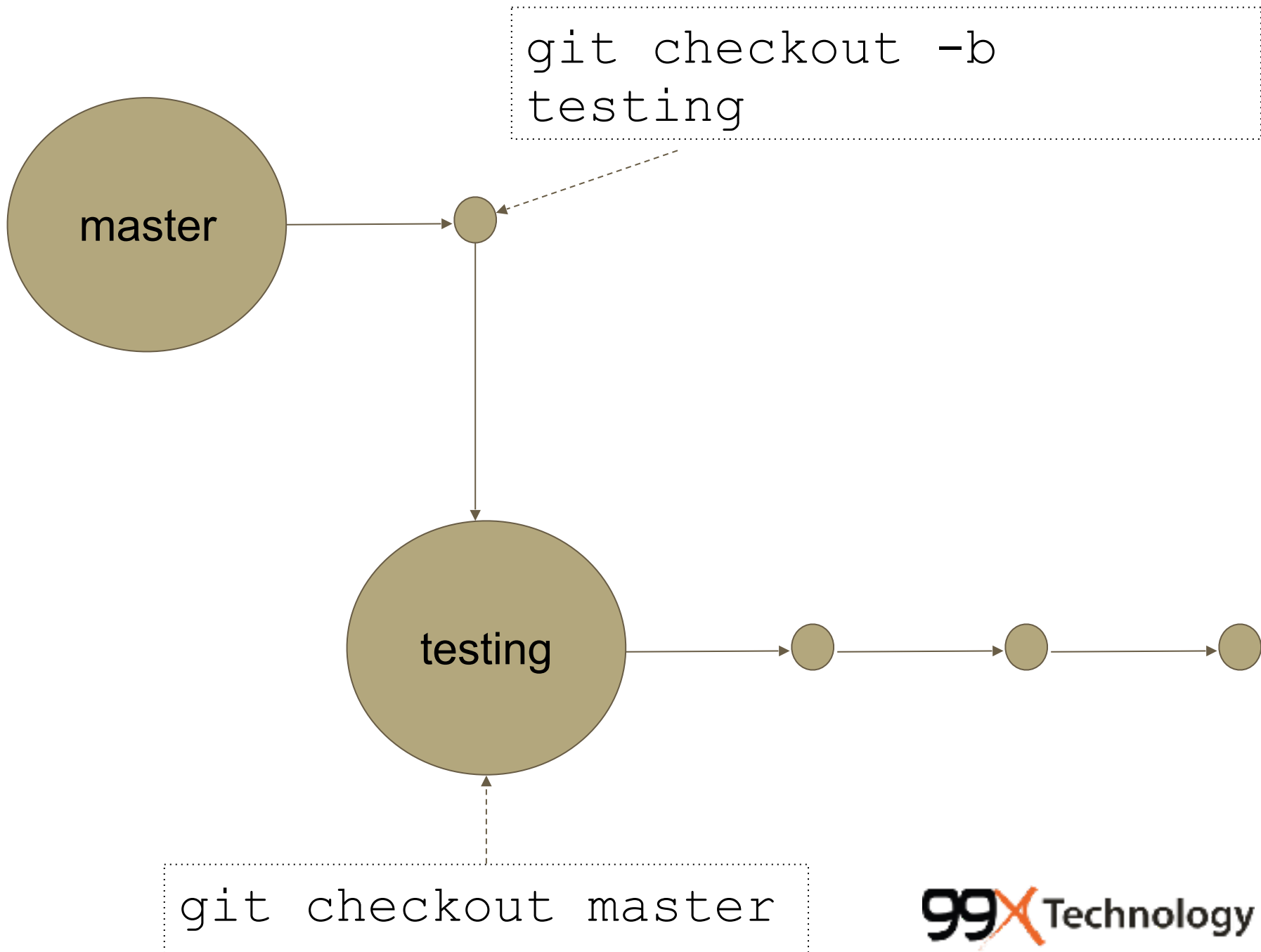
git push origin master

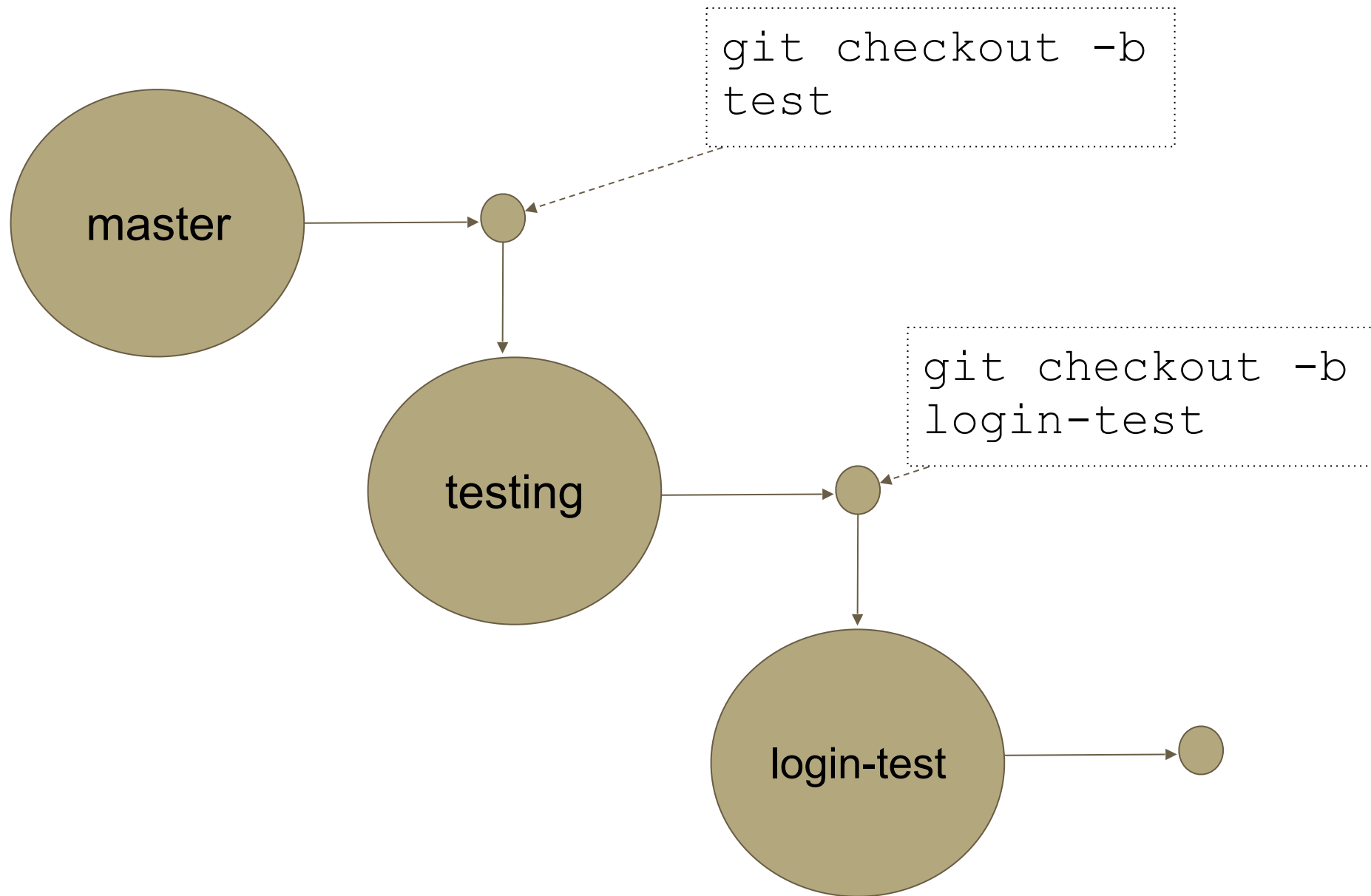
git branching

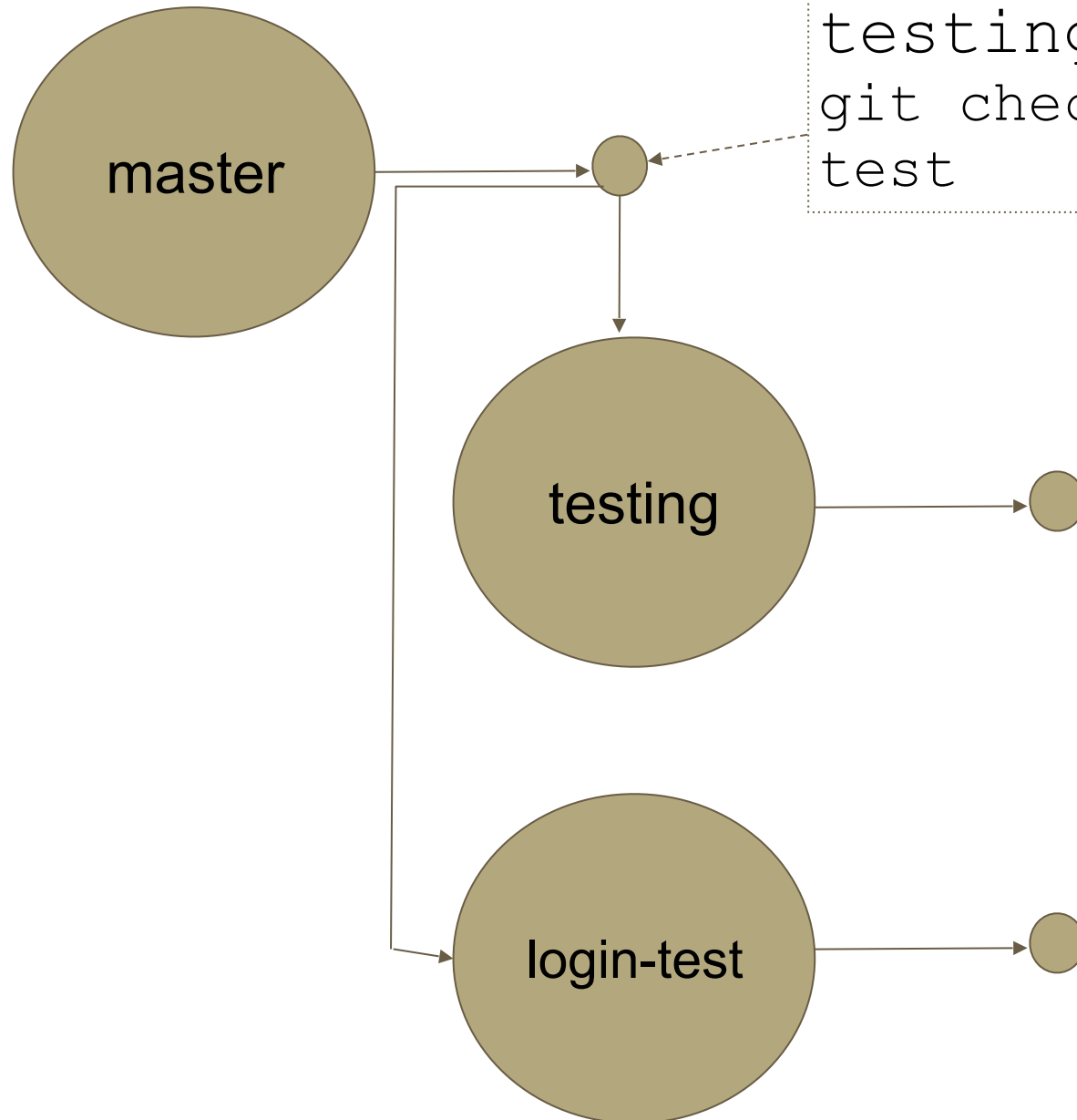










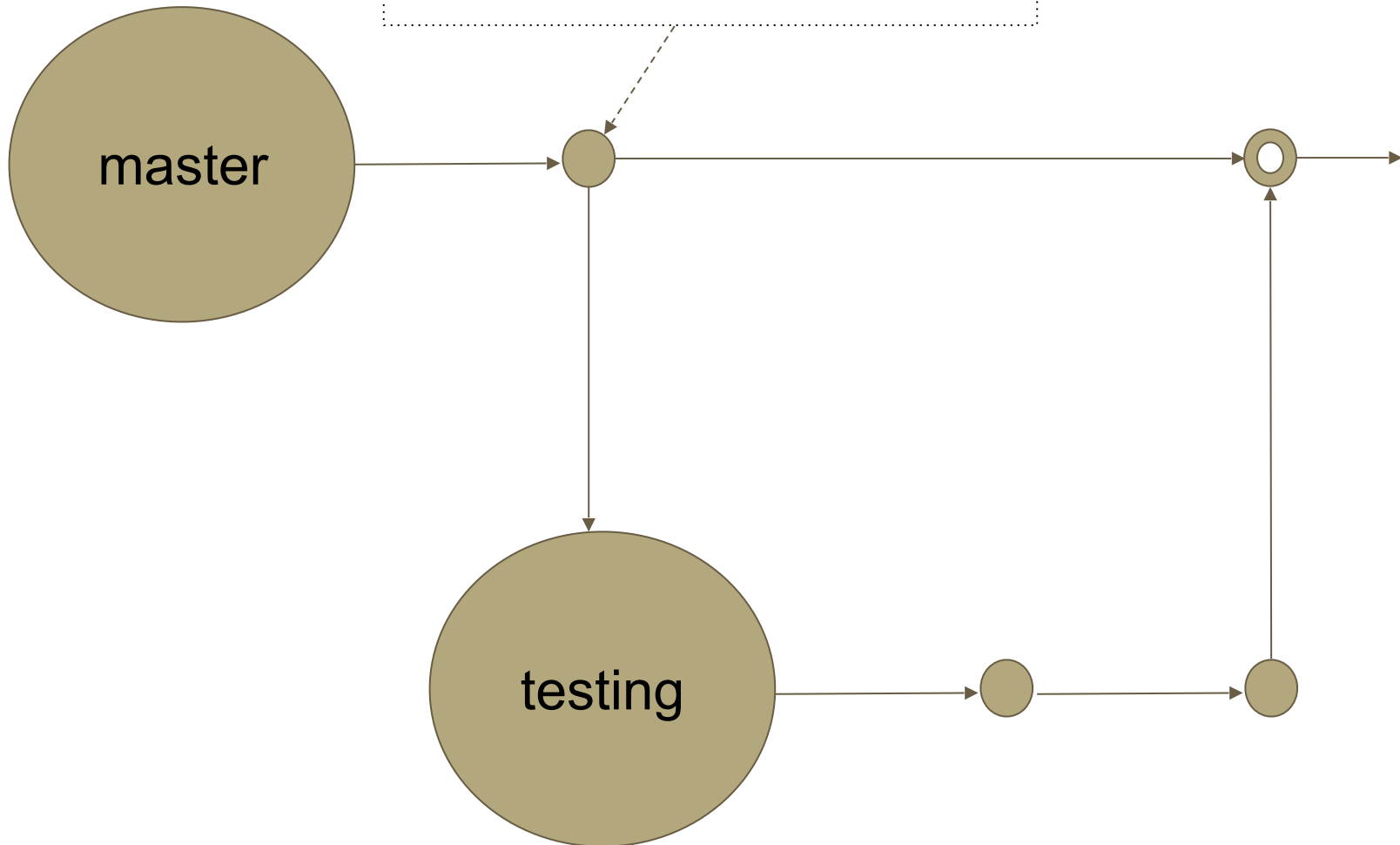


```
git checkout -b  
testing  
git checkout -b login-  
test
```

git merge



git merge testing



Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

base: master ... compare: 0-15-stable X Can't automatically merge. Don't worry, you can still create the pull request.

Create pull request

Discuss and review the changes in this comparison with others.

9 commits

9 files changed

0 commit comments

2 contributors

Commits on Sep 06, 2013

halorgium Allow PoolManager to incorrectly resume a task from within a task ... 8882ac9

Commits on Sep 06, 2013

tarcieri Revert "Allow PoolManager to incorrectly resume a task from within a ..." 26ecb58

tarcieri Warn for nested task resumption in debug mode 846bec6

halorgium Revert "Warn for nested task resumption in debug mode" ... 871696b

halorgium Allow PoolManager to incorrectly resume a task from within a task ... 8cf1588

halorgium Only raise if \$CELLULOID_DEBUG is set ... cf86728

tarcieri Bump version to 0.15.1 cd7847d

git merge testing



merge conflicts

Demo

Scenario 04

- Create a new branch “branch1” from master
- Do some changes to a file. Commit & push them
- Go to master branch, change the same file, commit & push the changes
- Create a pull request from “branch1” to master
- merge “branch1” to master

```
git checkout -b branch1
```

```
git add .
```

```
git commit -m "changes from branch1"
```

```
git push origin branch1
```

```
git checkout master
```

```
git add .
```

```
git commit -m "changes from master"
```

```
git push origin master
```

```
git merge branch1
```

