

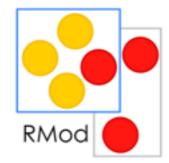


## Do you really understand Git?

本当に分かる?

by Guille Polito @GuillePolito









#### Tuesday 16:30



#### Friday 10:00

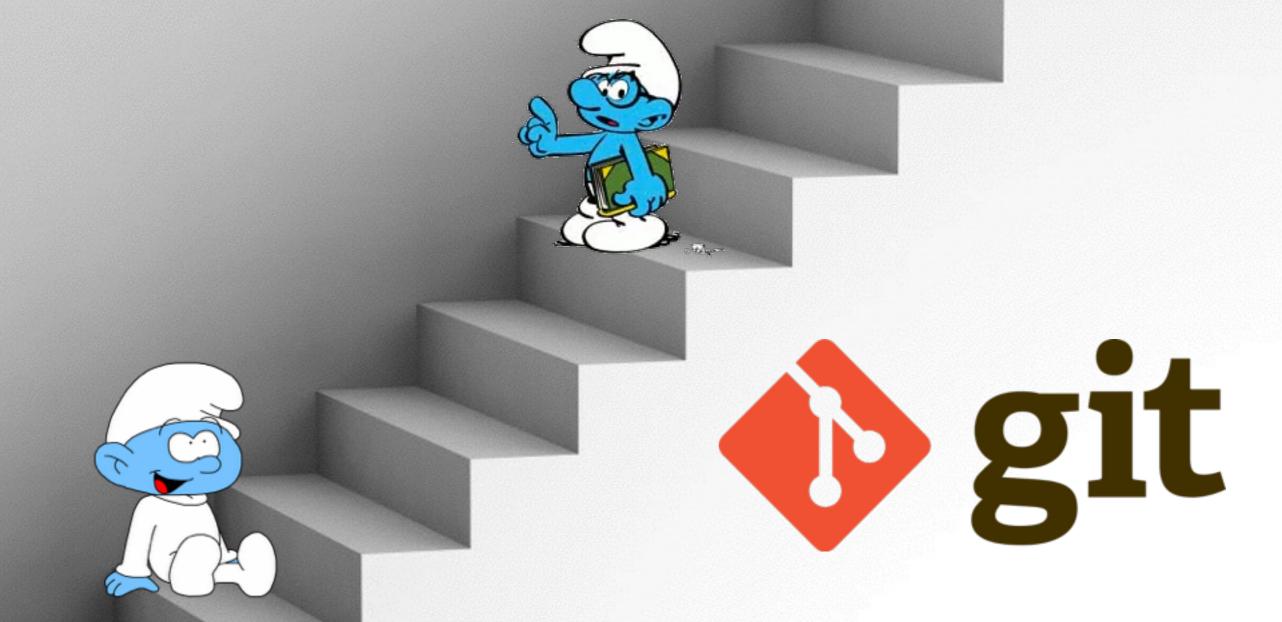


- Visibility
- Manage more than only code
- Lower entry barrier into the community
- Lots of existing tools
- Good branch support, good diff

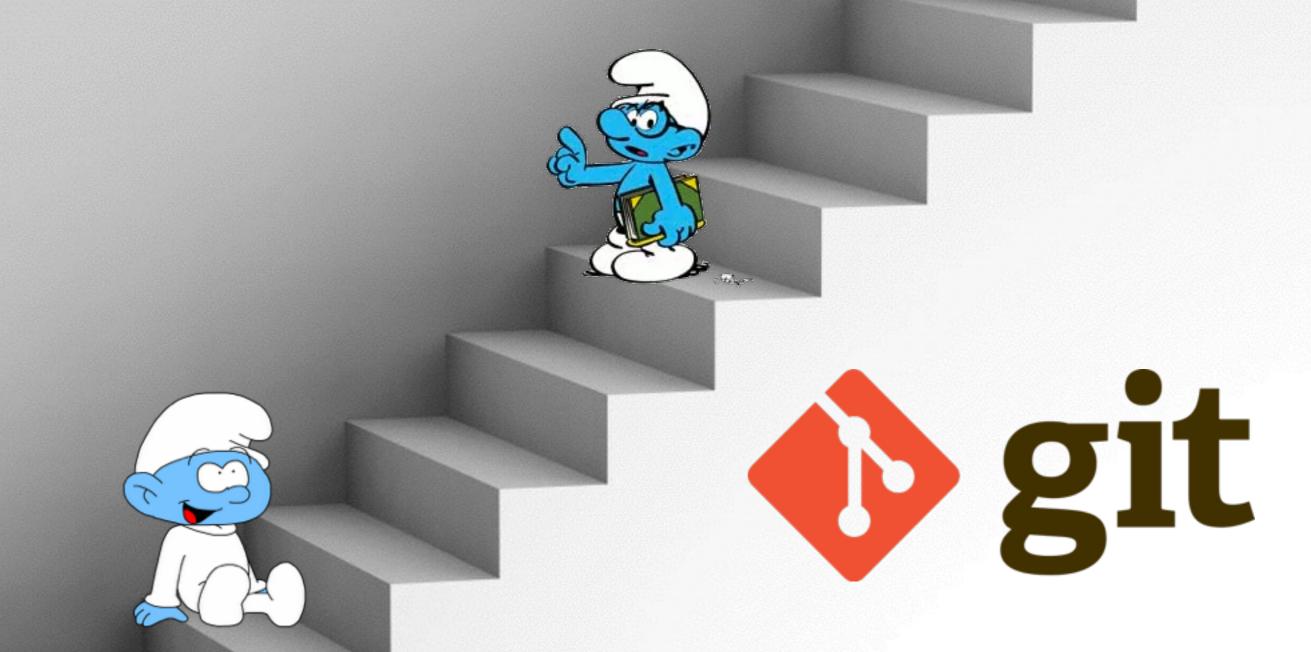


i git









How do you \*\*clean\*\* your working copy?





How do you \*\*clean\*\* your working copy?

\$ git reset

This will reset your index



How do you \*\*clean\*\* your working copy?

\$ git reset --hard

Well, yes, but not quite. This will reset your working copy. But not remove untracked files.



How do you \*\*clean\*\* your working copy?

