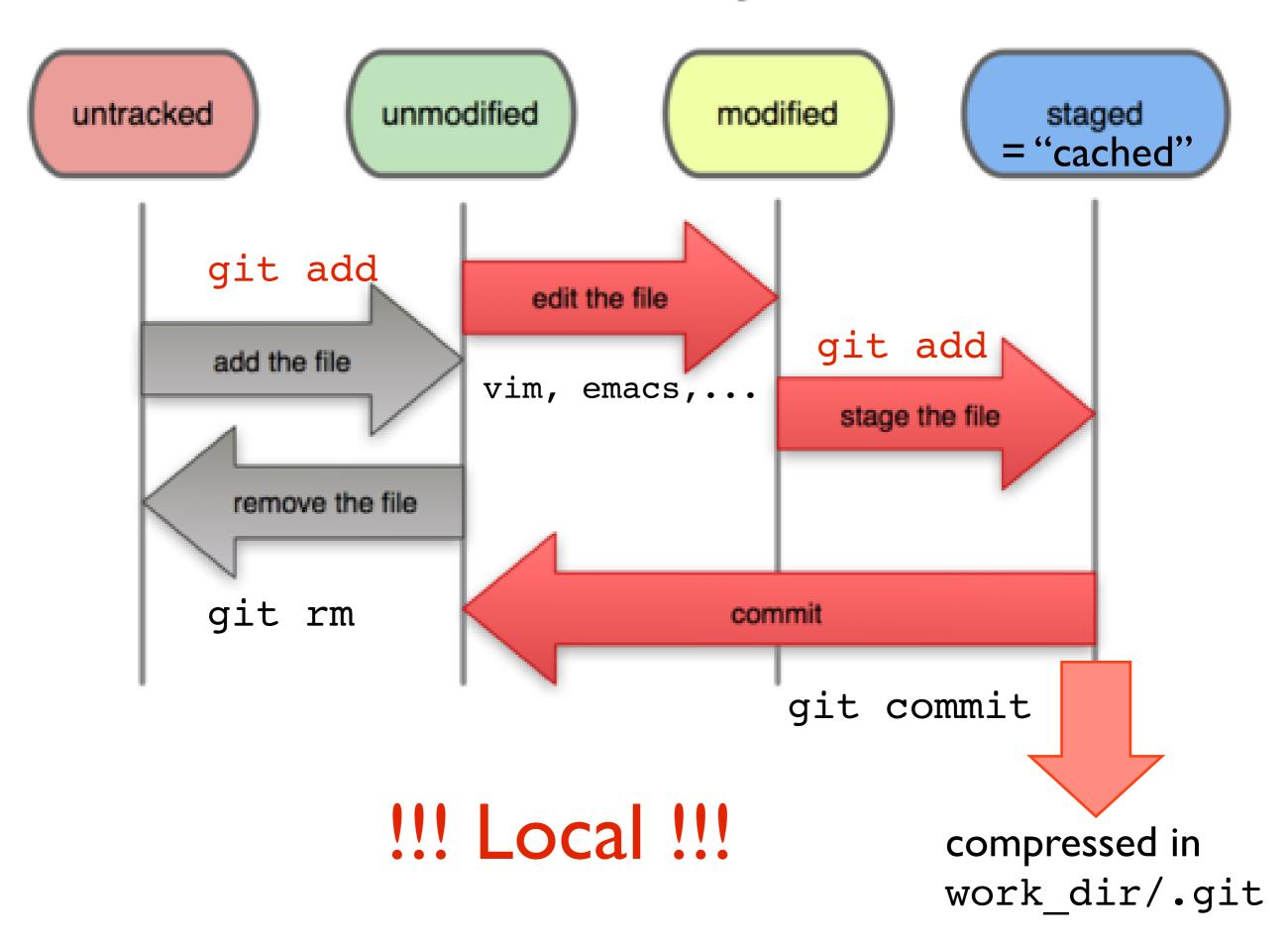
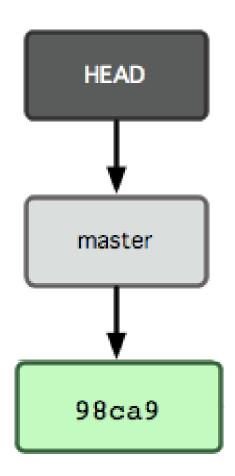
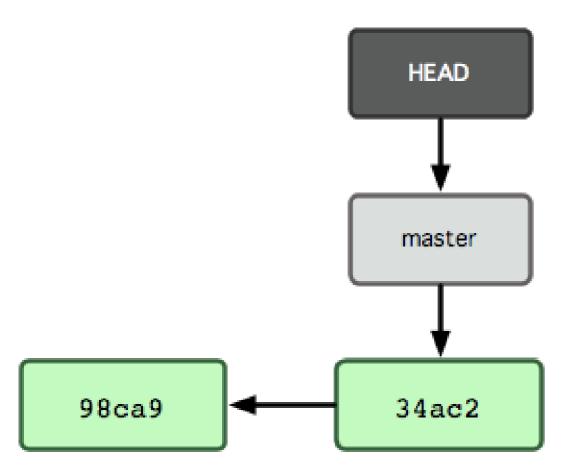
File Status Lifecycle