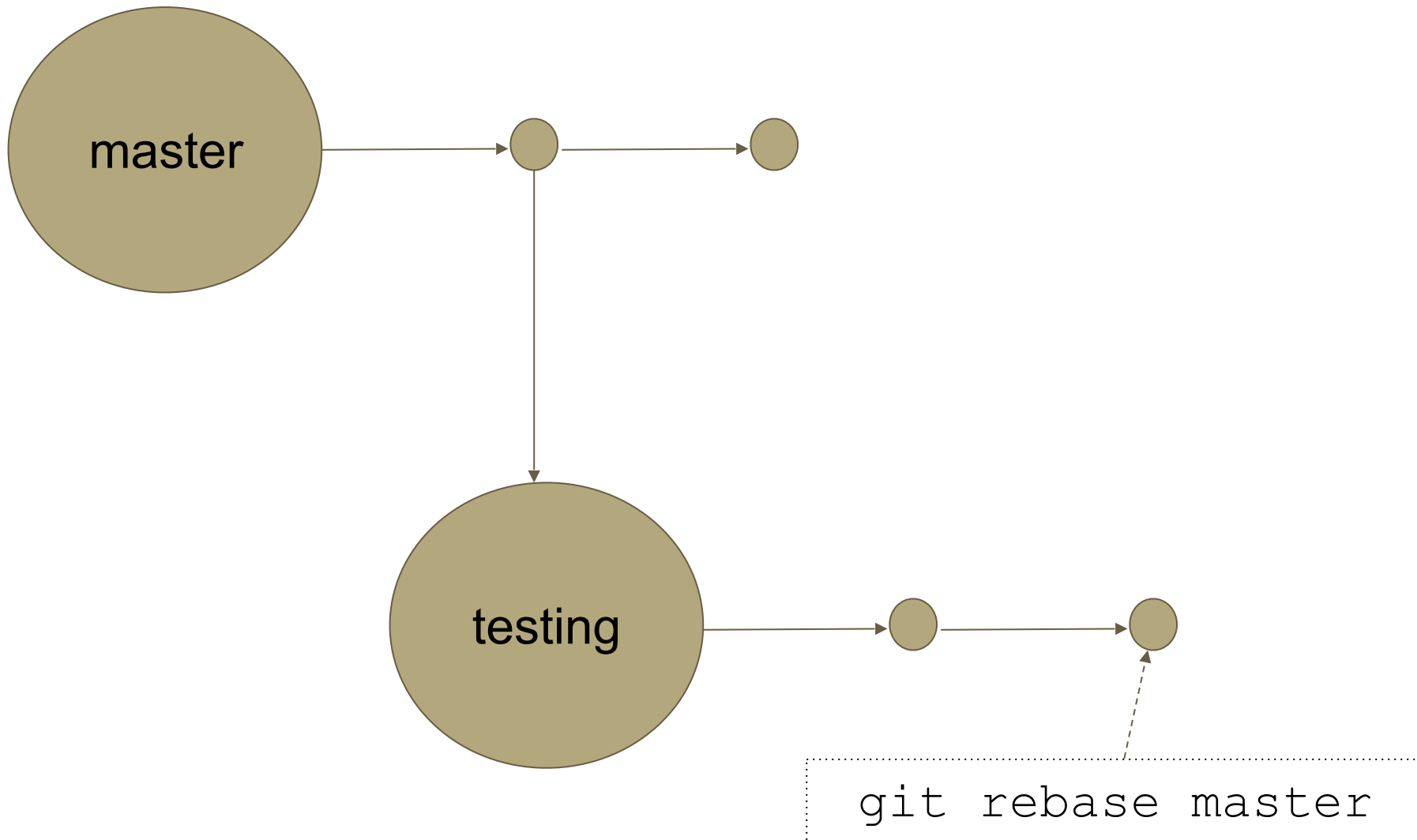
```
git add .
```

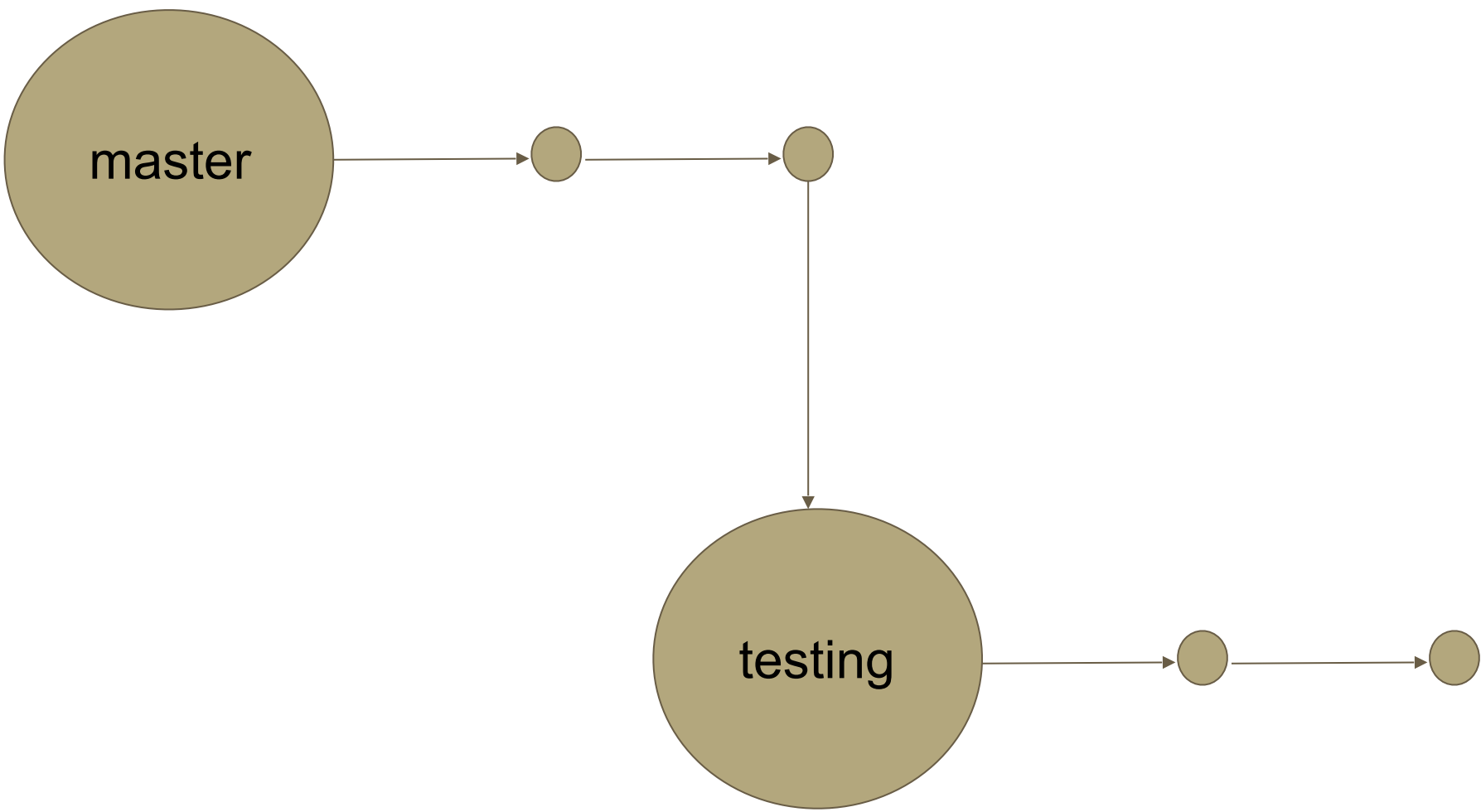
```
git commit -m "merge conflict fixes"
```

```
git push origin master
```

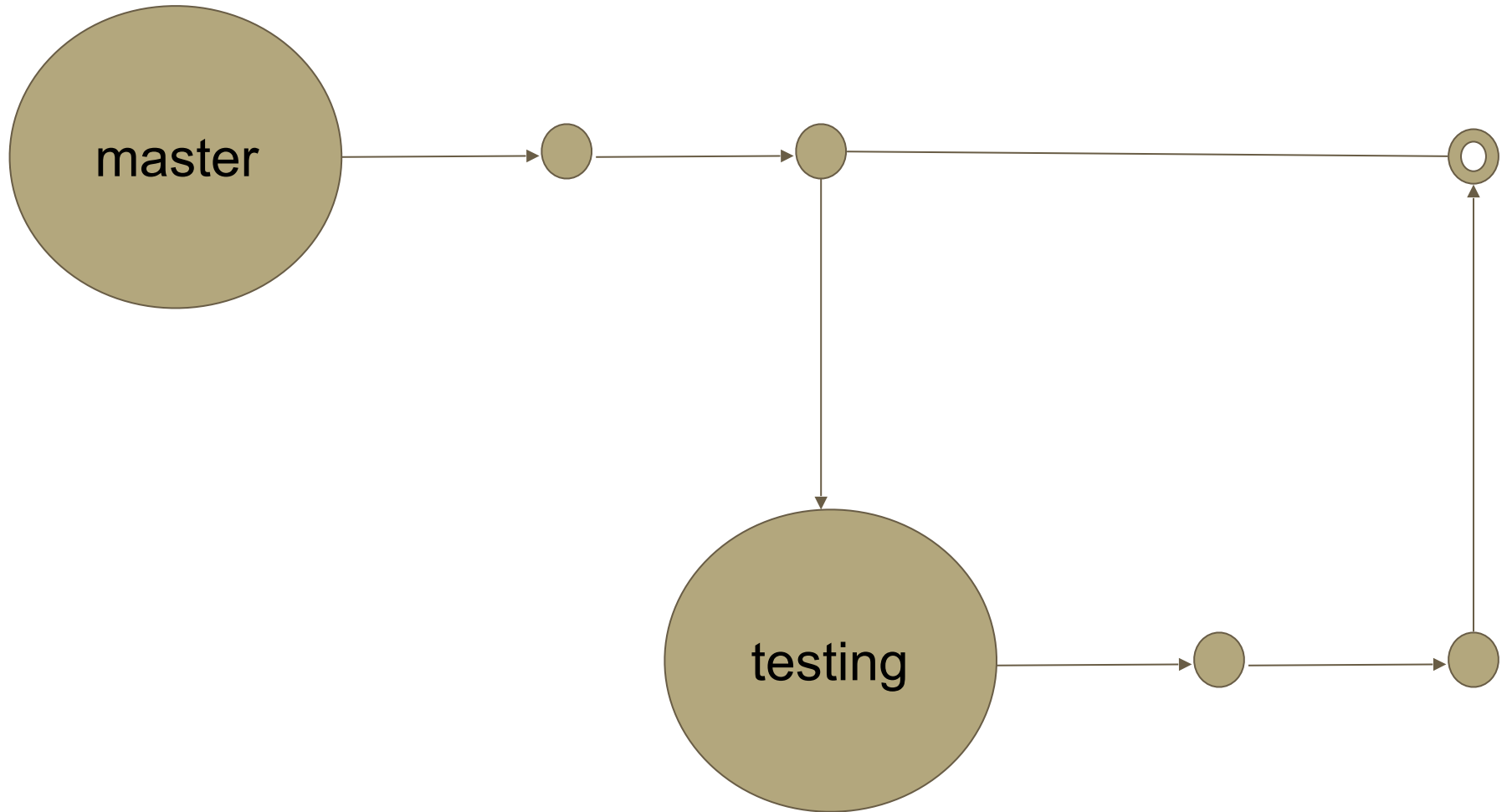
git rebase







git rebase & merge



Scenario 05

- Create a new branch “branch2” from master
- Do some changes to a file. Commit & push them
- Go to master branch, change the same file, commit & push the changes
- Rebase “branch2” from master
- merge “branch2” to master

git checkout -b branch2

git add .