\$ git reset --hard
\$ git clean -fd





• New terminology:

index, HEAD, pull, push, fetch

- False friends: merge, commit
- Command-line oriented
- Documentation is sometimes ambiguous, sometimes incomplete



- Multiple workflows are a two-edged machete There is no One, single ring to rule them all
- People mix workflows, philosophy and technical solutions (try reading some blogs...)
- Graphical tools are too general or too specific



Just makes it harder

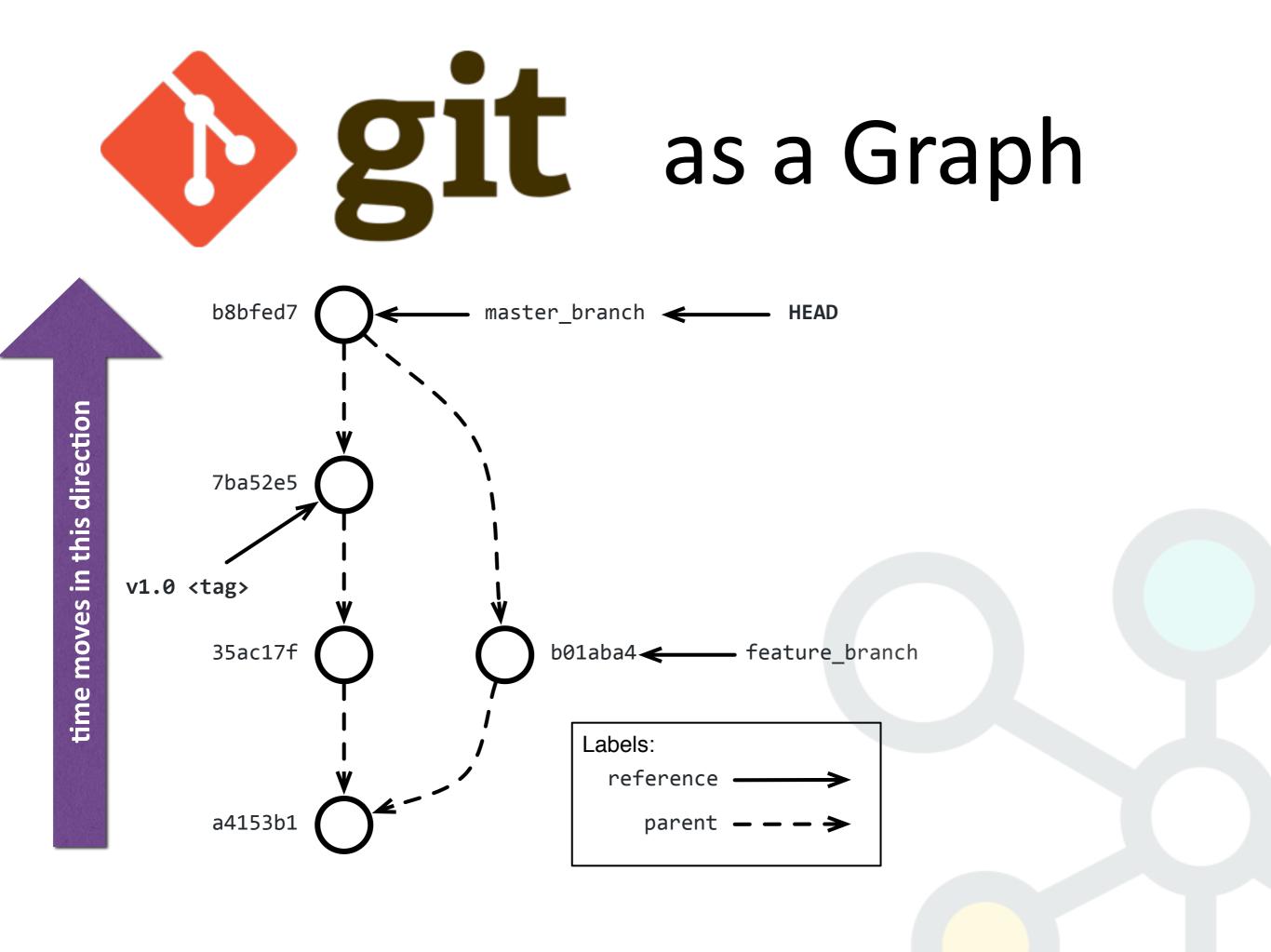
- Image-based persistence
- Files vs packages
- Monticello adds more false friends!