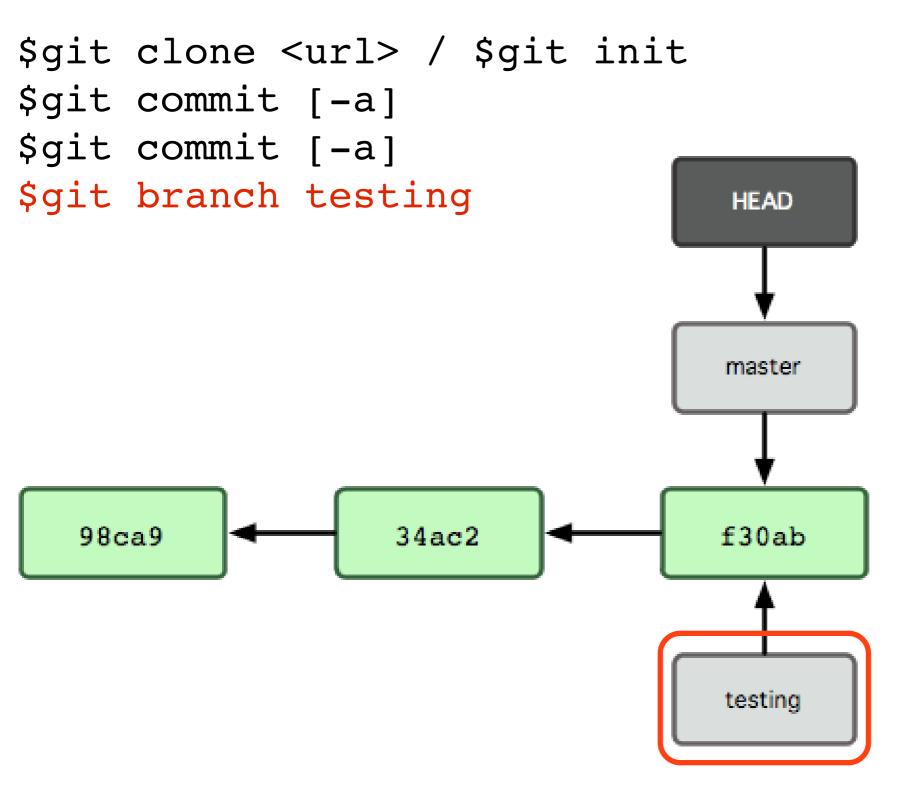
\$git clone <url> / \$git init



Exemple of development Straight arrows = pointers \$git clone <url> / \$git init
\$git commit [-a]