git commit -m "changes from branch2"

git push origin branch2

git checkout master

git add .

git commit -m "changes from master"

git push origin master

git checkout branch2

git rebase master

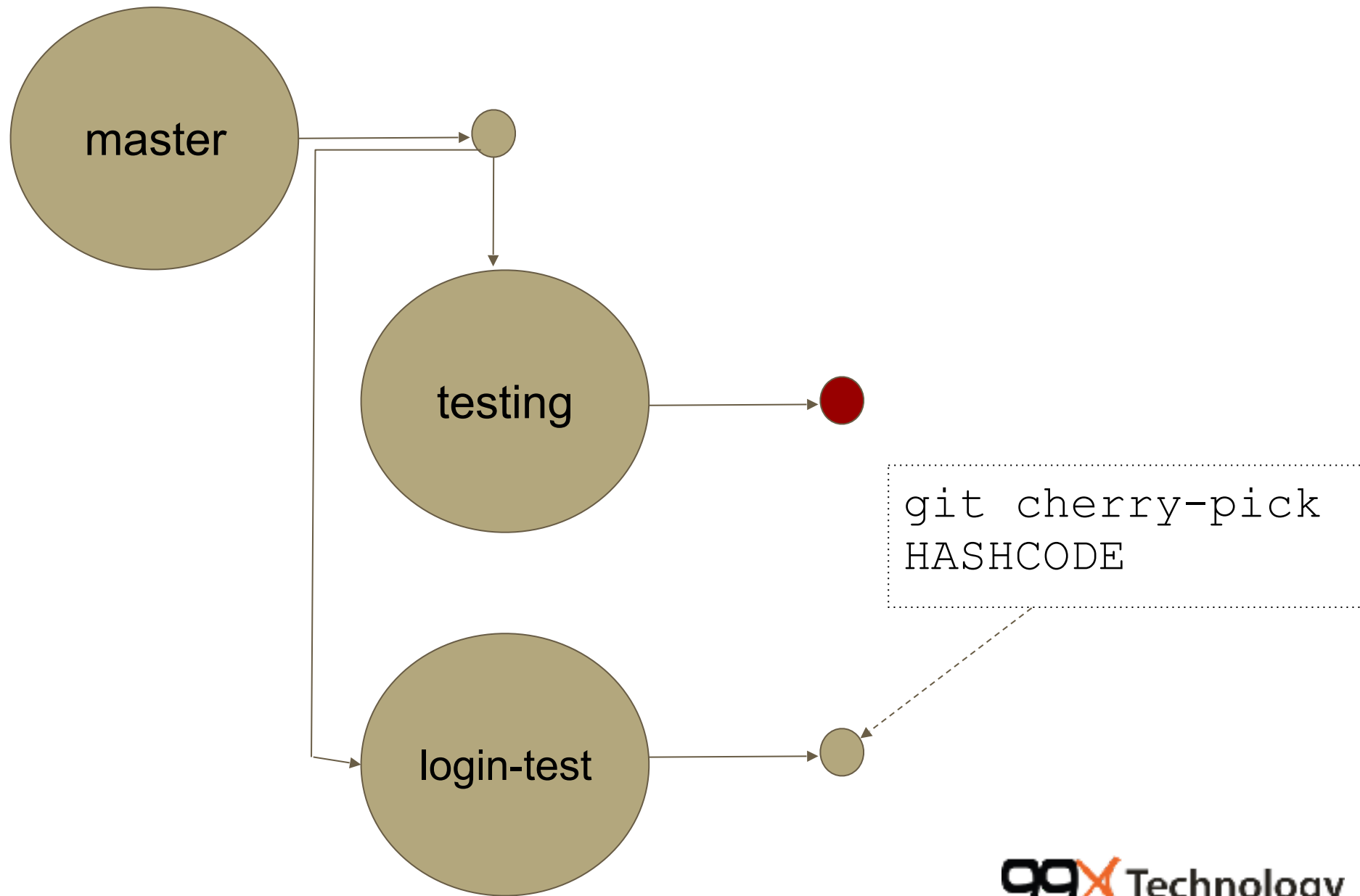
git add .