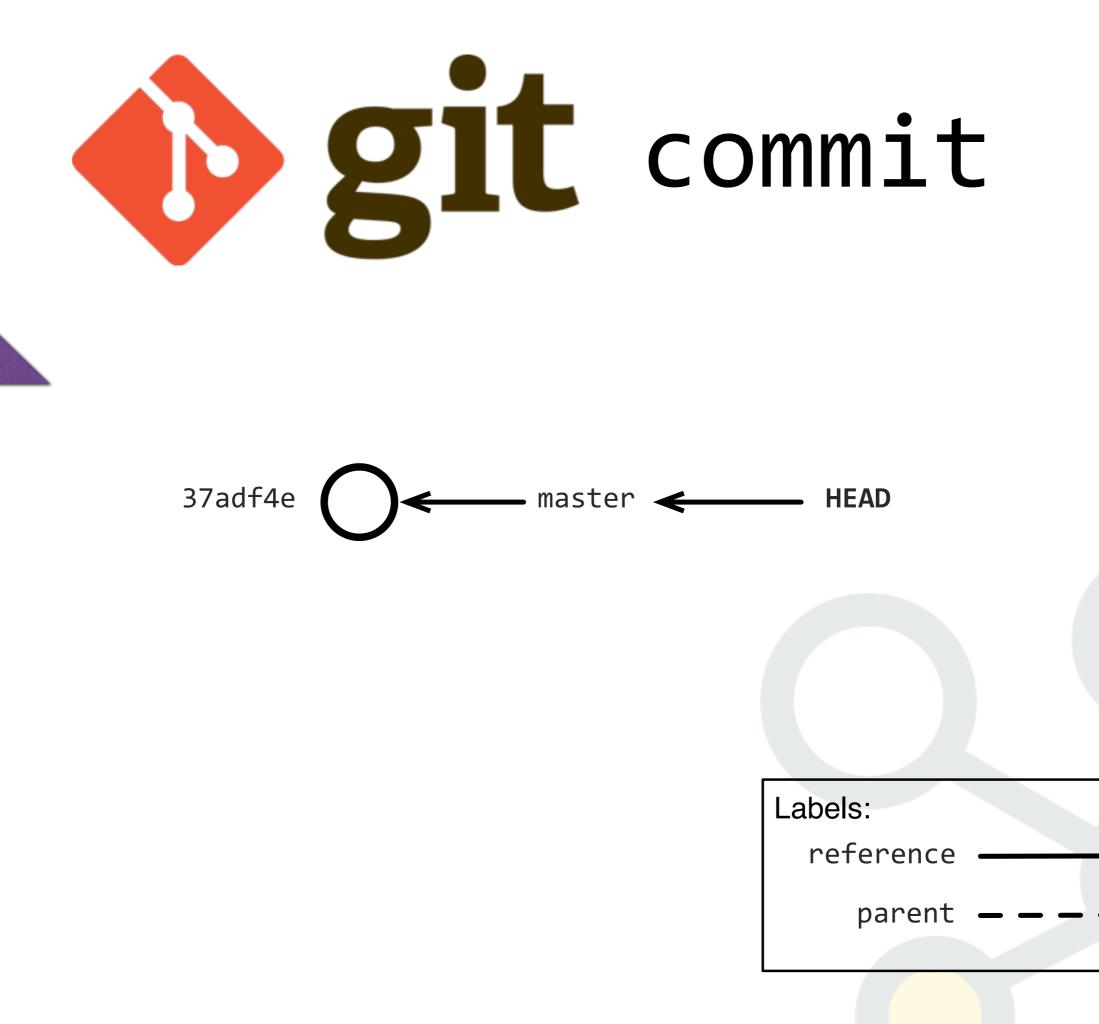


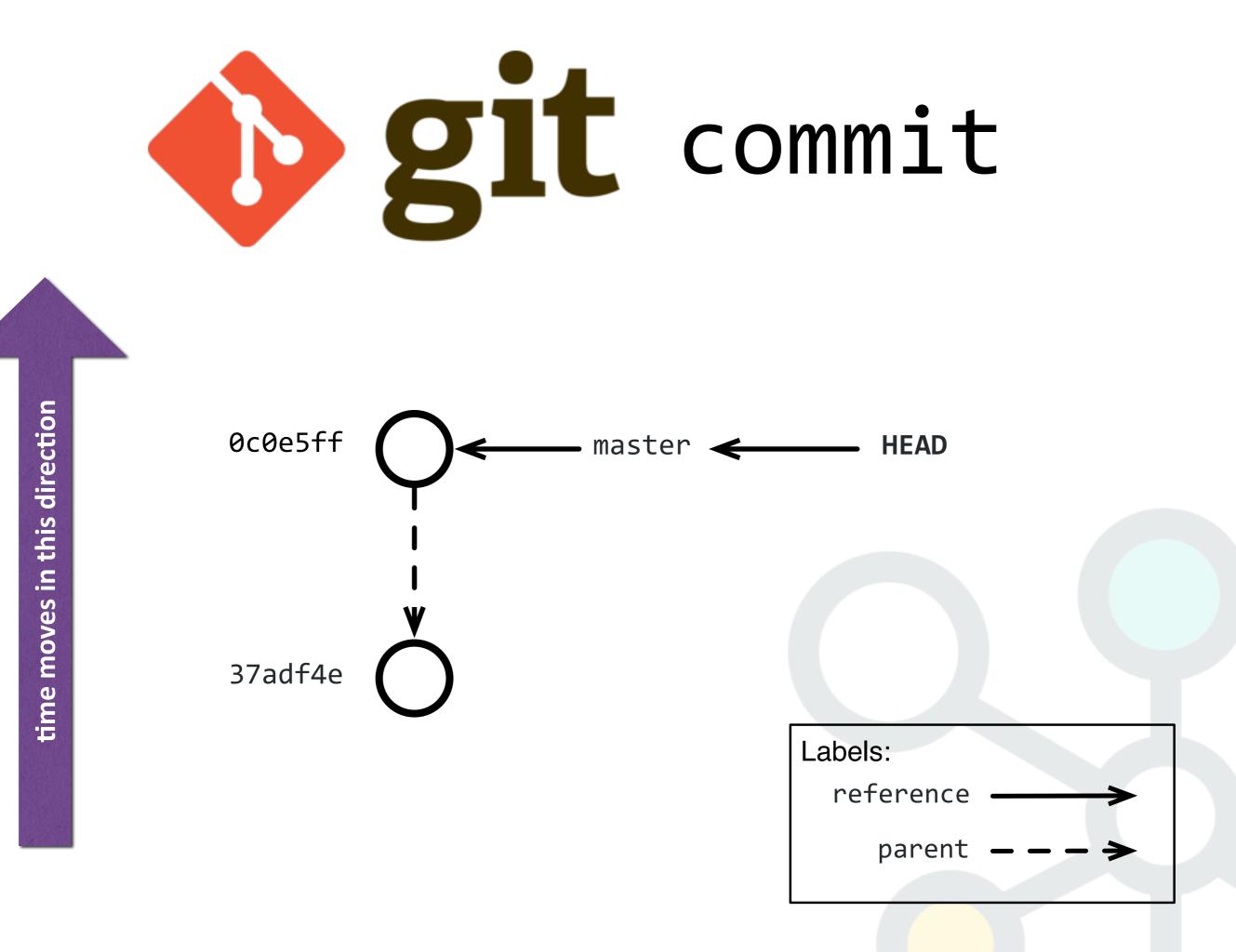