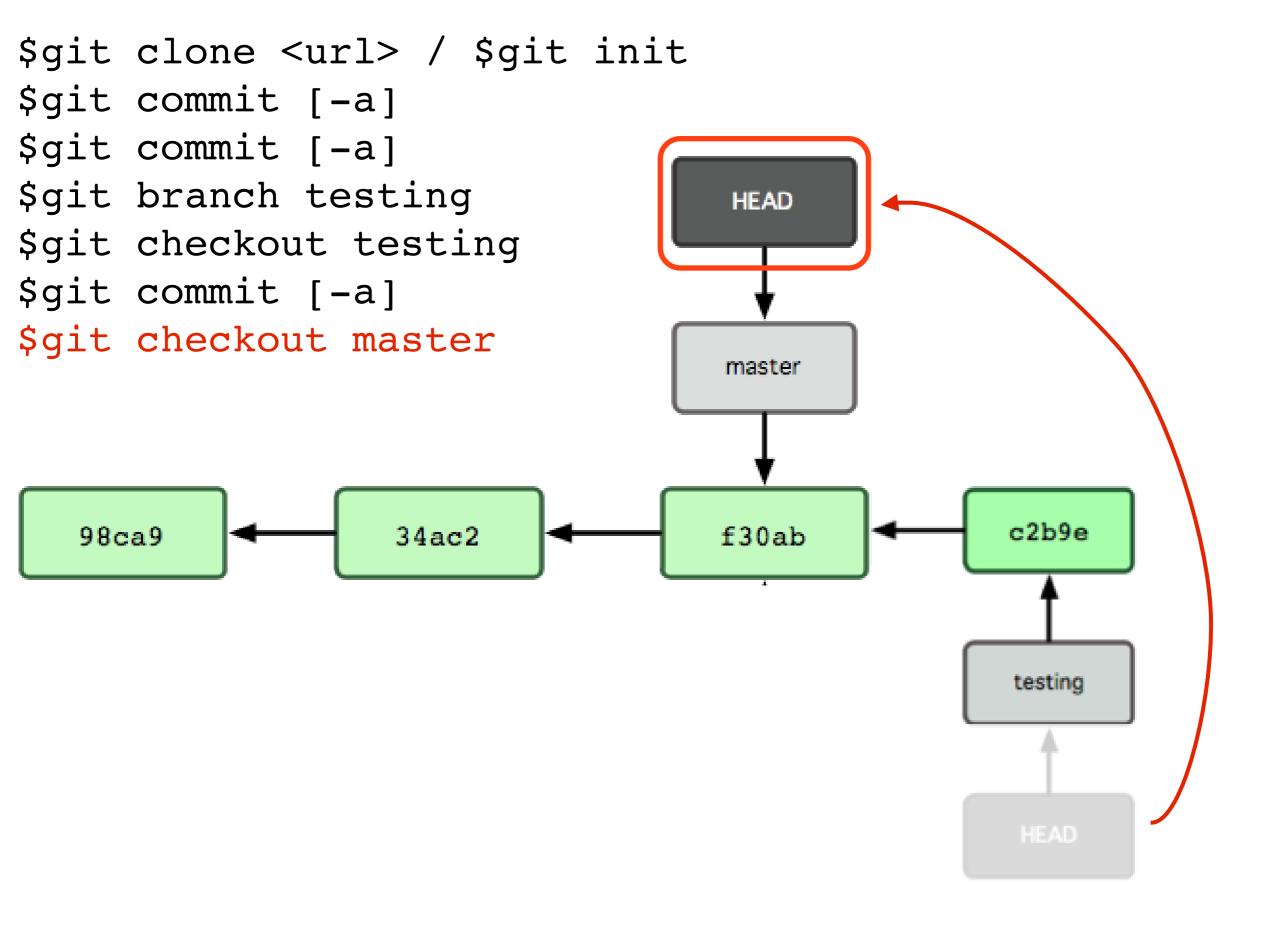


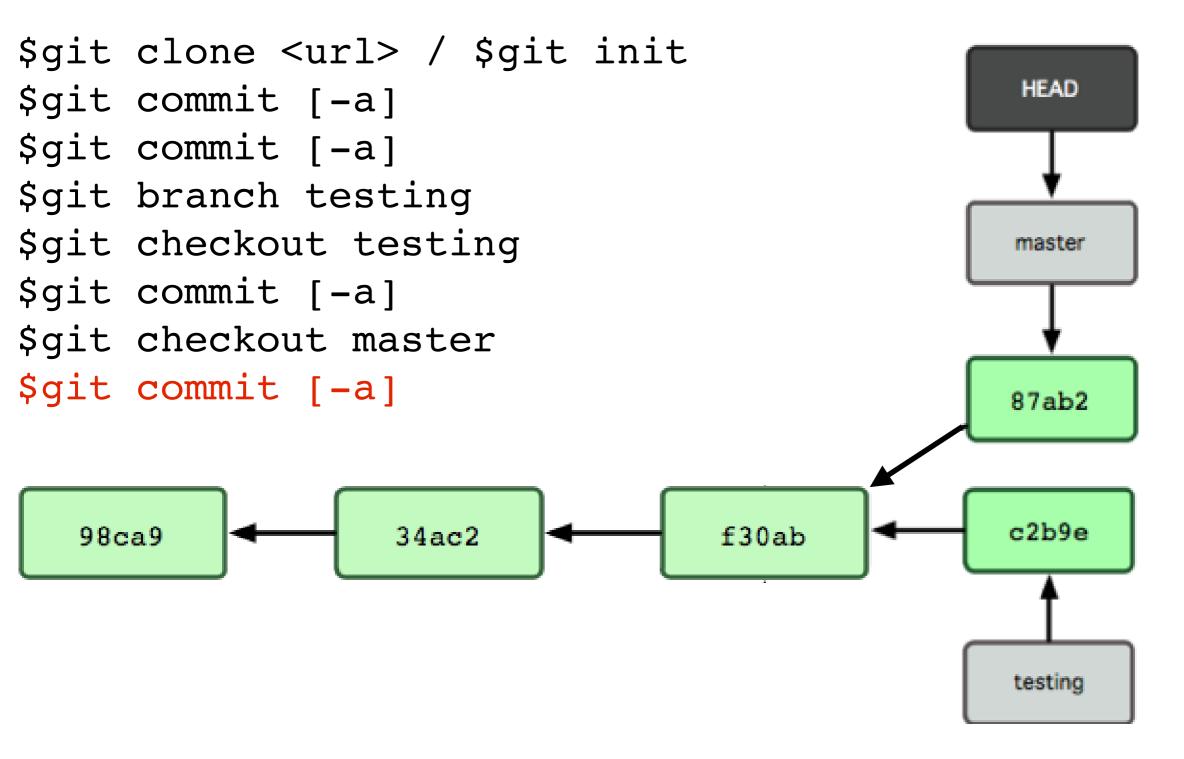
```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
                                  HEAD
                                  master
                  34ac2
   98ca9
                                  f30ab
```



```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
                                  master
  98ca9
                  34ac2
                                  f30ab
                                  testing
                                  HEAD
```

```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
                                  master
                                                c2b9e
                  34ac2
                                  f30ab
   98ca9
                                                testing
                                                HEAD
```





```
$qit clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
                                               master
$git commit [-a]
$git checkout master
$git commit [-a]
                                               87ab2
                                               c2b9e
                  34ac2
                                 f30ab
  98ca9
                                               testing
                  HEAD
                          $qit checkout 34ac2
```

