GIT

99X Technology

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dilumn_

dilumn

What is GIT

Why we use GIT

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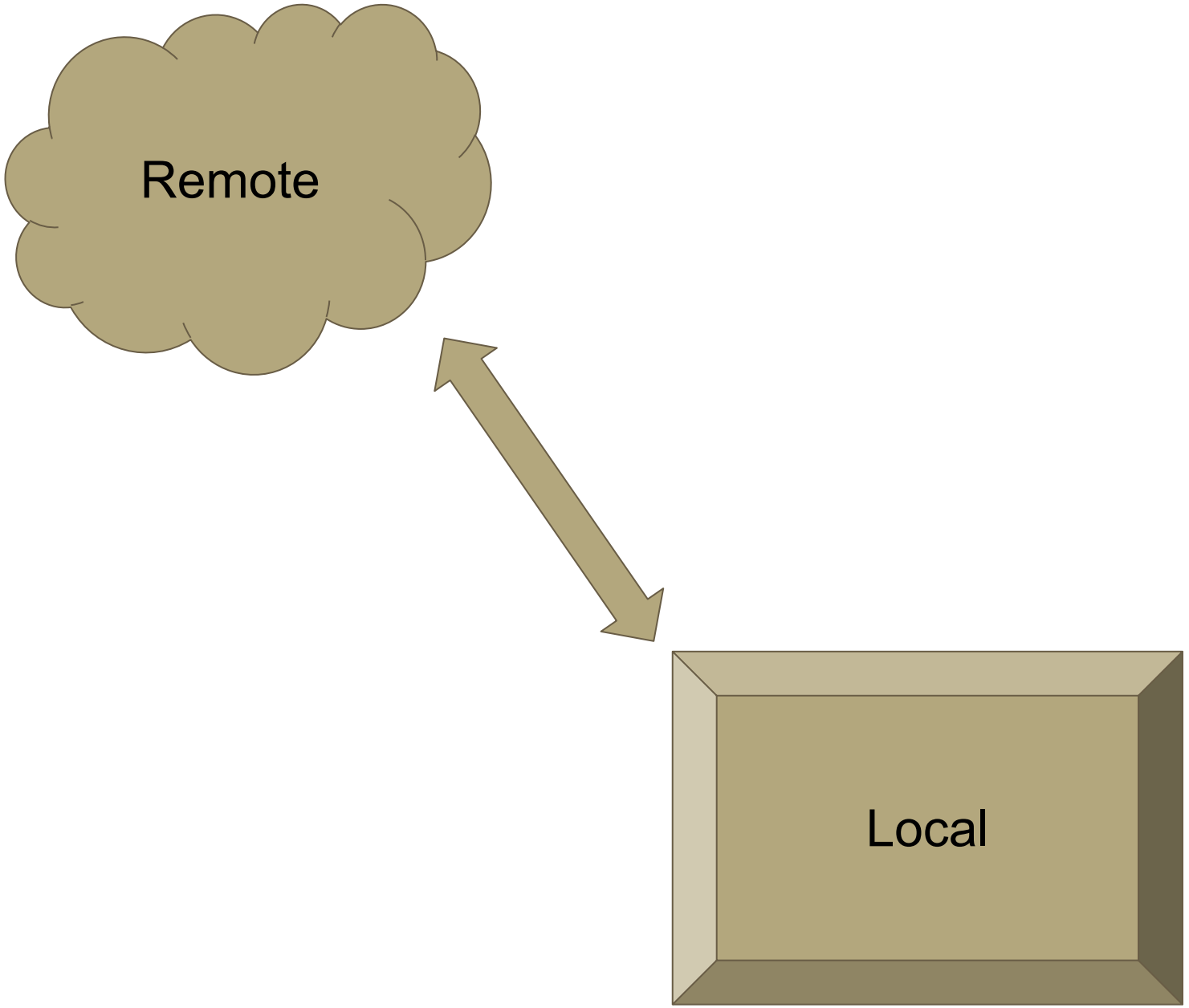