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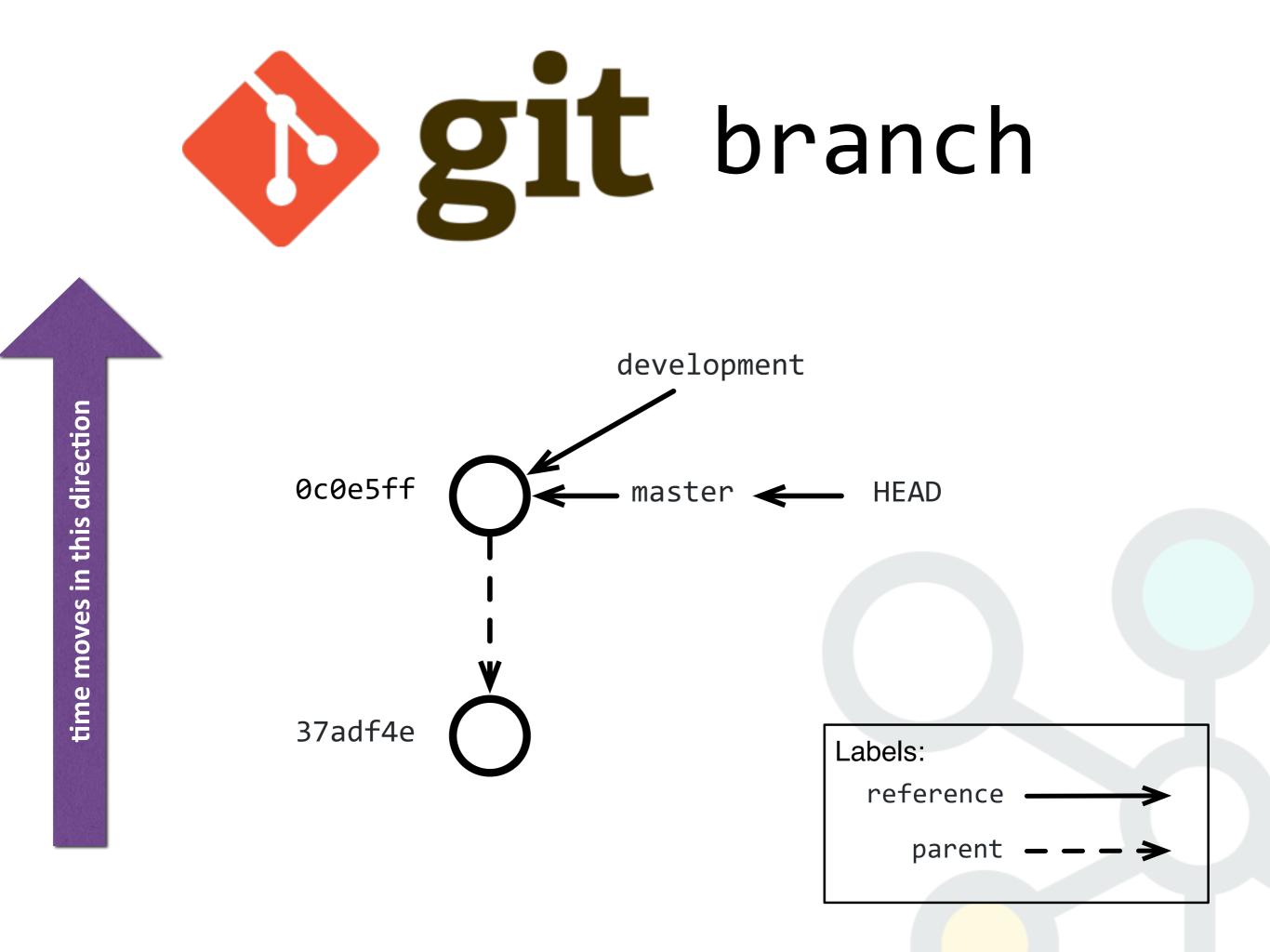