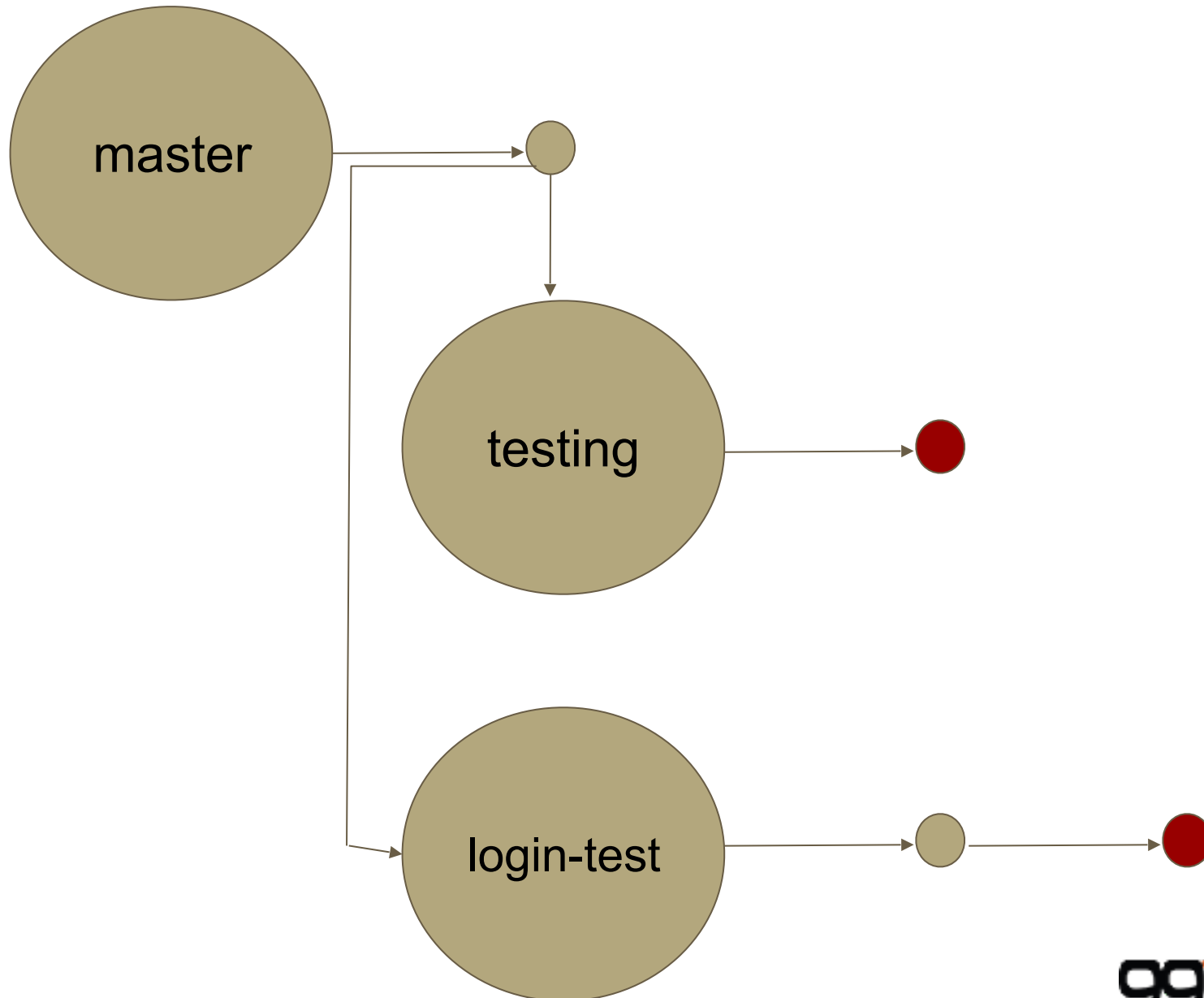
git rebase --continue

git push origin branch2 --force

git cherry-pick







Scenario 06

Cherry pick branch1 5kw32
commit to branch2

```
git checkout branch2
```

```
git cherry-pick 5kw32
```