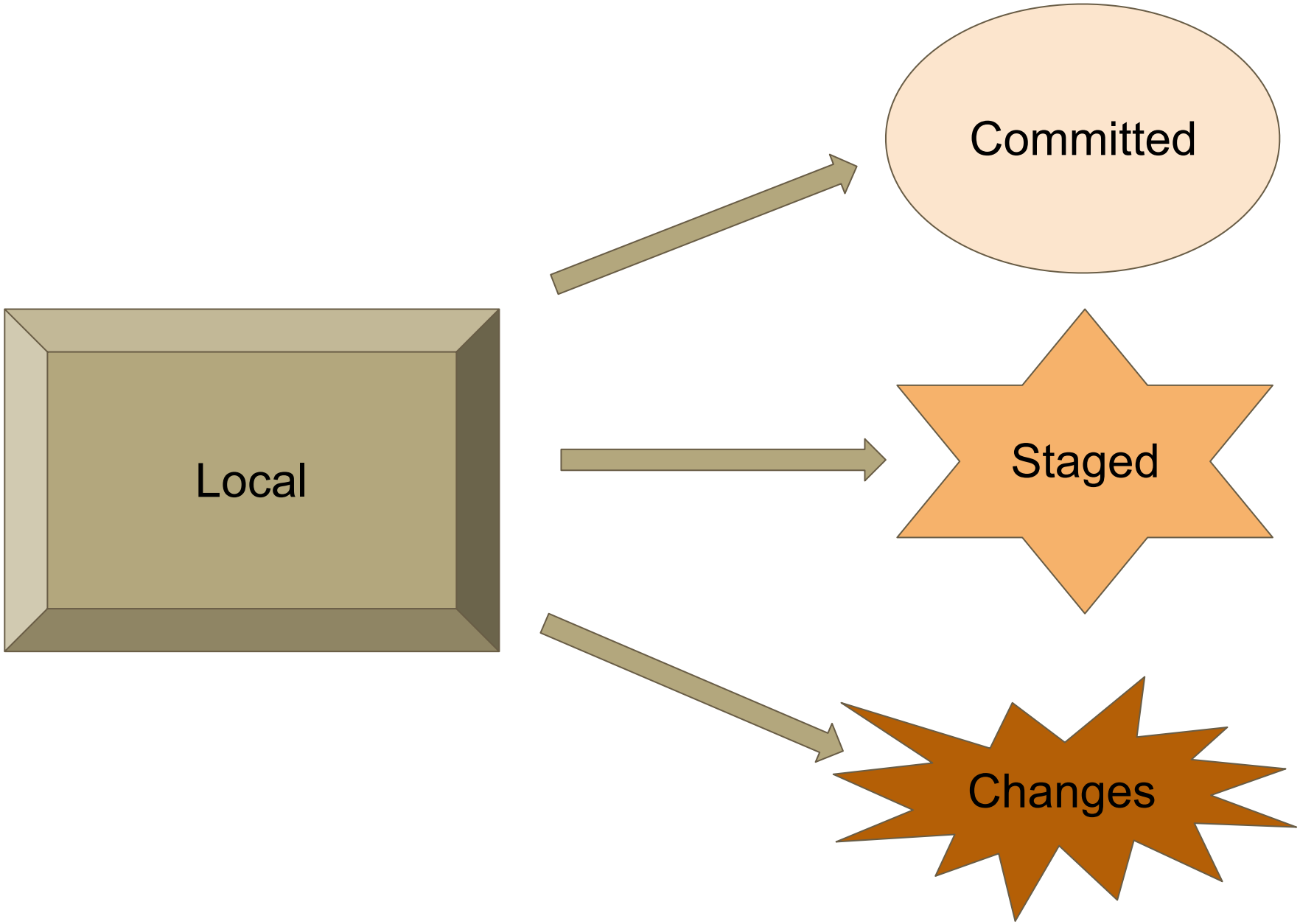
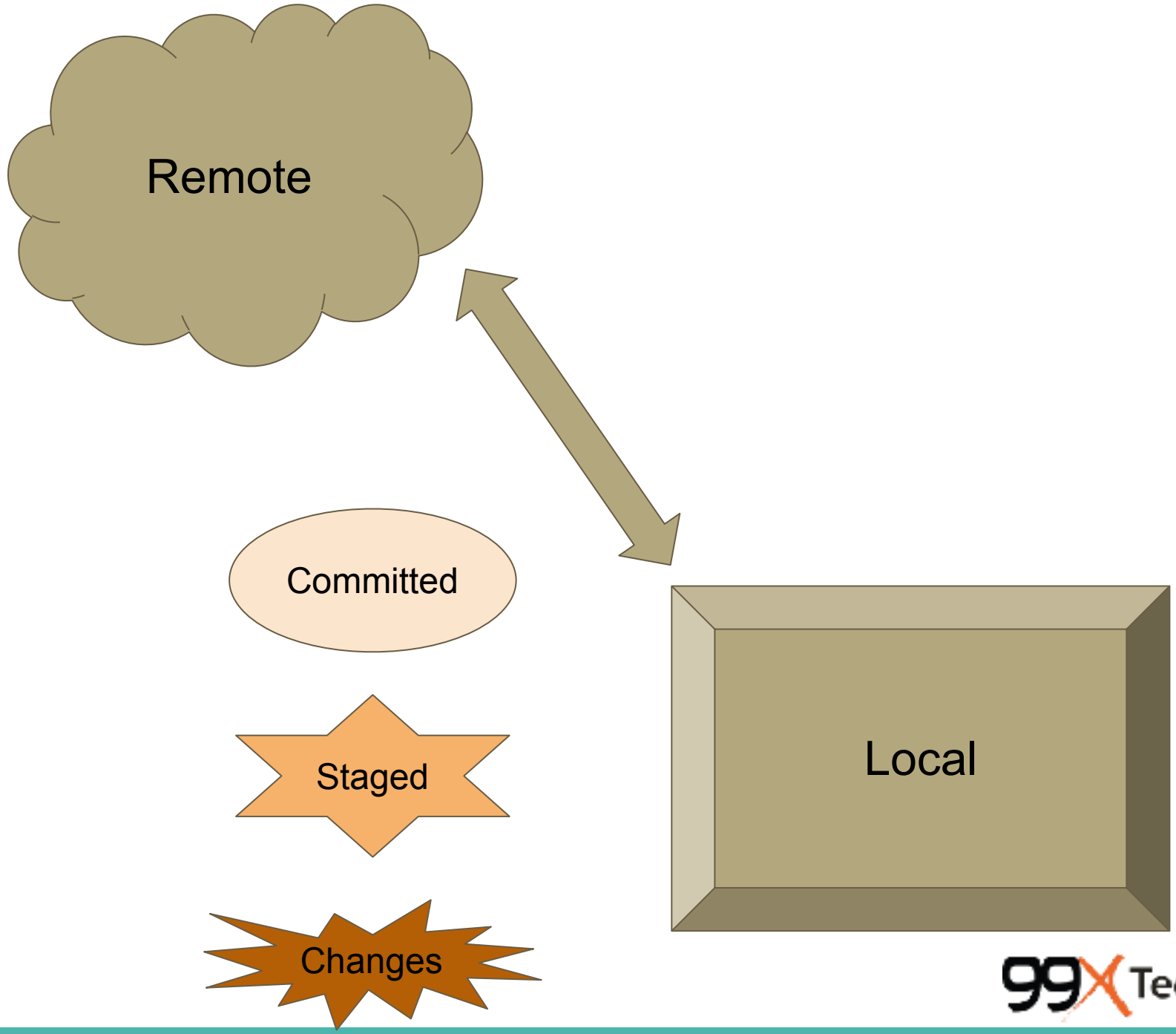
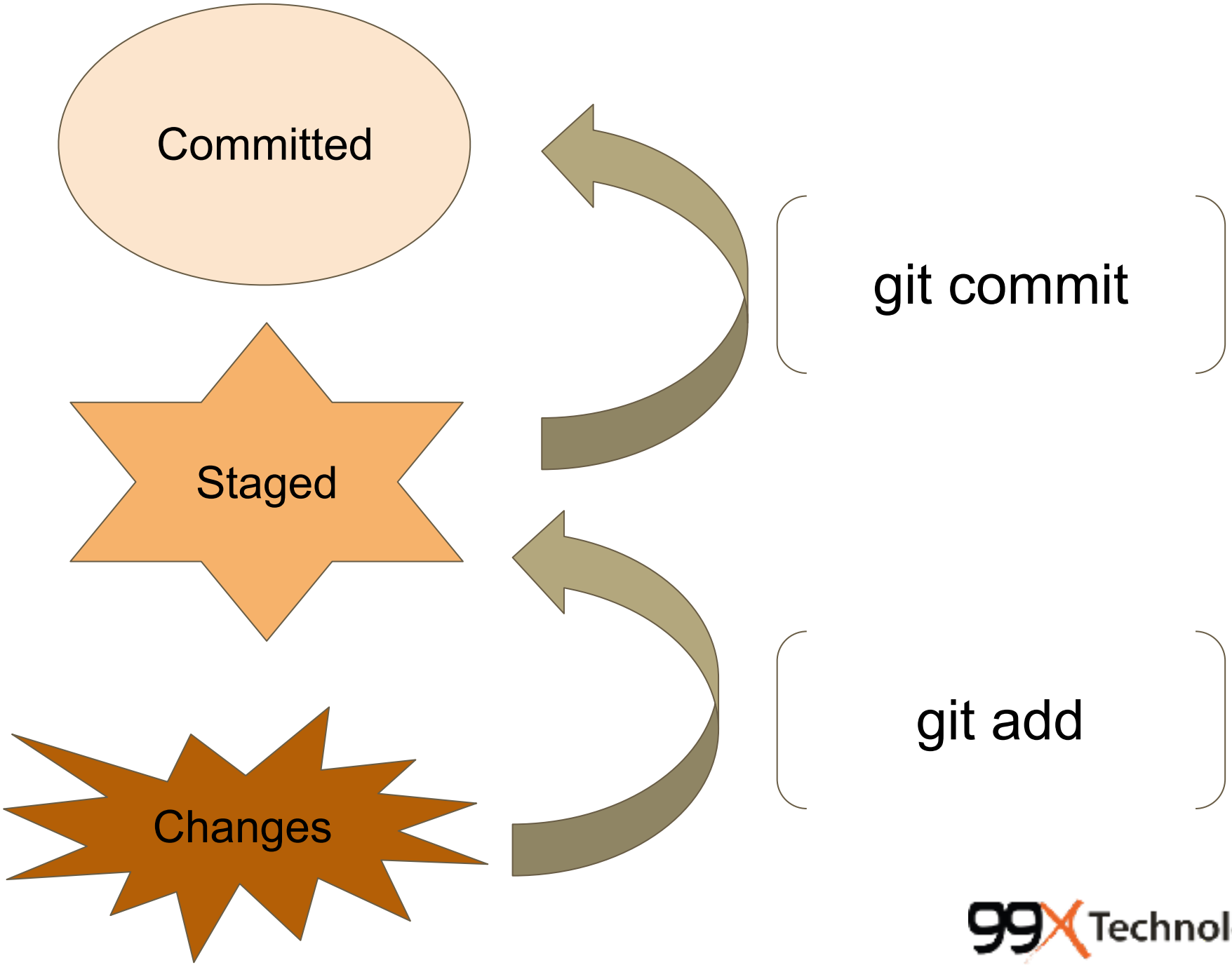
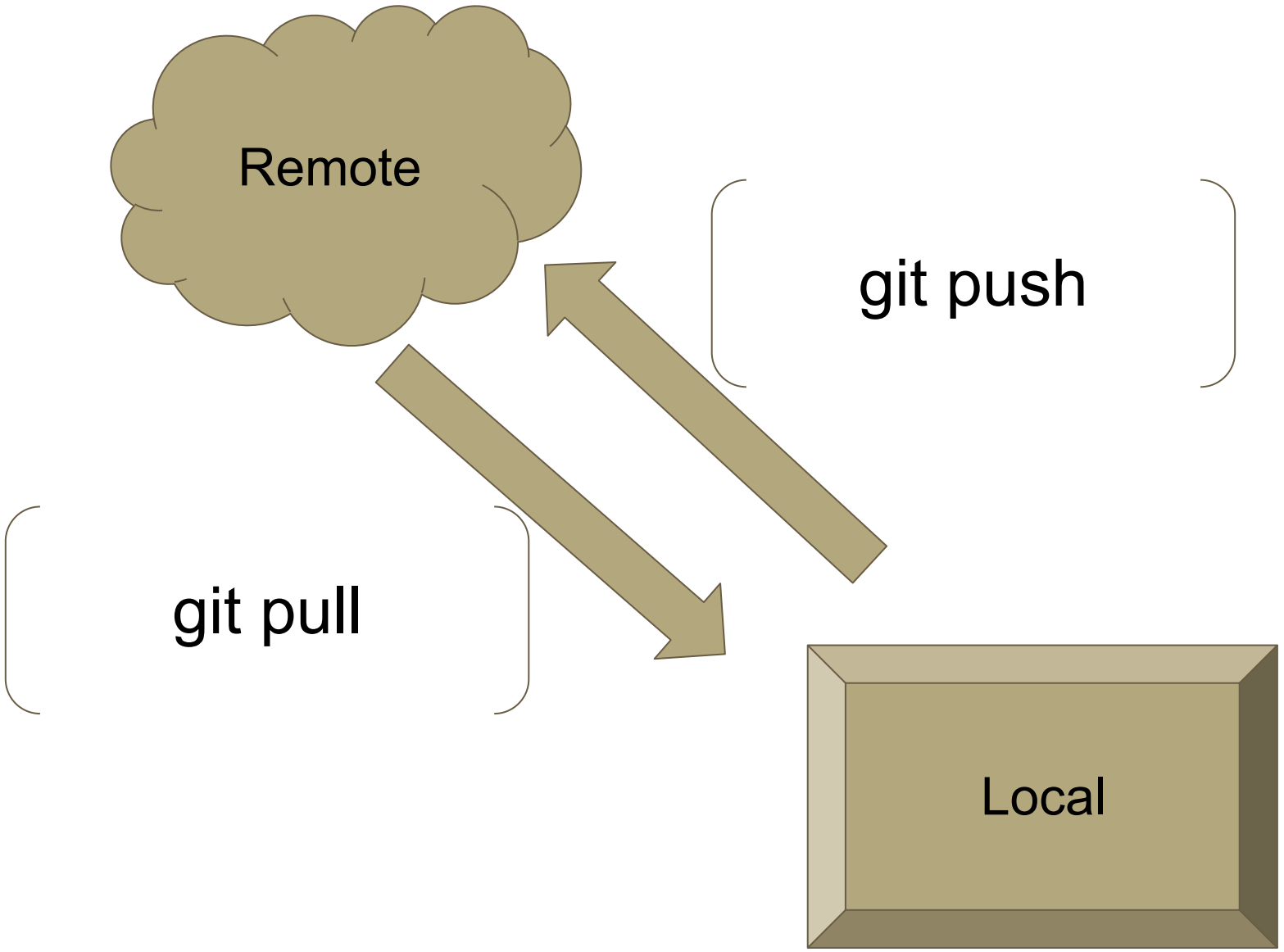
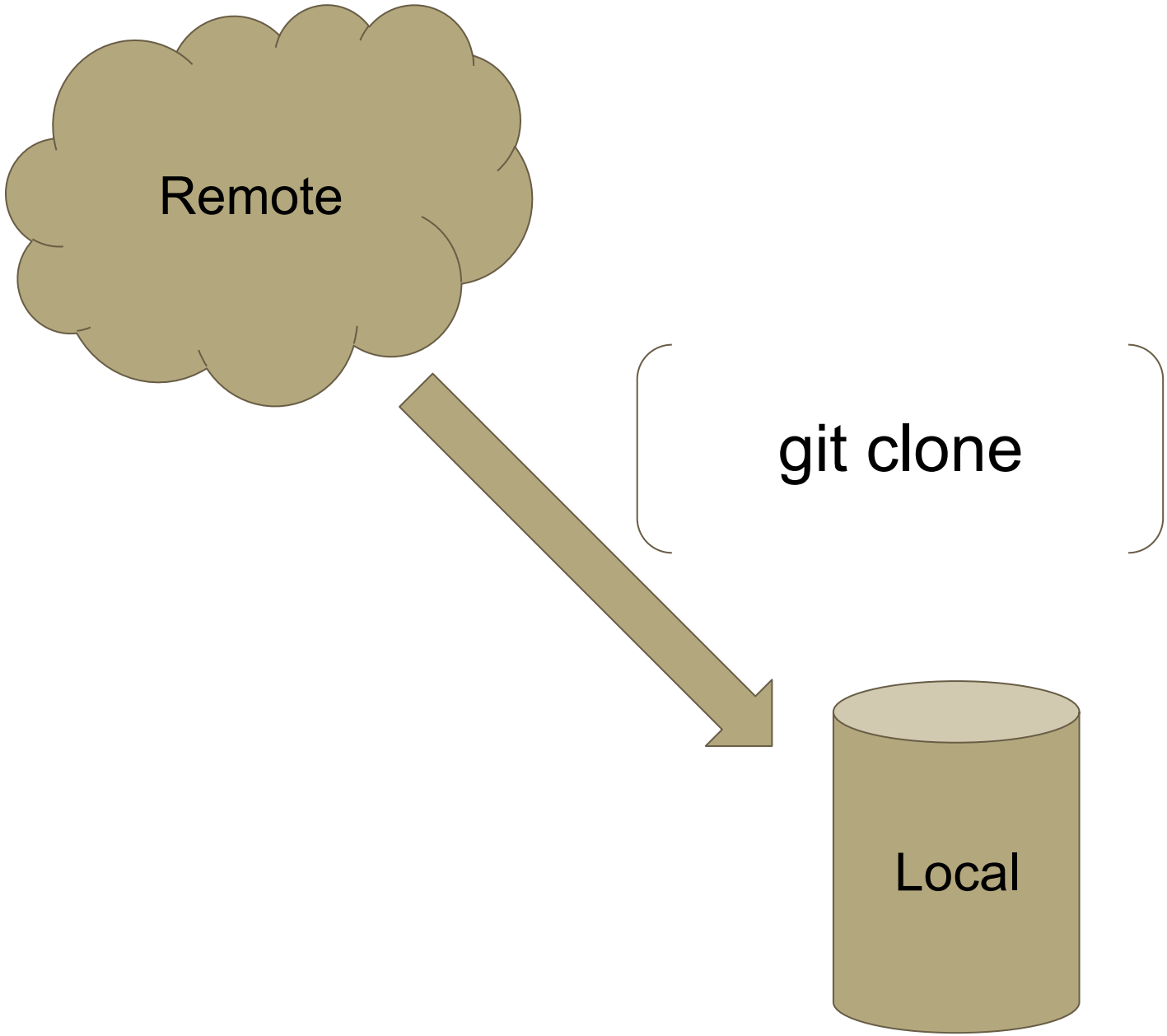