- 1. It's a graph!
- 2. It's a two-stage database!



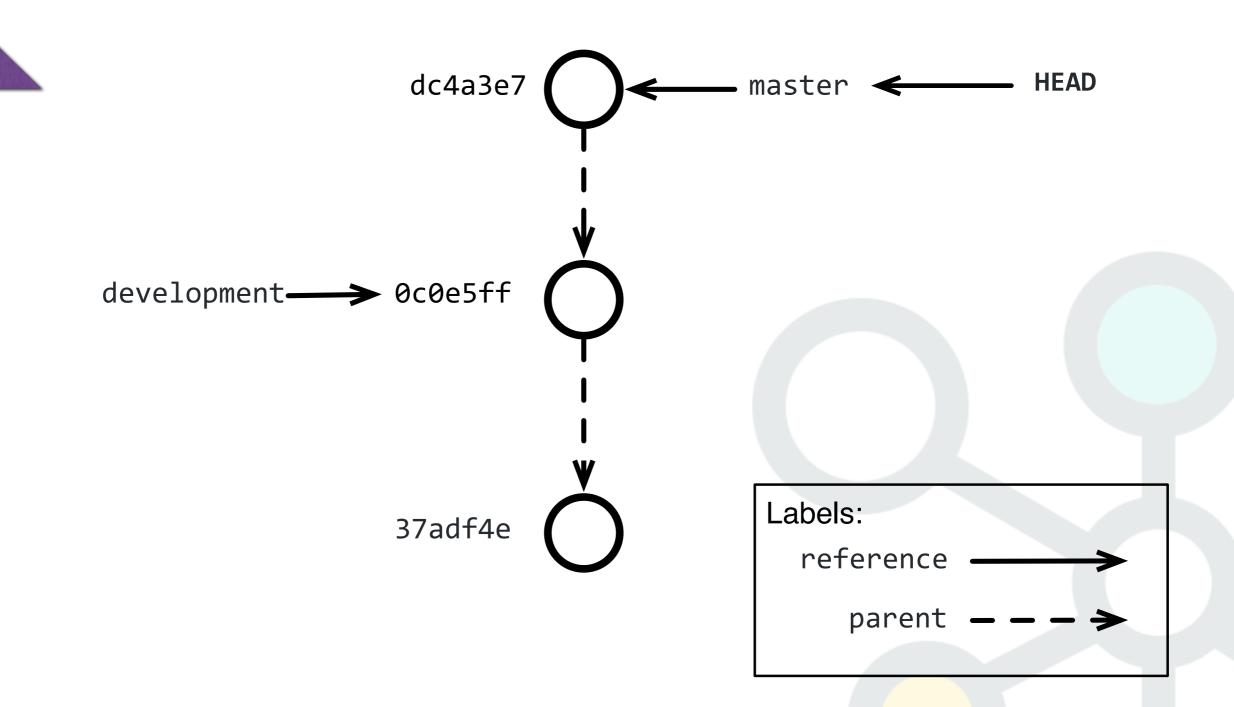