git stash



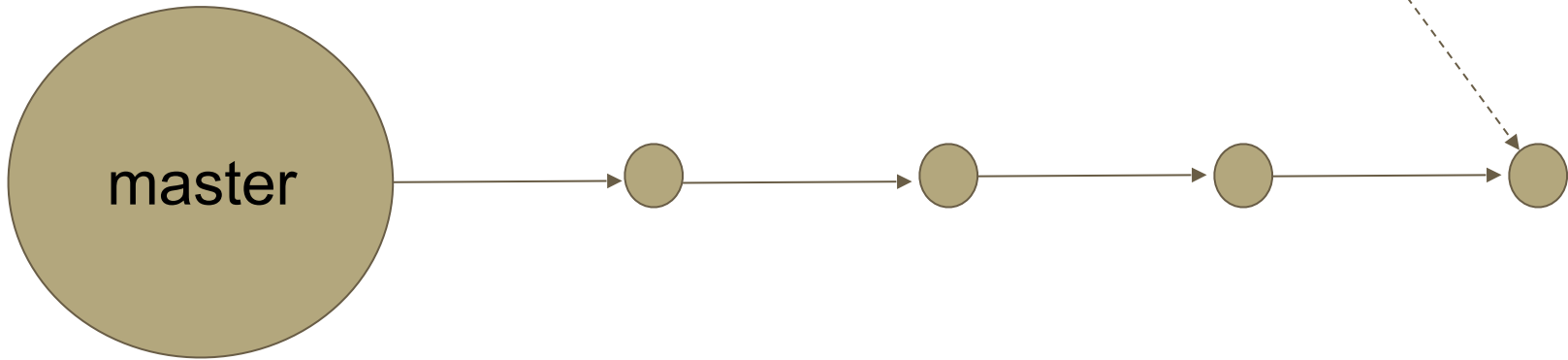
**KEEP
CALM
AND
GIT
STASH**

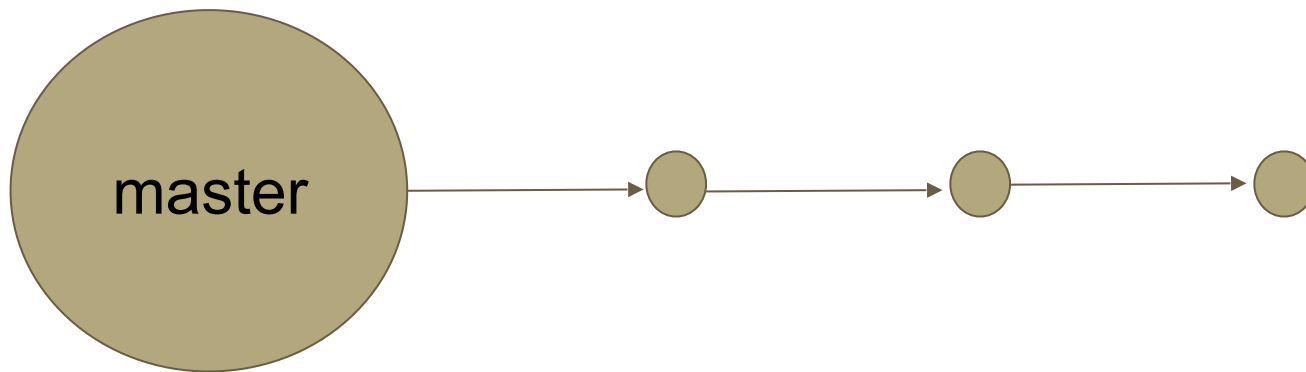
Demo

git reset



```
git reset --hard HEAD~
```





The diagram illustrates the Git workflow stages. It consists of three shapes arranged vertically on the left: a light orange oval at the top, an orange six-pointed star in the middle, and a dark orange multi-pointed star at the bottom. To the right of these shapes are two curved arrows pointing upwards. The top arrow is associated with the text 'git commit' in a large bracket, and the bottom arrow is associated with the text 'git add' in a large bracket. The entire diagram is set against a white background with a teal footer bar.

Committed

Staged

Changes

git commit

git add

Committed

`git reset --soft HEAD~`

Staged

`git reset`

Changes

`git checkout FILE_NAME`

Scenario 07

- Do some changes and commit them
- Discard that last commit
- Commit some changes again
- Take them back to staged state
- Take them to changes state
- Discard those changed files

git add .

git commit -m "commit message"

git reset --hard HEAD~

git add .

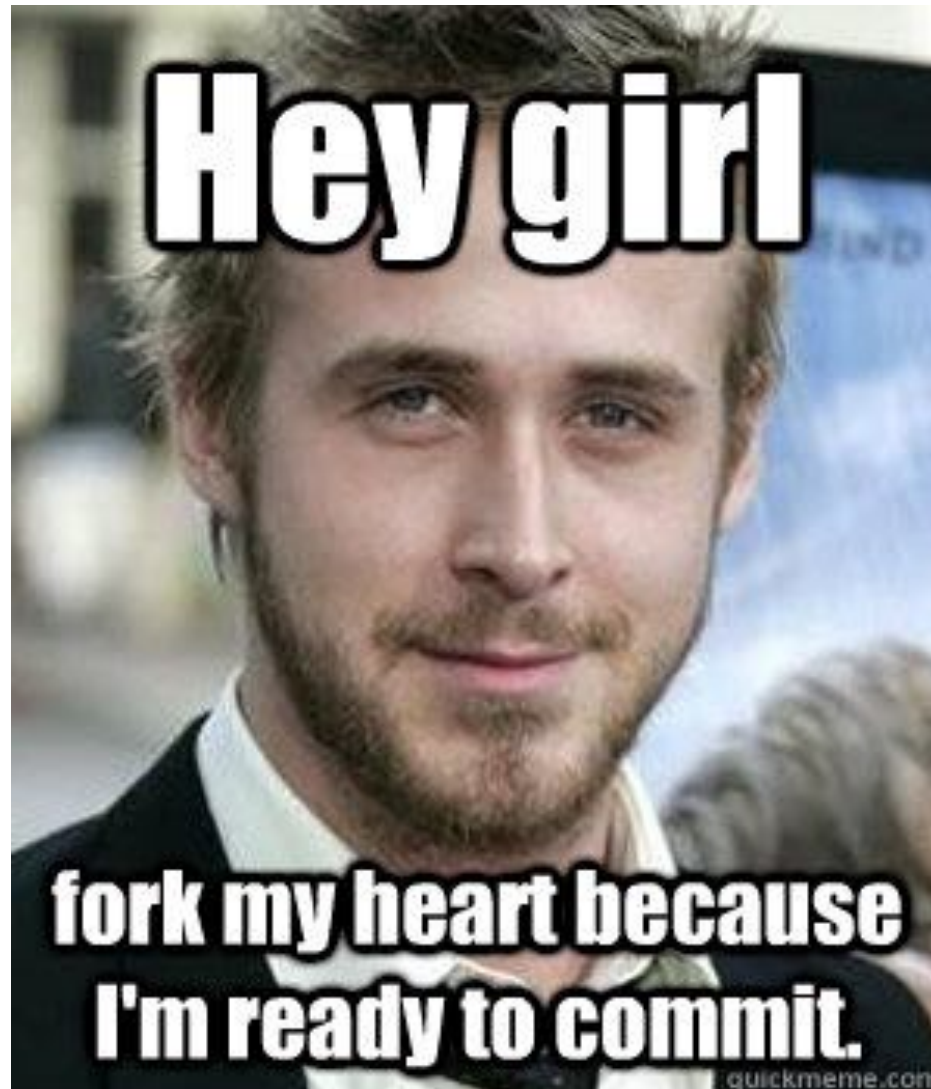
git commit -m "second commit"

git reset --soft HEAD~

git reset

git checkout FILE_NAMES

fork repository





“Stay hungry, stay foolish”

Steve Jobs



dilumn

dilumn_



<https://github.com/dilumn/git-presentation>



Scan me



KEEP

CALM

PRESENTATION IS OVER

ANY

QUESTIONS?



**THANK YOU FOR
LISTENING**

TO MY PRESENTATION!!