Remote
Local

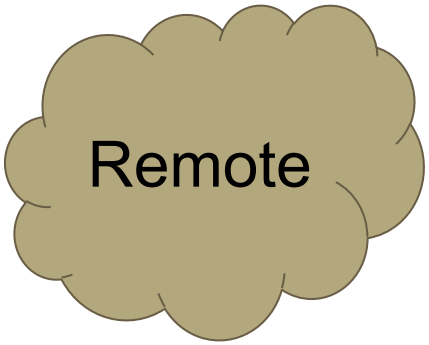

Committed
Local
Staged
Changes

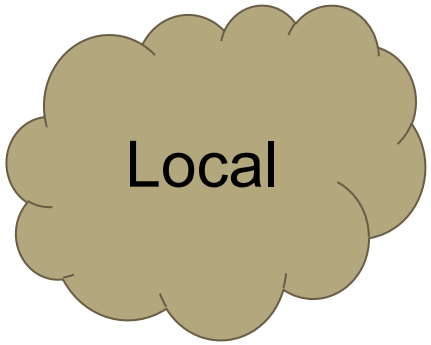

Remote
Committed
Staged
Changes
Local

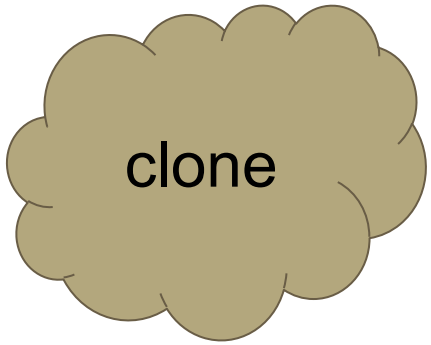

Committed
Staged
Changes
git commit
git add

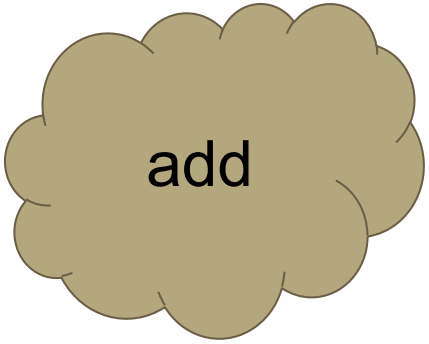

Remote
git push
git pull
Local

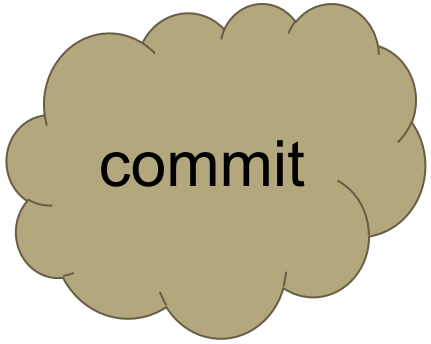

Remote
git clone
Local

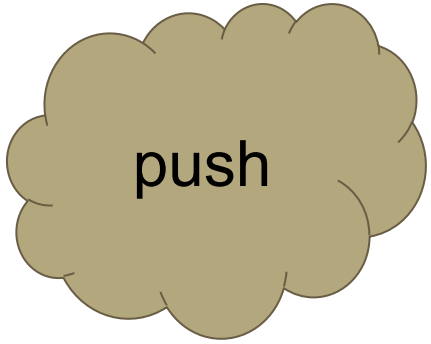

Remote

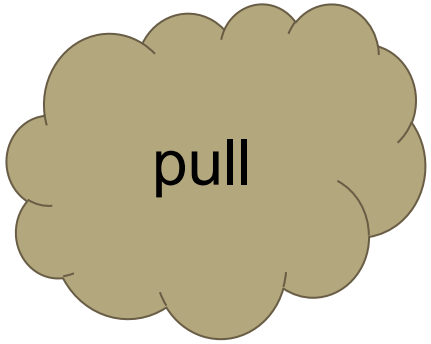

Local


clone


add


commit


push


pull

Scenario 01

- Take a repository to the local for the first time

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```
git clone https://github.com/dilumn/git-plan.git
```

Scan me

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Scenario 02

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

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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

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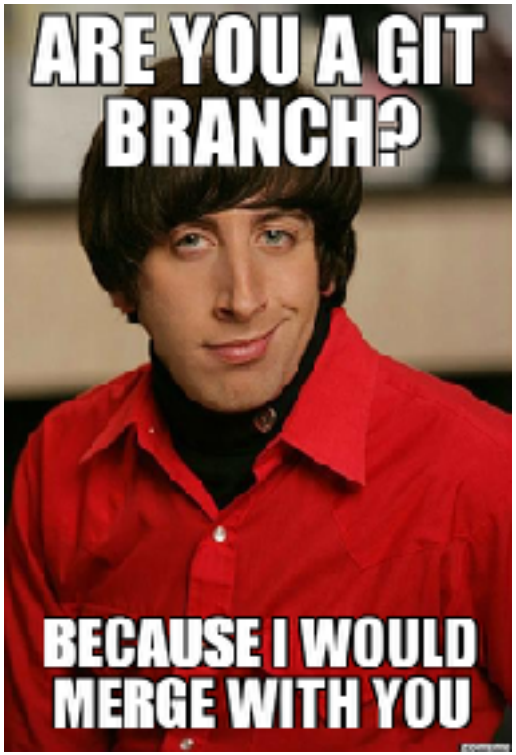
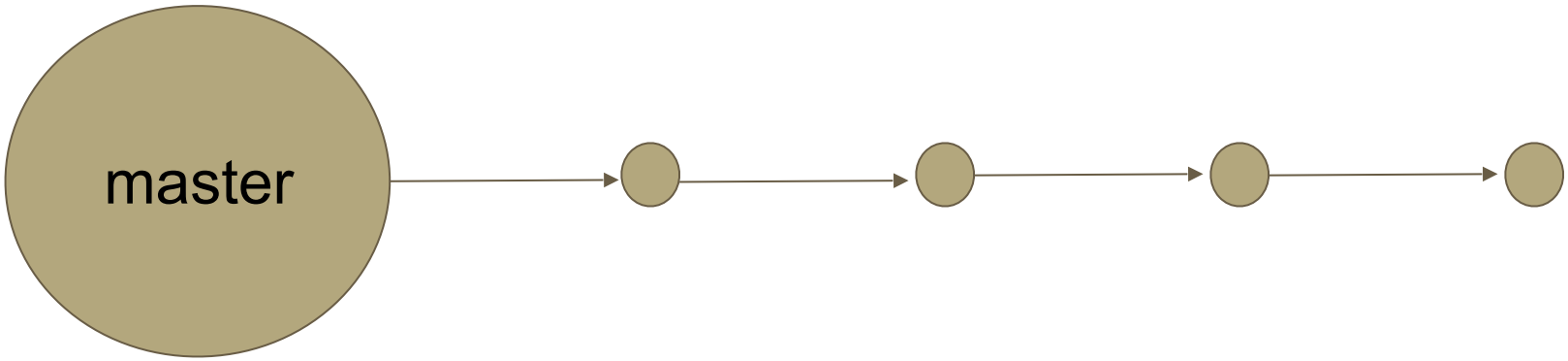
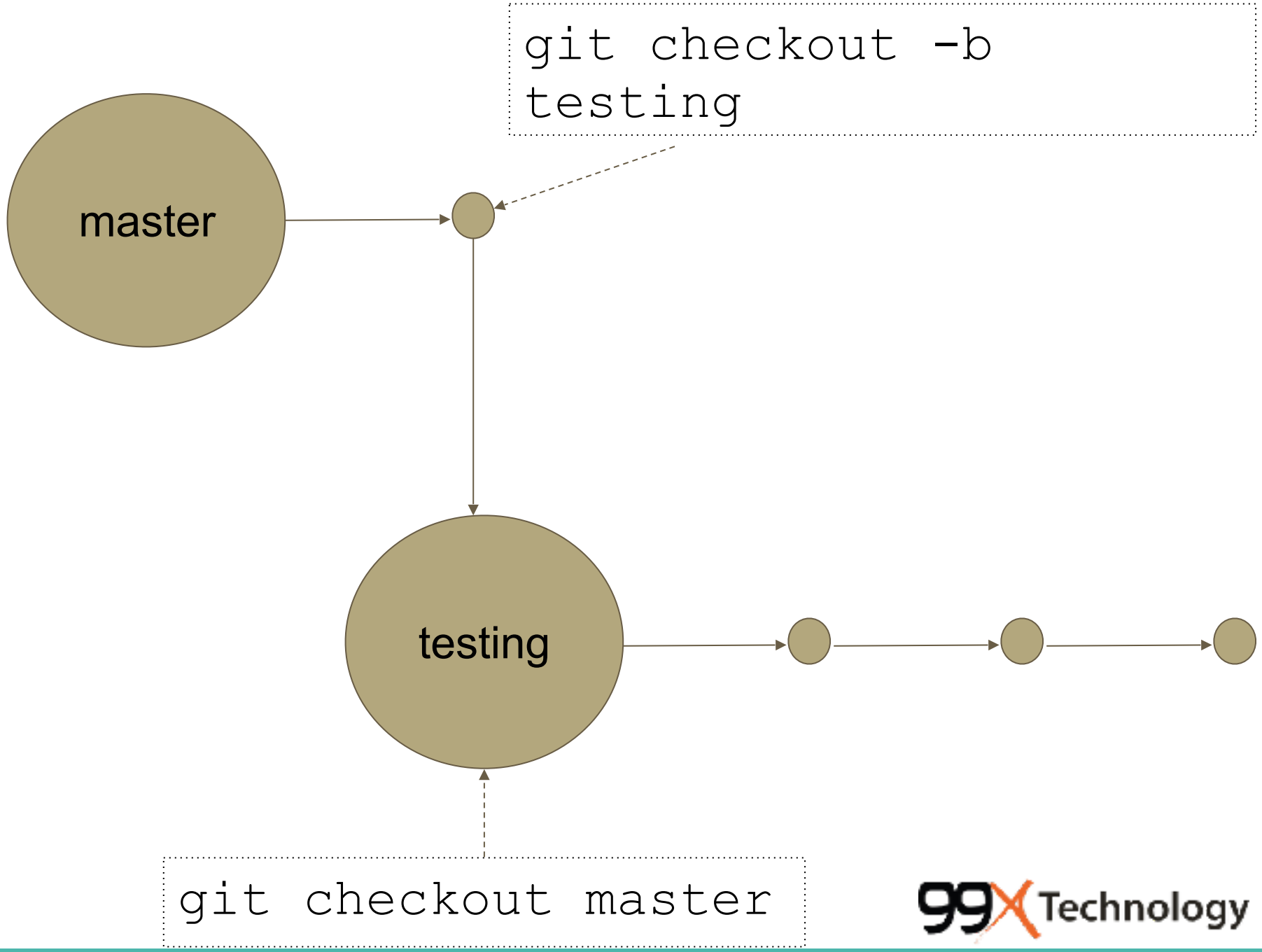
```
git init