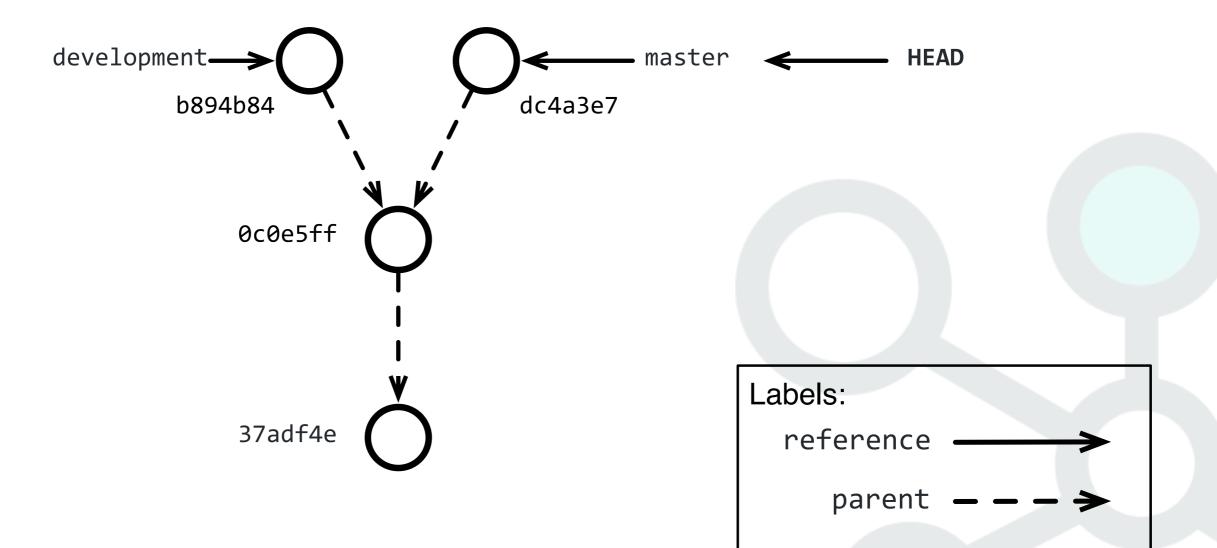


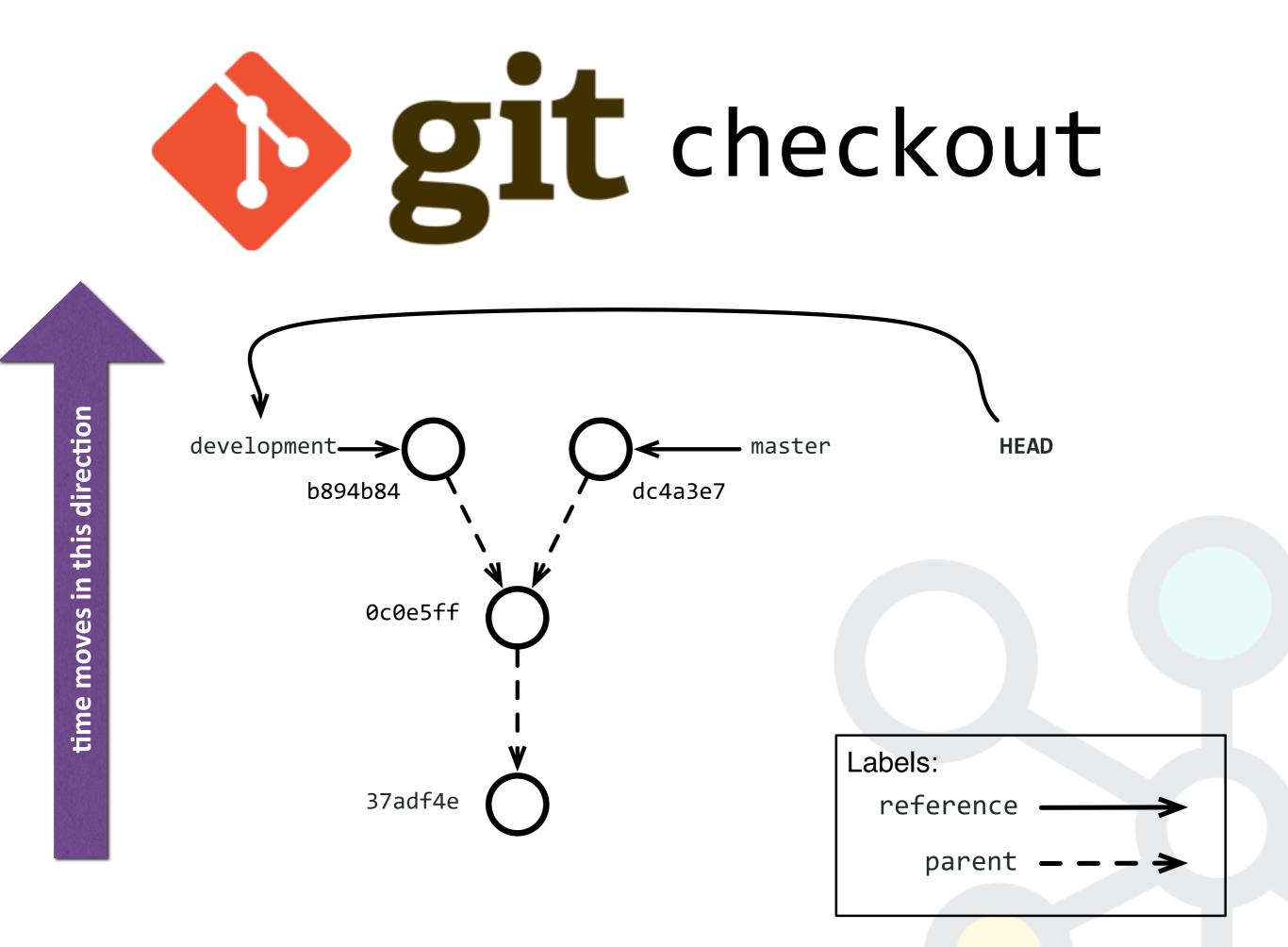