Detached HEAD! ok for experimenting but it is not tidy...

```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
                                                 master
$git commit [-a]
$git checkout master
$git commit [-a]
                                                 87ab2
                                                 c2b9e
                  34ac2
                                  f30ab
   98ca9
                   testing 2
                                                 testing
                   HEAD
```

\$git checkout -b testing2 34ac2

```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
                                                master
$git commit [-a]
$git checkout master
$git commit [-a]
                                                87ab2
                                                c2b9e
                  34ac2
                                  f30ab
   98ca9
                   276fg
                                                testing
                    testing 2
                          $git checkout -b testing2 34ac2
                    HEAD
                          $git commit [-a]
```

\$git reflog 276fg2b HEAD@{0}: commit: new file: bid3 34ac21a HEAD@{1}: checkout: moving from master to testing2 87ab20a HEAD@{2}: commit: new file: bid2 f30abf1 HEAD@{3}: checkout: moving from testing to master c2b9e4f HEAD@{4}: commit: new file: bid2 master f30abf1 HEAD@{5}: checkout: moving from master to testing f30abf1 HEAD@{6}: commit: modified: bid 34ac21a HEAD@{7}: commit: modified: bid 98ca920 HEAD@{8}: commit (initial): new file: bid 87ab2 c2b9e 98ca9 34ac2 f30ab 276fg testing testing 2 \$git checkout -b testing2 34ac2 HEAD \$git commit [-a]

\$git reflog 276fg2b HEAD@{0}: commit: new file: bid3 34ac21a HEAD@{1}: checkout: moving from master to testing2 87ab20a HEAD@{2}: commit: new file: bid2 f30abf1 HEAD@{3}: checkout: moving from testing to master c2b9e4f HEAD@{4}: commit: new file: bid2 master f30abf1 HEAD@{5}: checkout: moving from master to testing f30abf1 HEAD@{6}: commit: modified: bid 34ac21a HEAD@{7}: commit: modified: bid 98ca920 HEAD@{8}: commit (initial): new file: bid \$git reset HEAD@{6} 87ab2 c2b9e 98ca9 34ac2 f30ab 276fg testing 2 testing testing 2 HEAD \$git checkout -b testing2 34ac2 \$git commit [-a]

```
$git reflog
276fg2b HEAD@{0}: commit: new file: bid3
34ac21a HEAD@{1}: checkout: moving from master to testing2
87ab20a HEAD@{2}: commit: new file: bid2
f30abf1 HEAD@{3}: checkout: moving from testing to master
c2b9e4f HEAD@{4}: commit: new file: bid2
                                                           master
f30abf1 HEAD@{5}: checkout: moving from master to testing
f30abf1 HEAD@{6}: commit: modified: bid
34ac21a HEAD@{7}: commit: modified: bid
98ca920 HEAD@{8}: commit (initial): new file: bid
$git reset [<-->] HEAD@{6}
                                                          87ab2
                                                          c2b9e
   98ca9
                      34ac2
                                         f30ab
                       276fg
                                         testing 2
                                                          testing
Jargon:
276fg is "unreachable"
        can be removed
                                          HEAD
        with git gc when it
        expires out from the $git checkout -b testing2 34ac2
                                $git commit [-a]
        reflog
```