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

git add .

git commit -m “commit message”

git push origin master
```

git branching



NEVER EVER
COMMIT TO MASTER!


master



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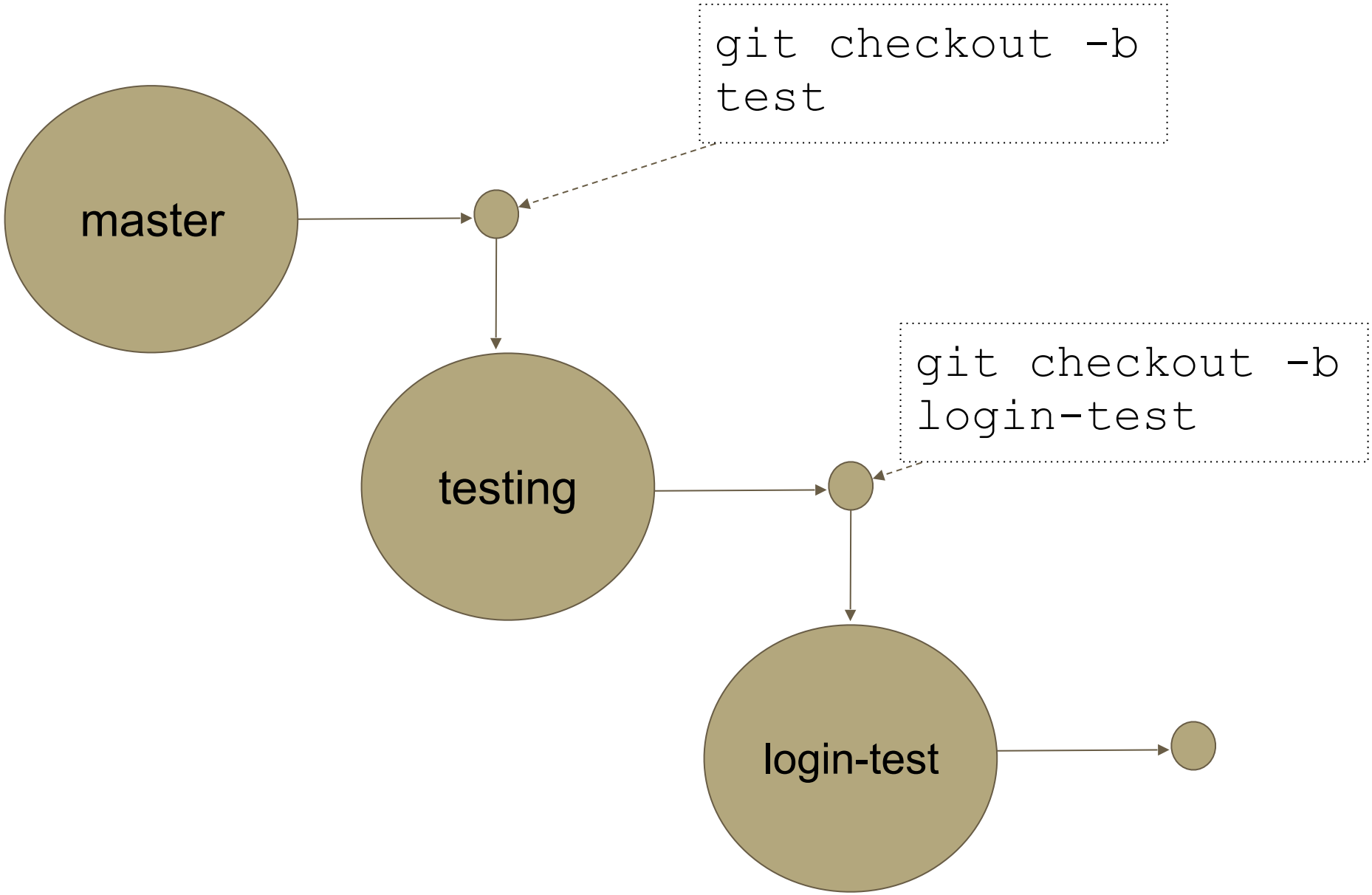
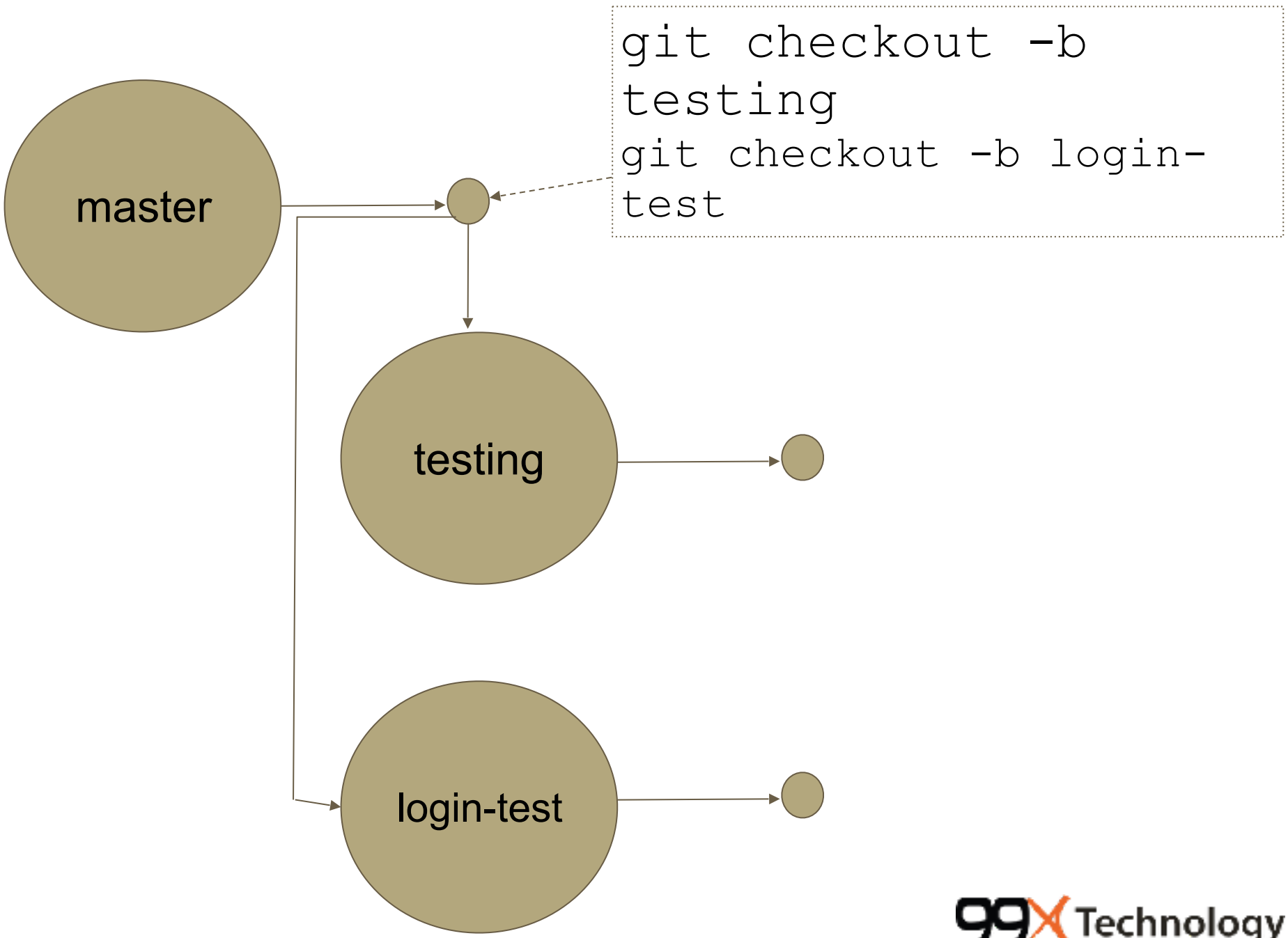

git checkout -b test
master
testing
git checkout -b login-test
login-test



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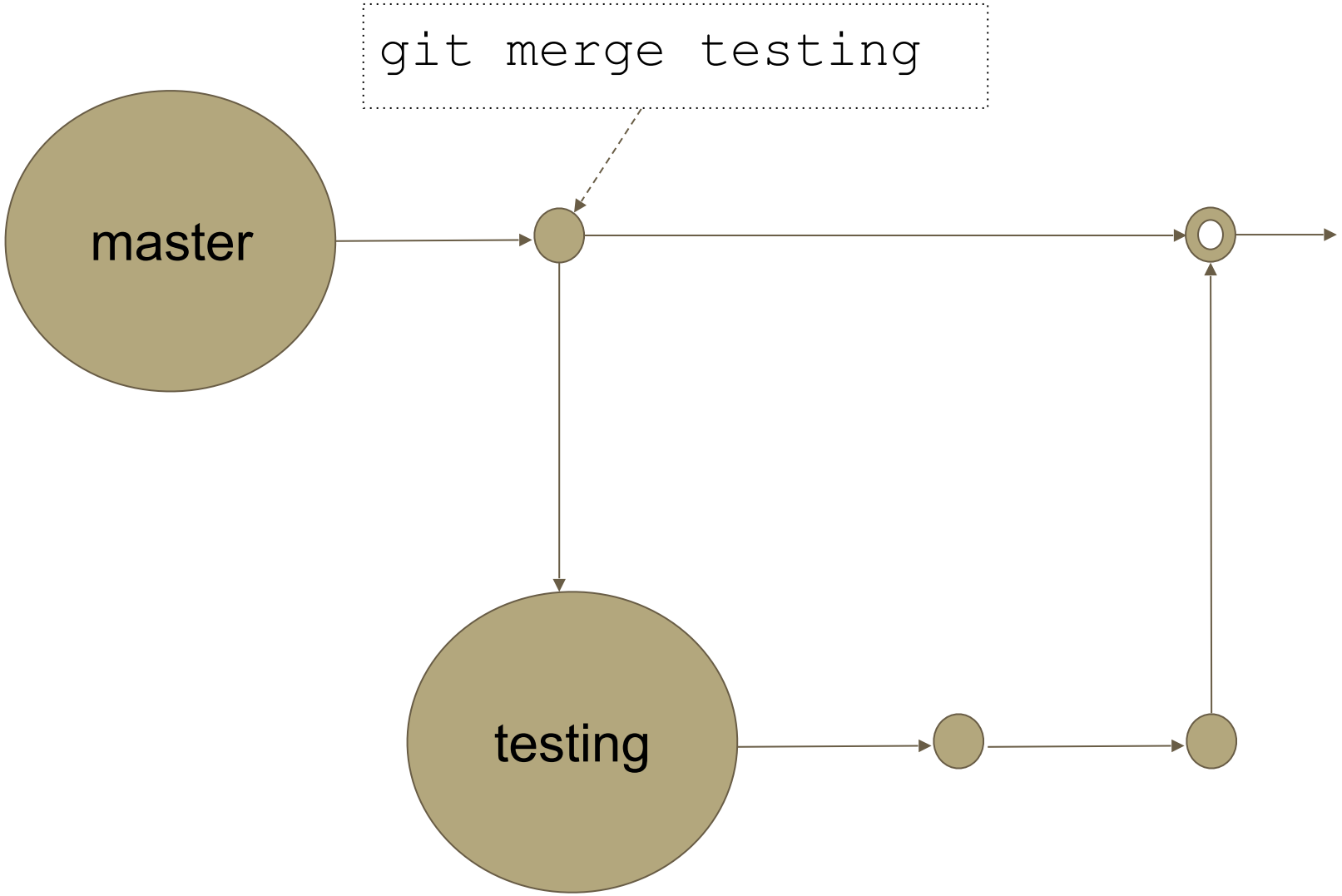
git merge