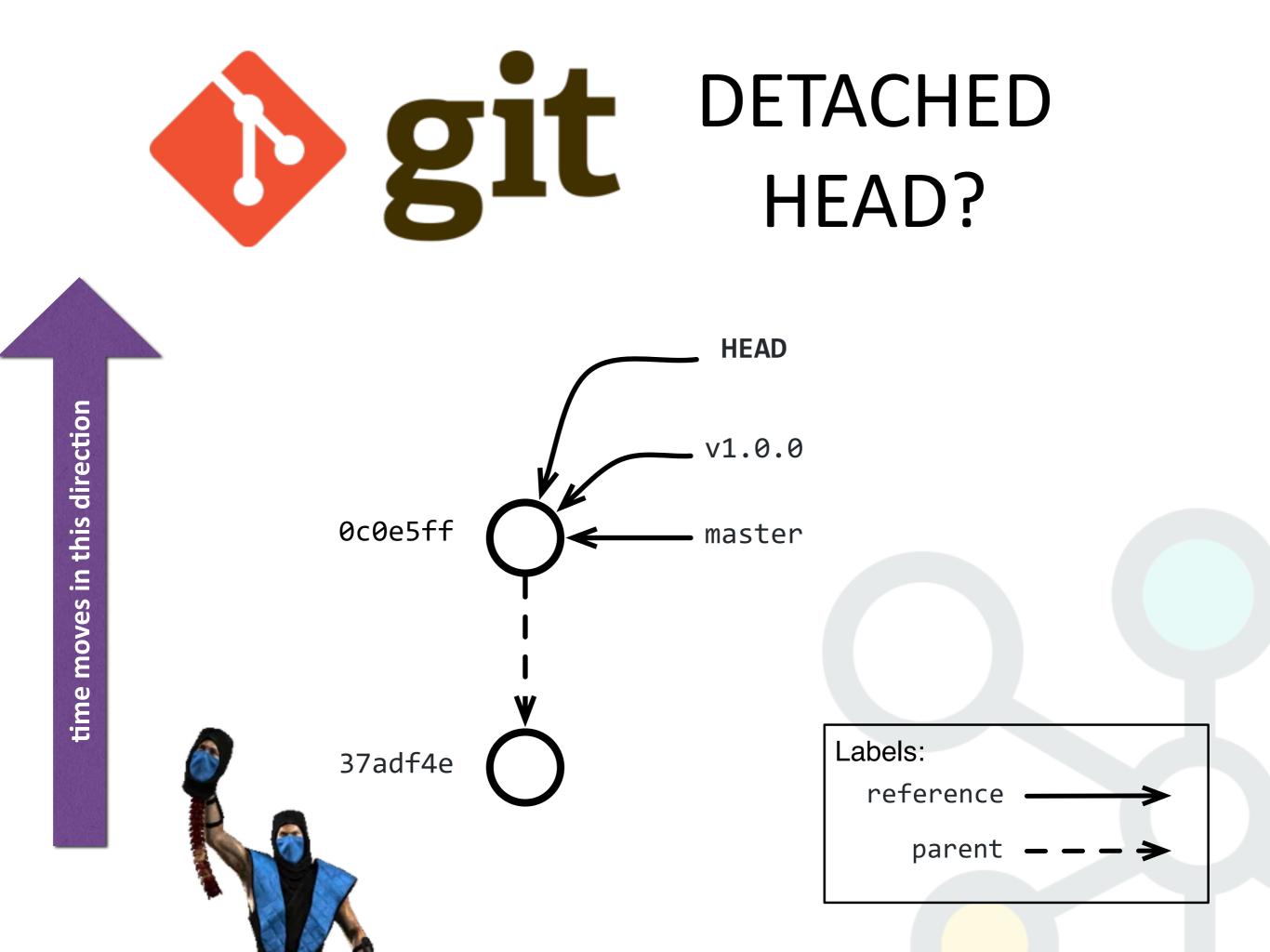


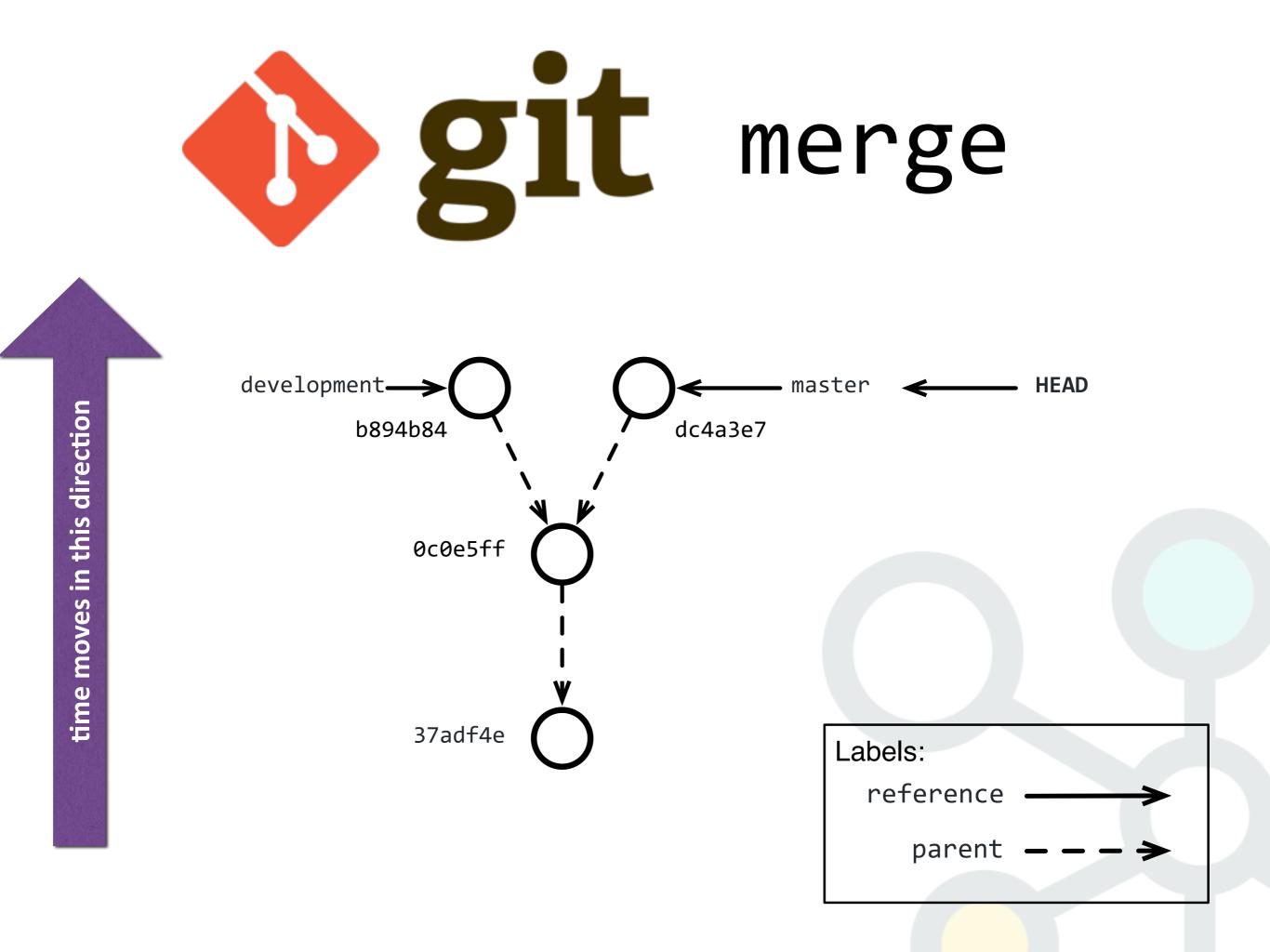


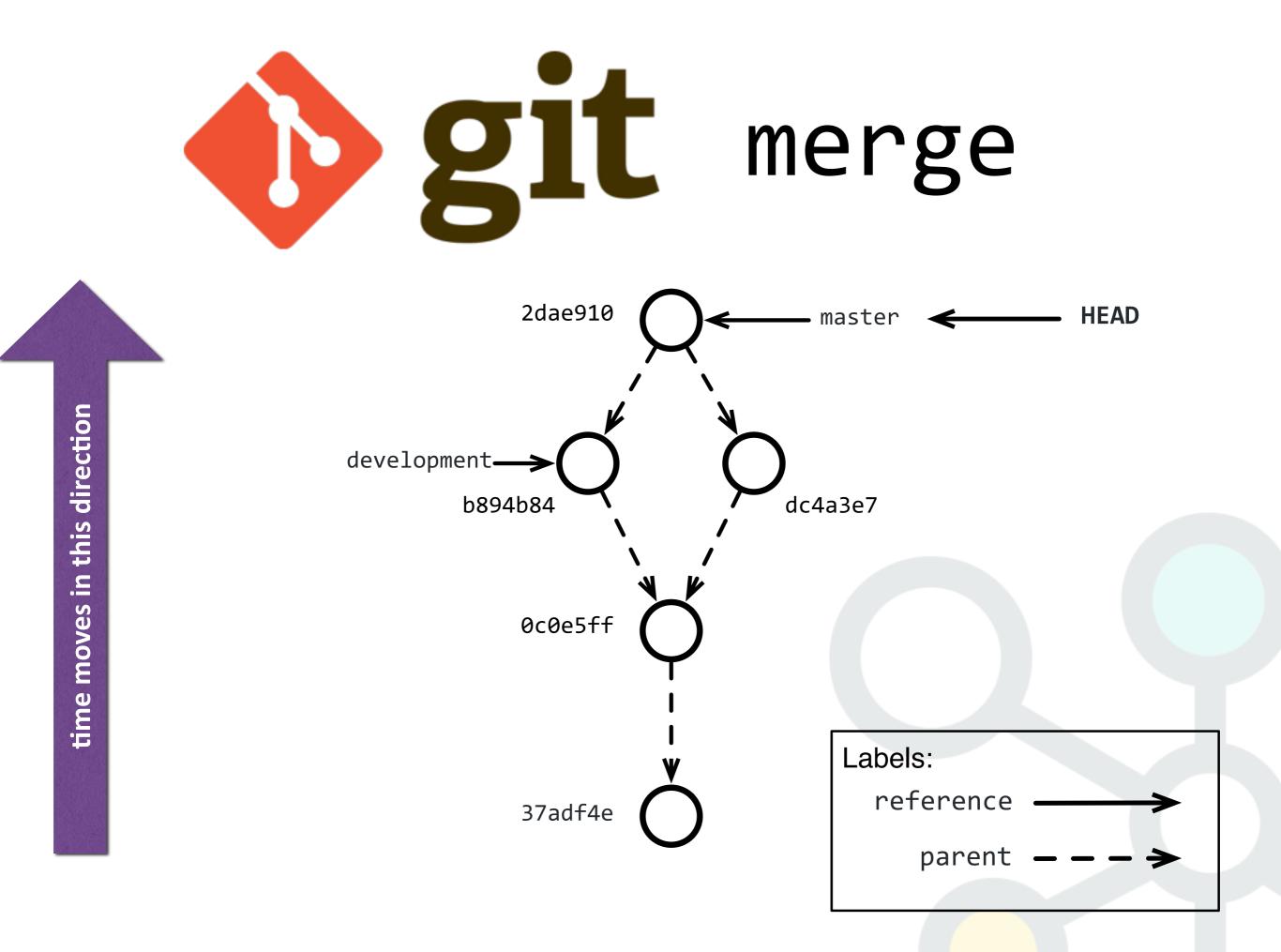