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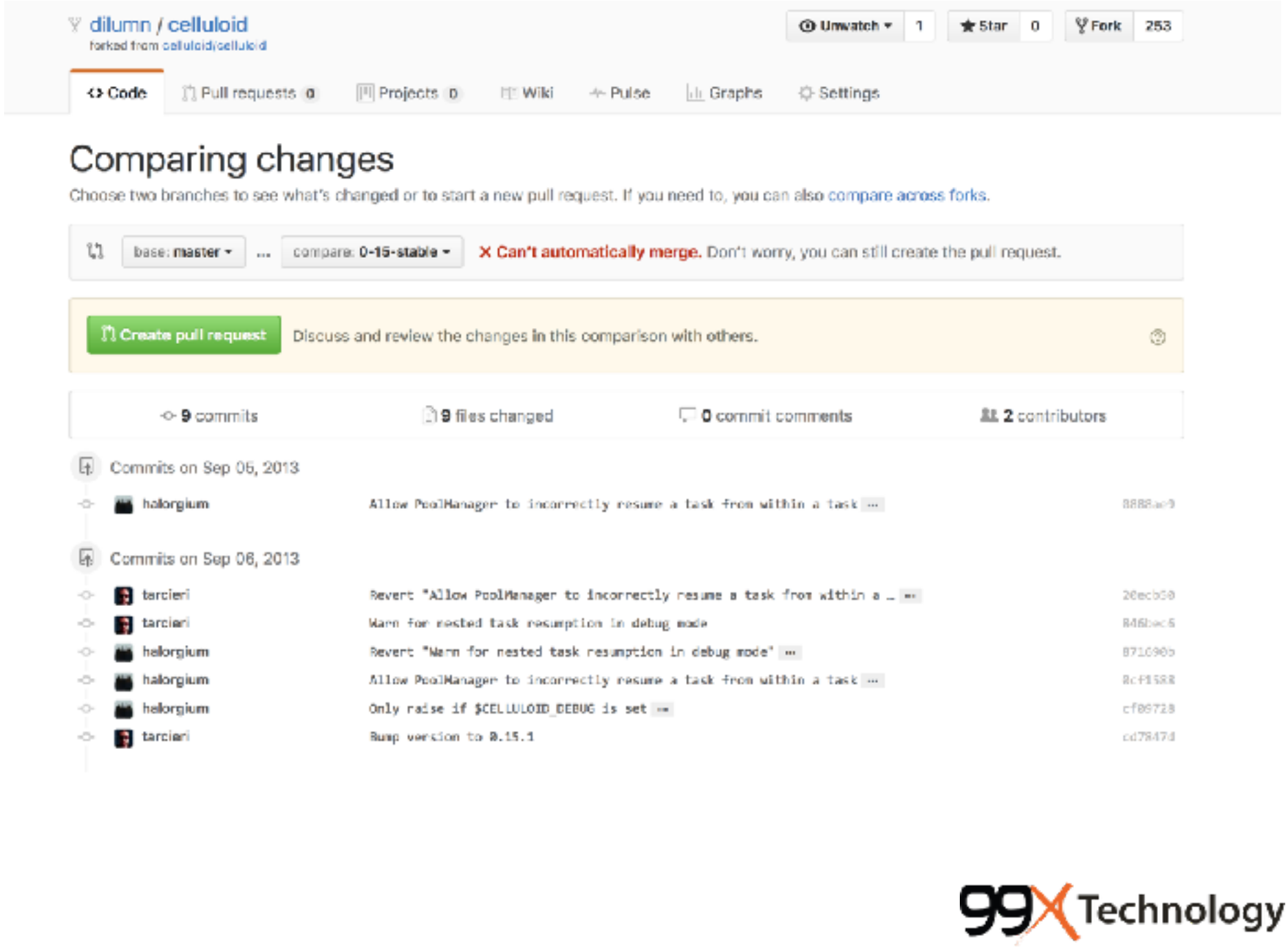

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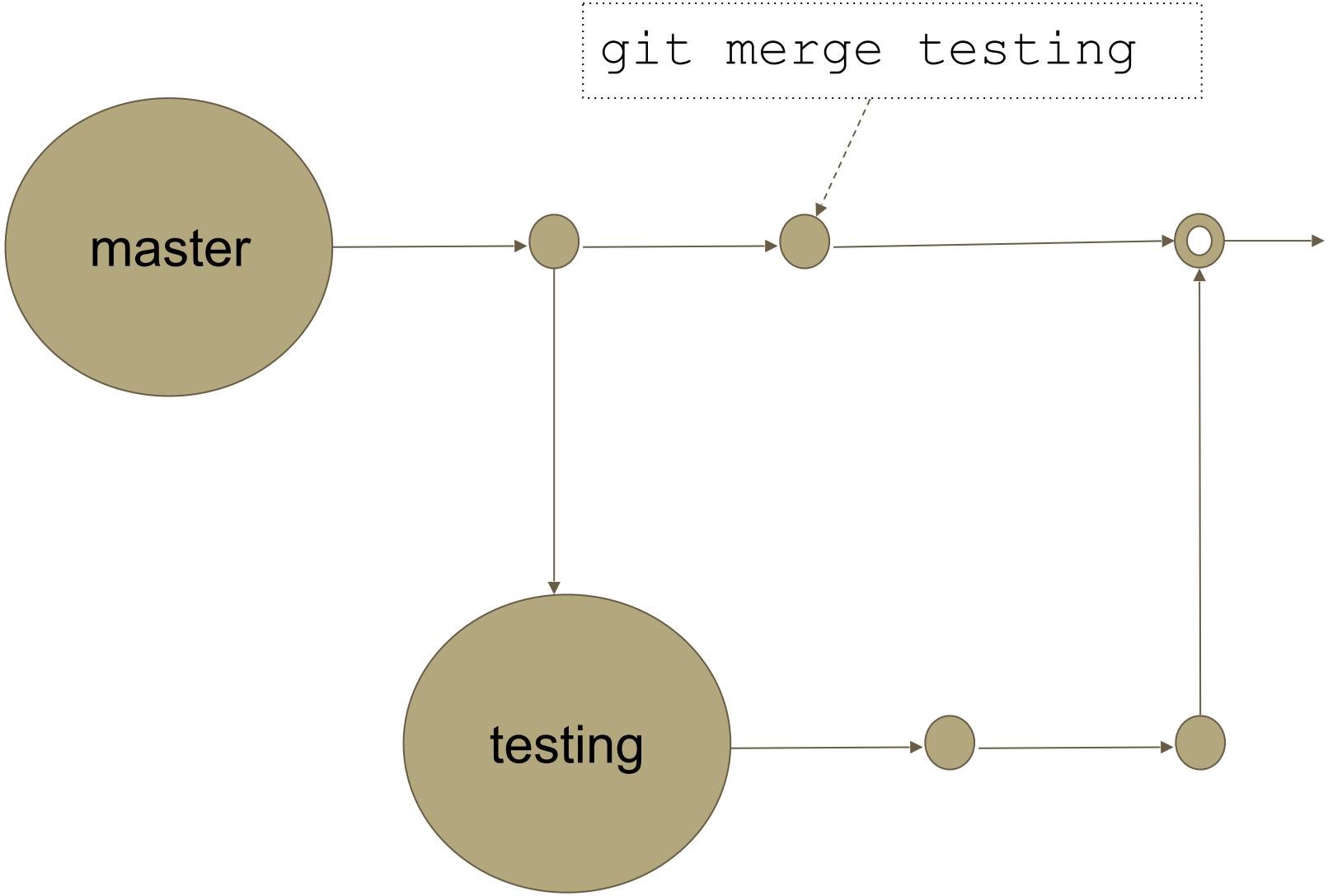

merge conflicts

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Demo

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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

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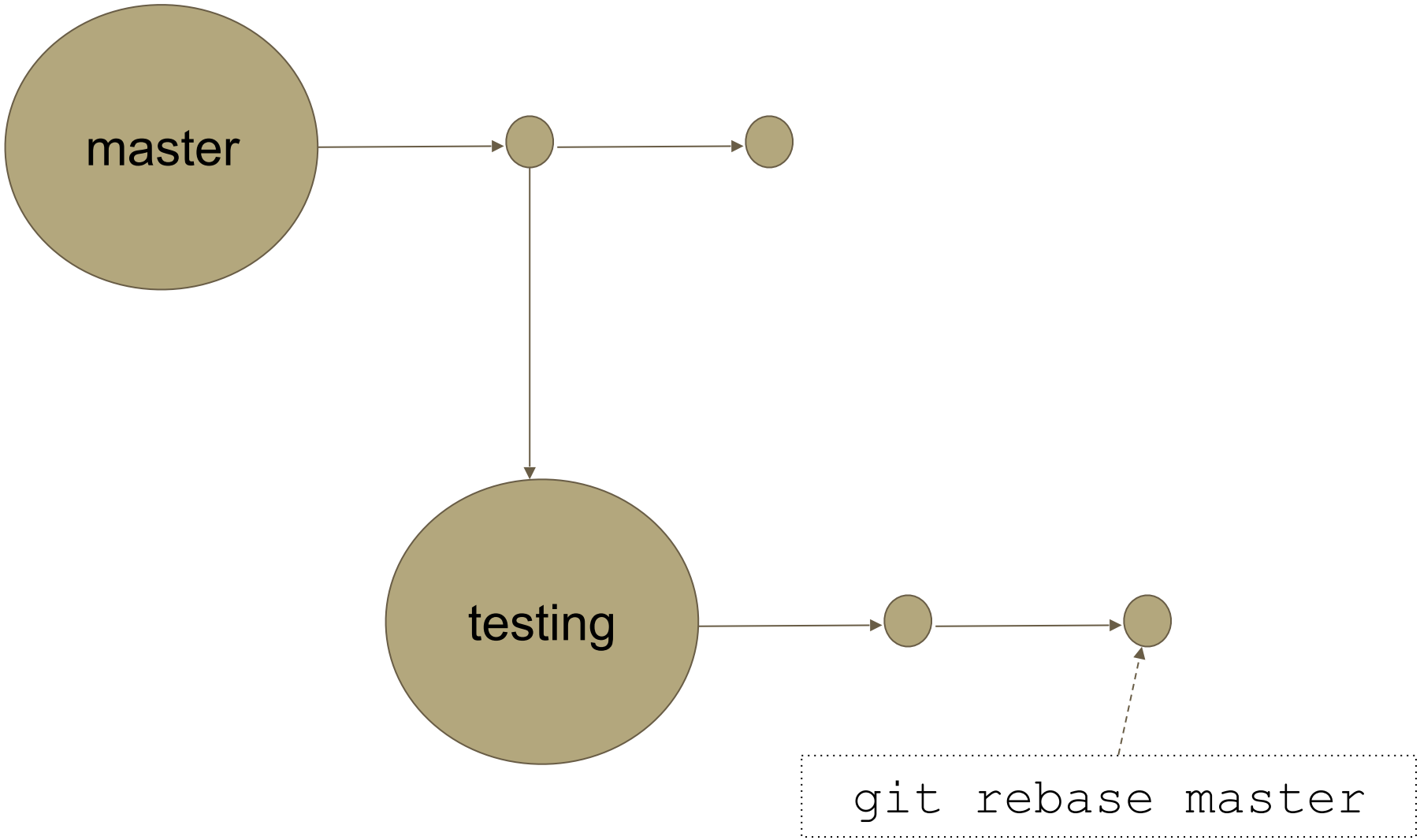
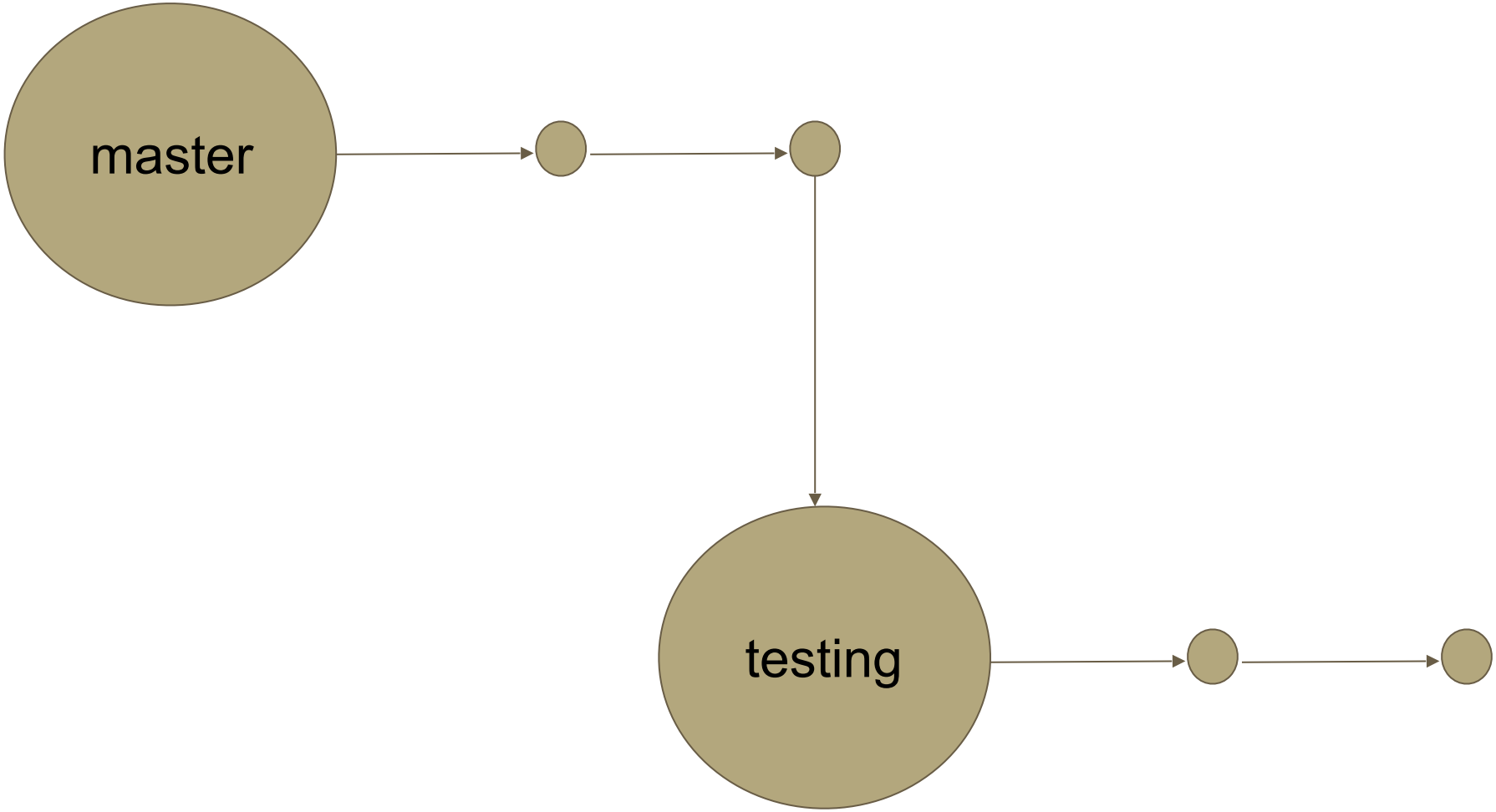
```
git checkout -b branch1

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


master
testing
git rebase master



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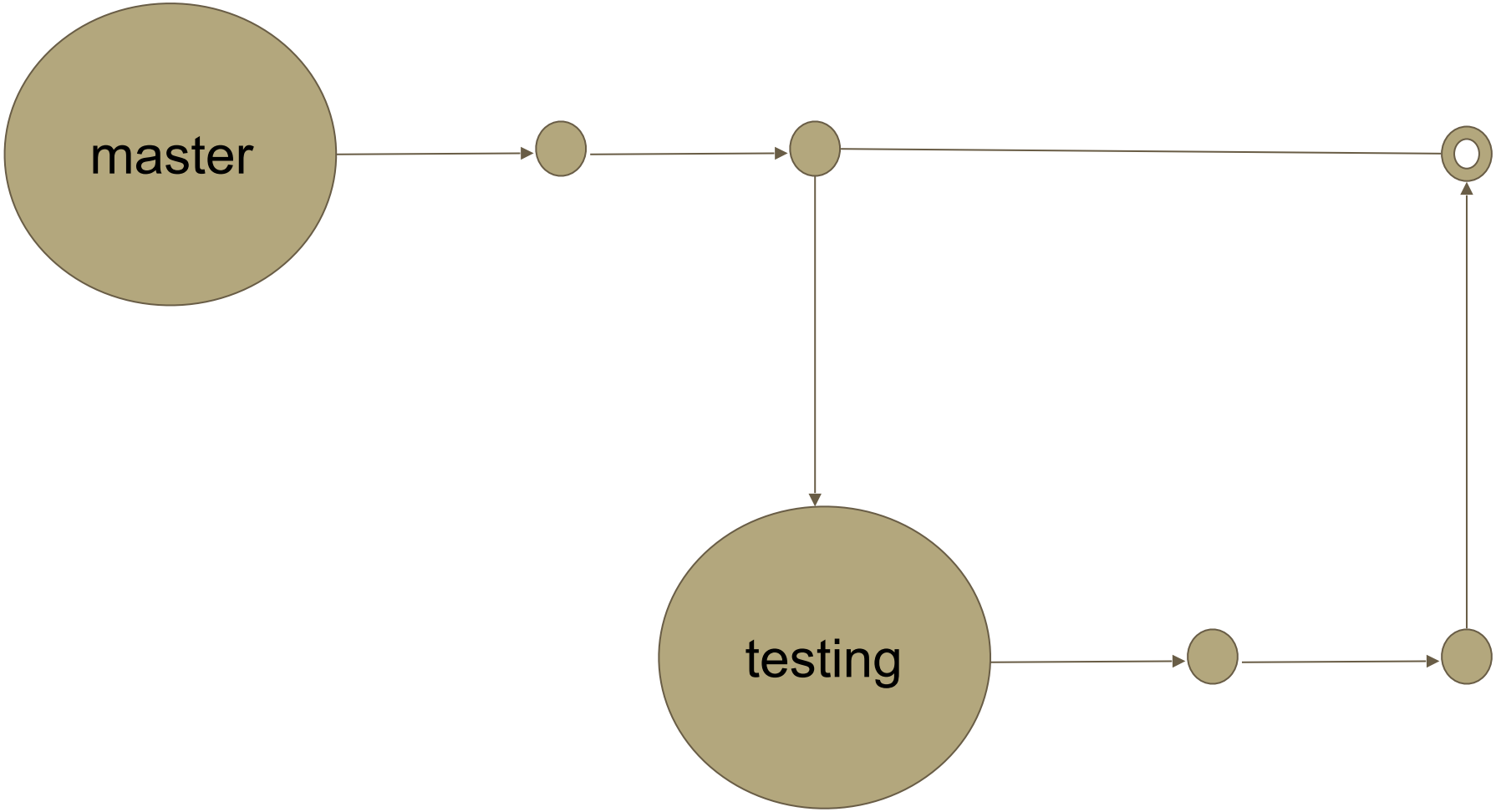
git rebase & merge



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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

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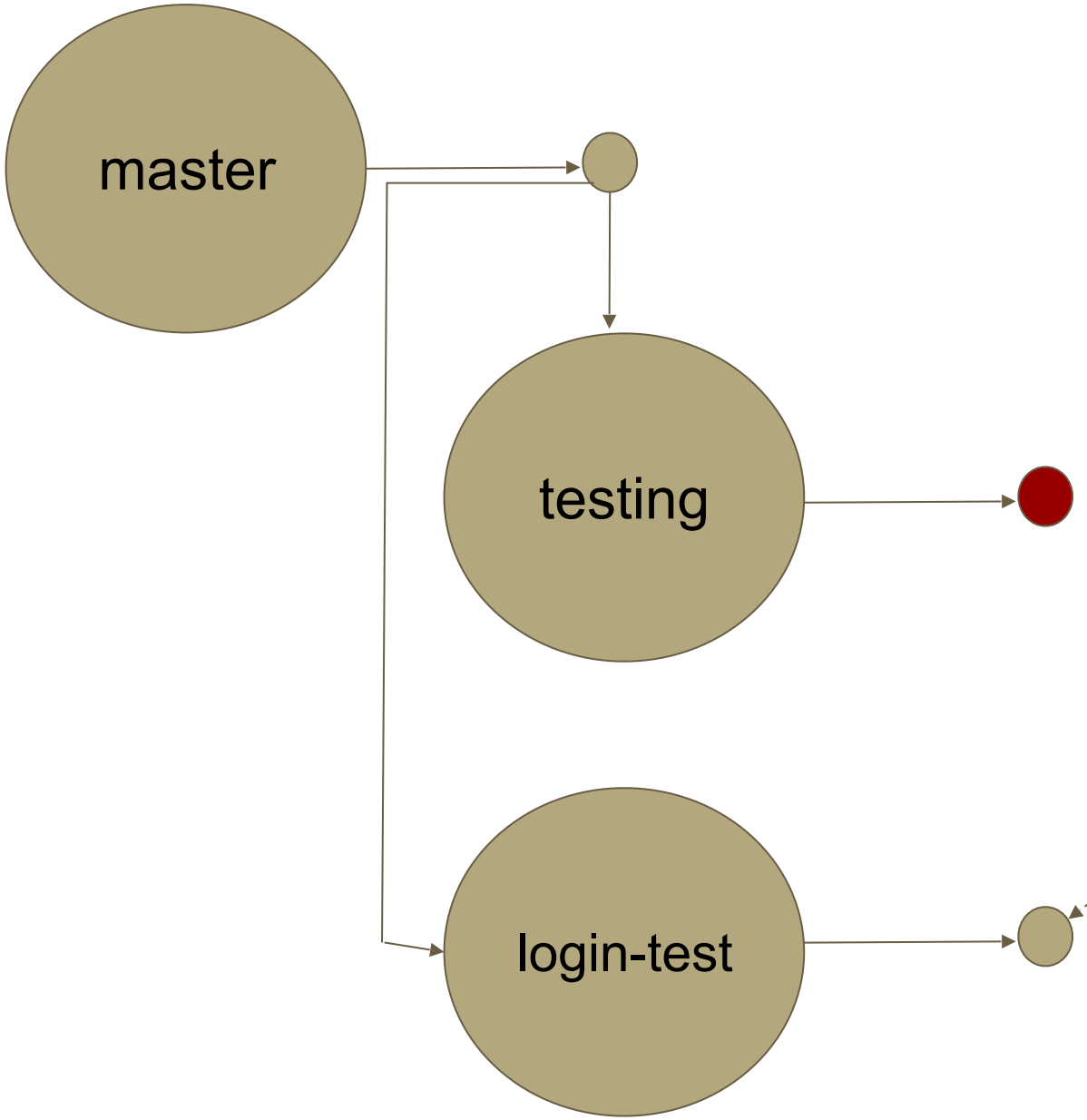
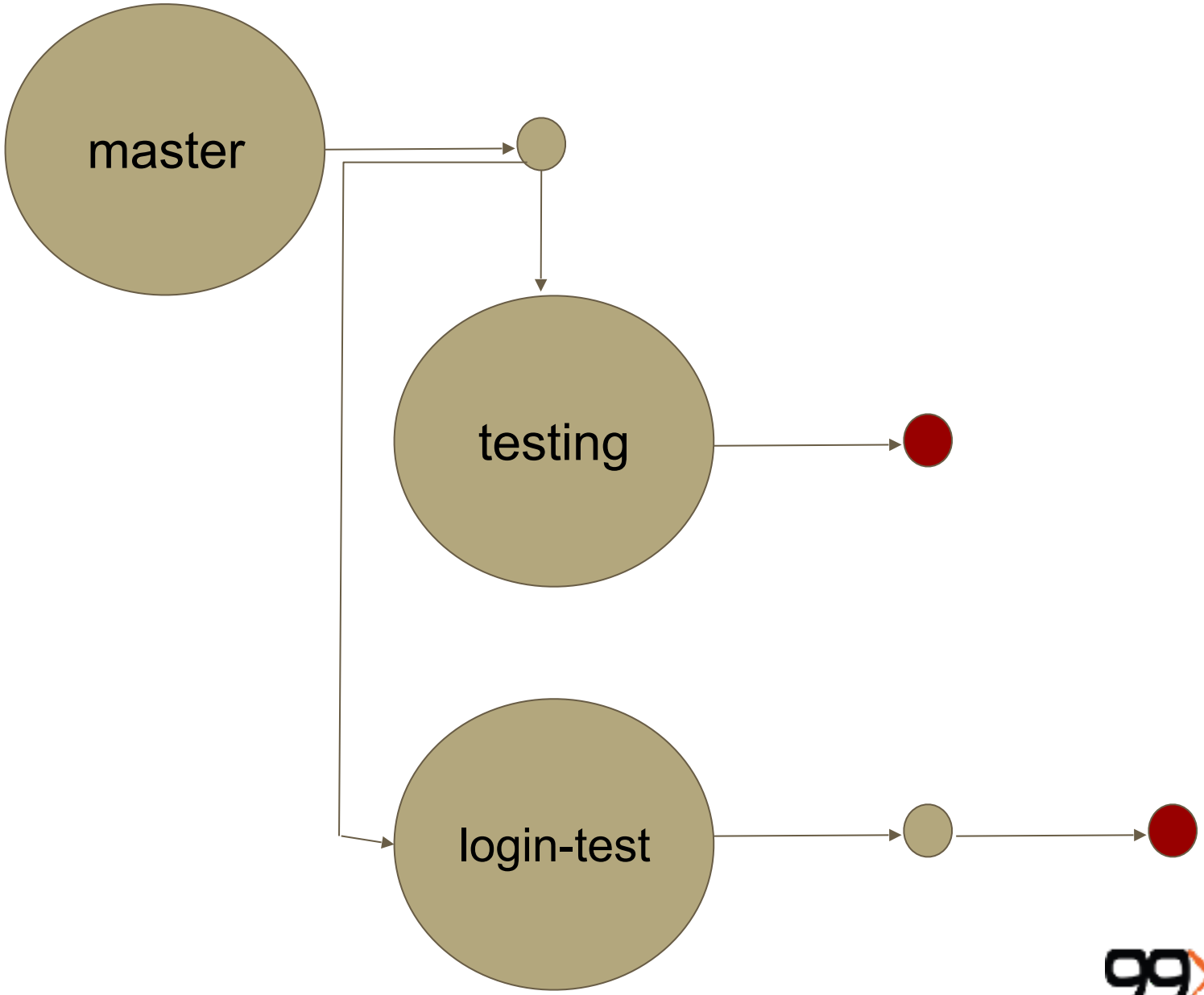
```
git checkout -b branch2

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


master
testing
login-test
git cherry-pick
HASHCODE



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Scenario 06

Cherry pick branch1 5kw32
commit to branch2

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git checkout branch2

git cherry-pick 5kw32

git stash

KEEP
CALM
AND
GIT
STASH

Demo

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git reset

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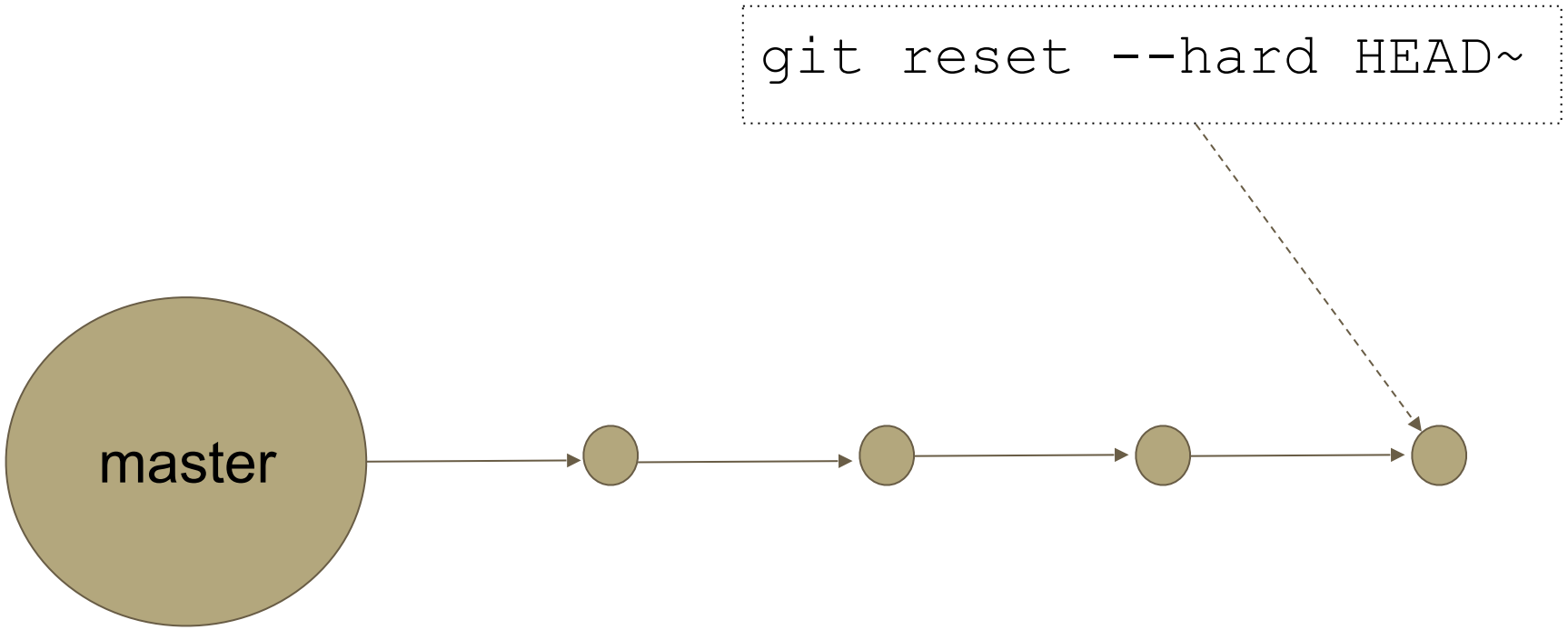
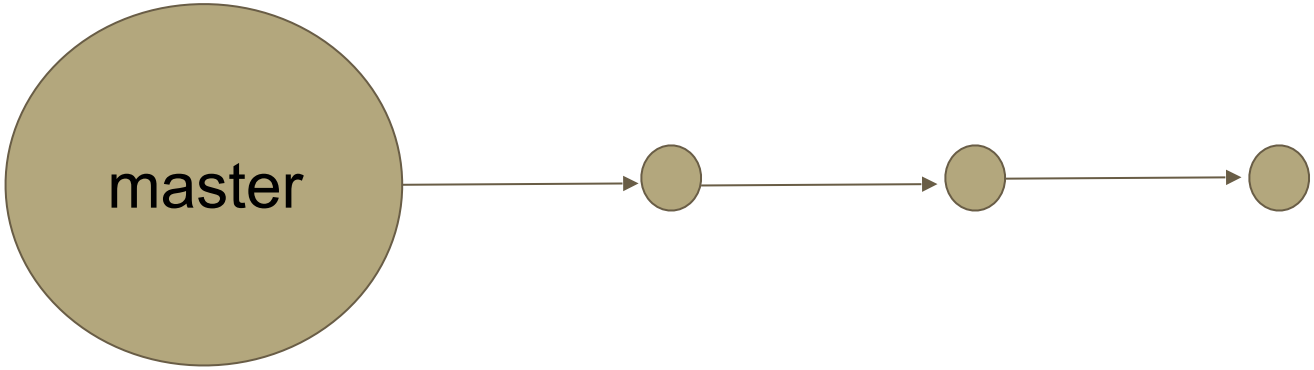
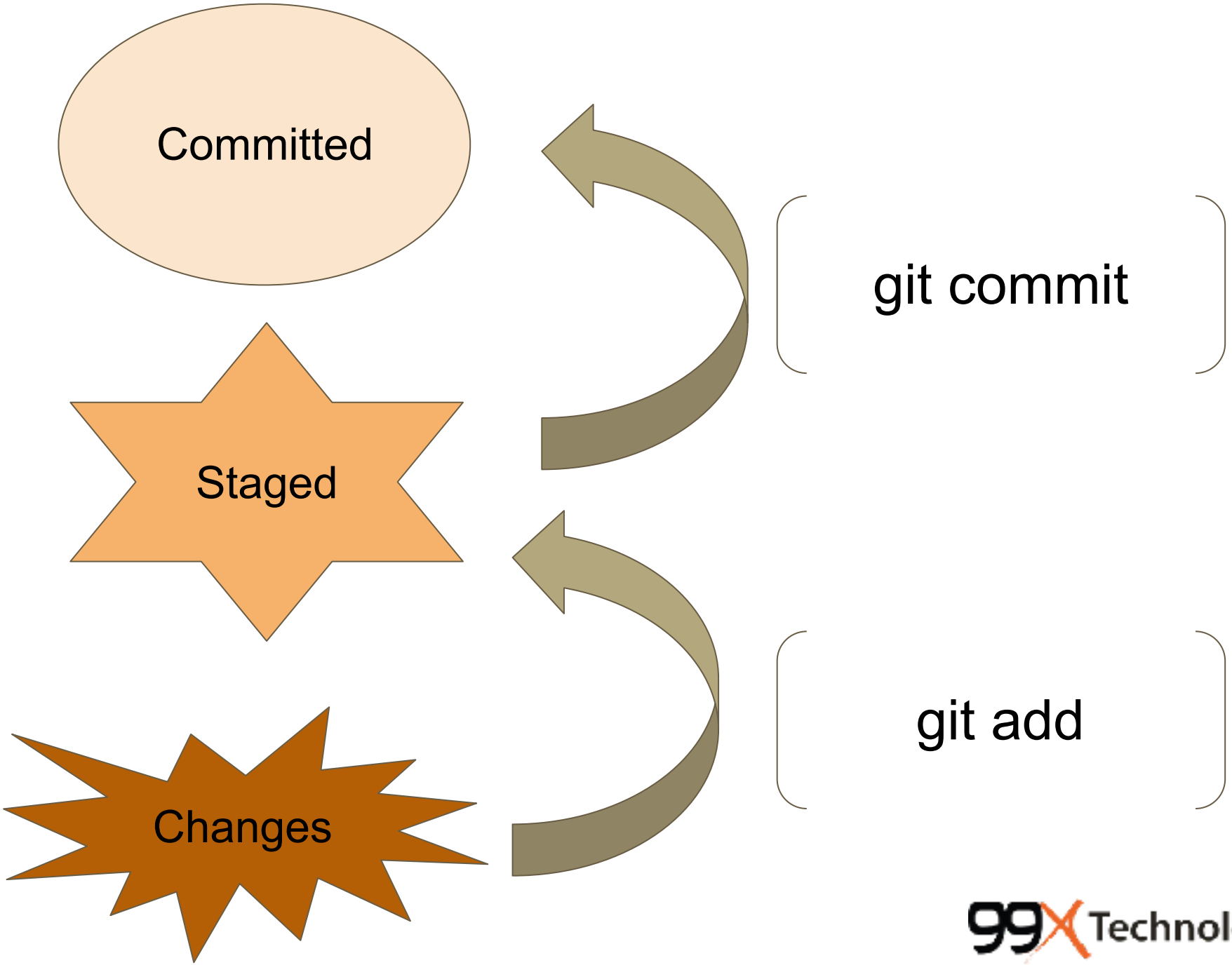
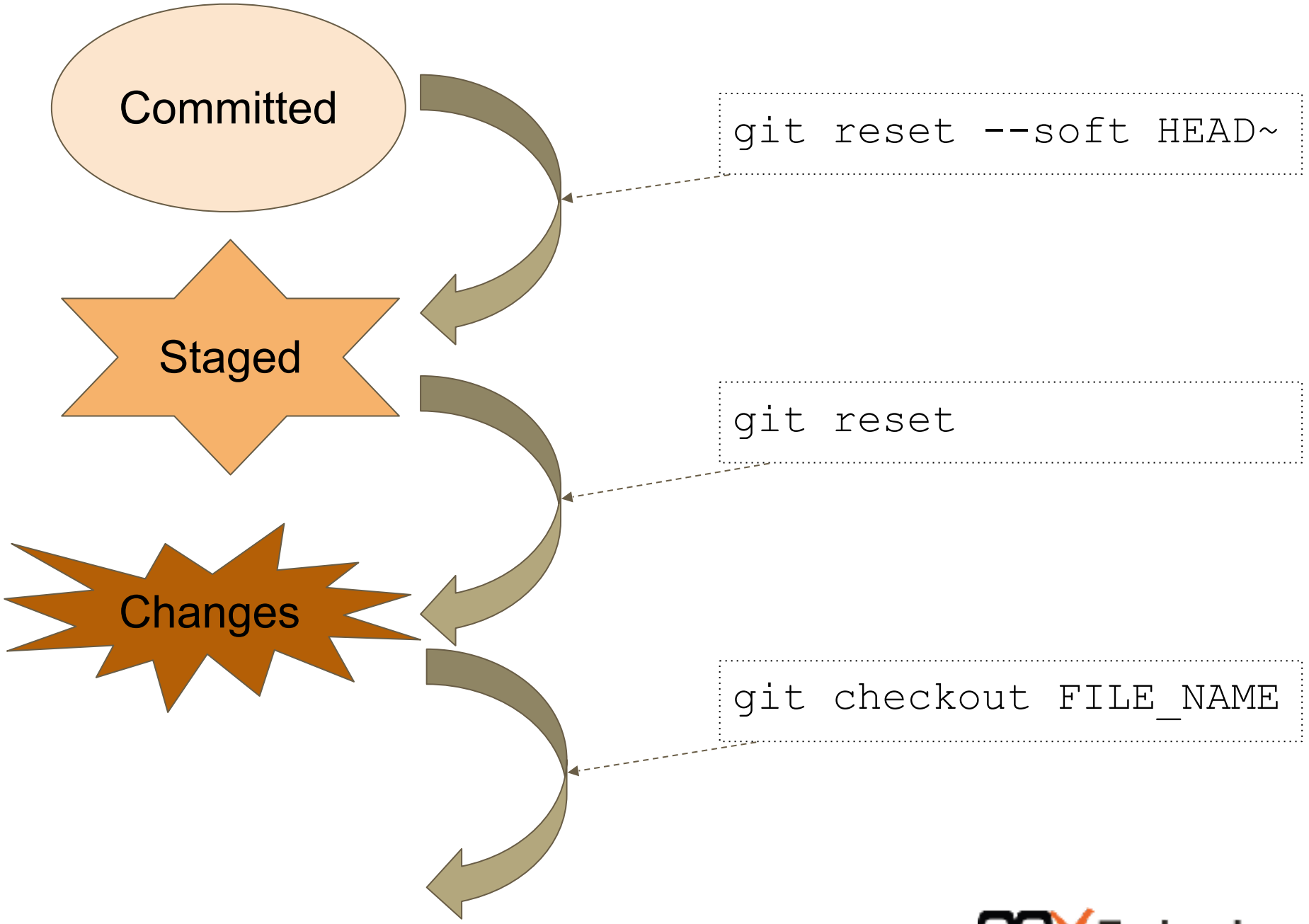

git reset --hard HEAD~
master


master


Committed
Staged
Changes
git commit
git add


Committed
Staged
Changes
git reset --soft HEAD~
git reset
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

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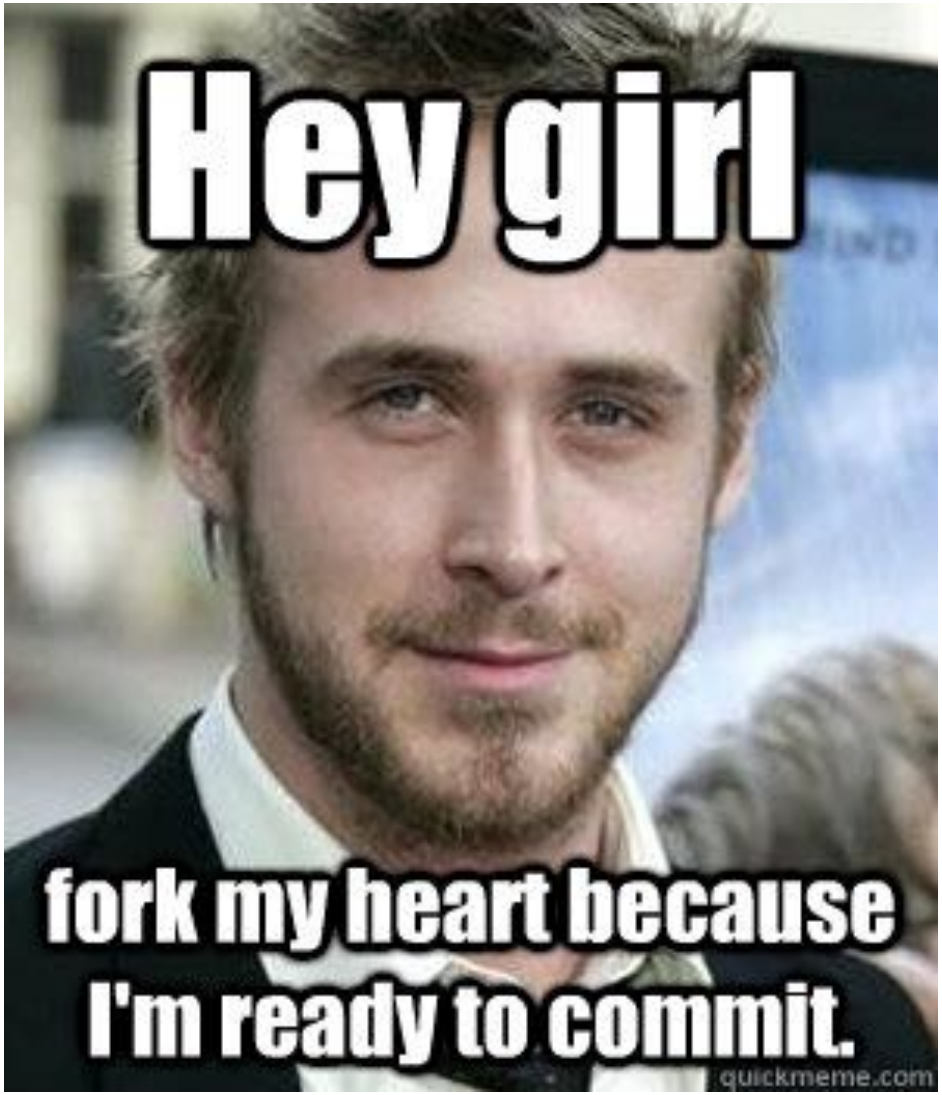
```
git add .

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



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

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KEEP CALM

PRESENTATION IS OVER

ANY QUESTIONS?

THANK YOU FOR LISTENING
TO MY PRESENTATION!!
memegenerator.net