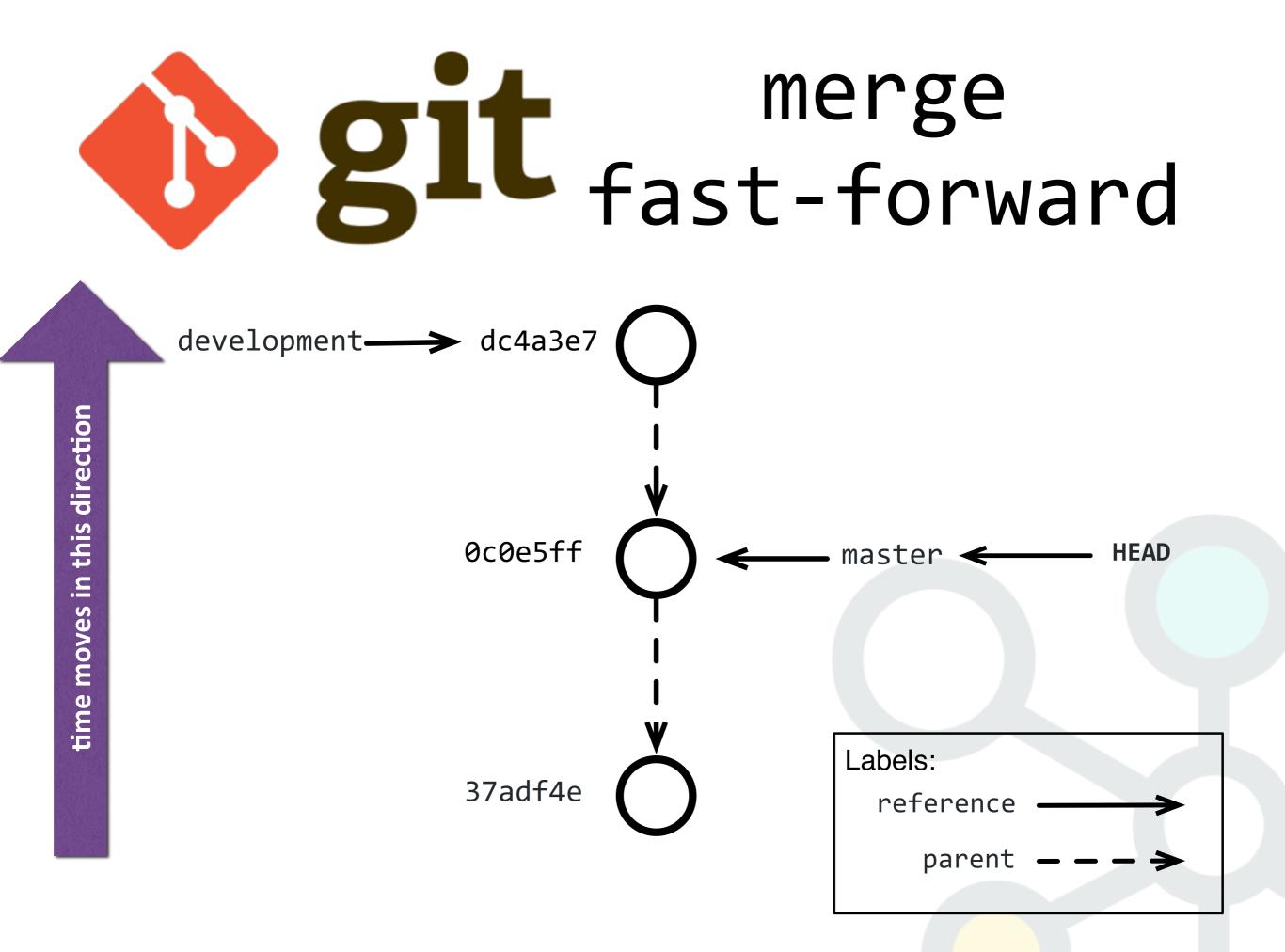


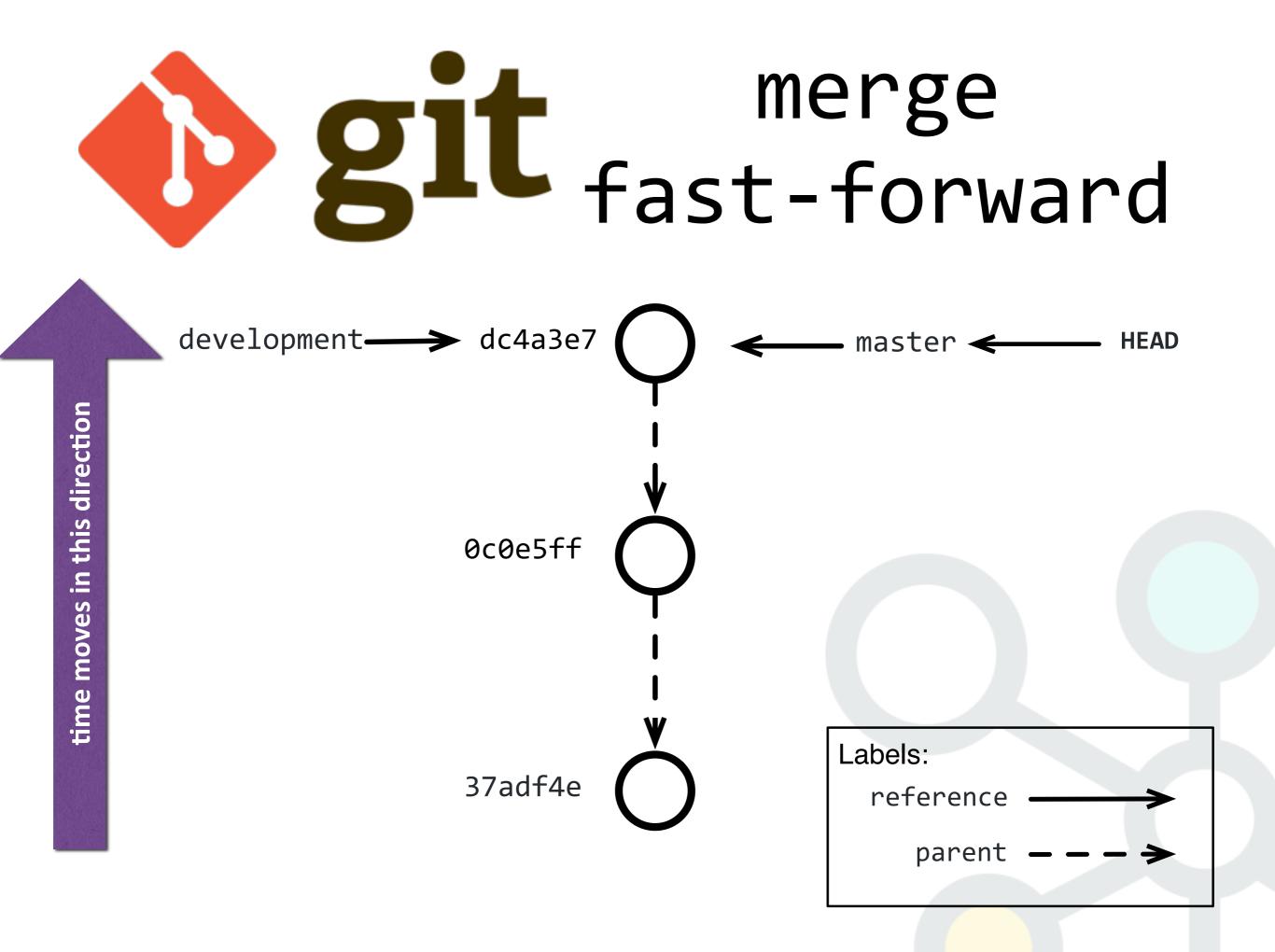


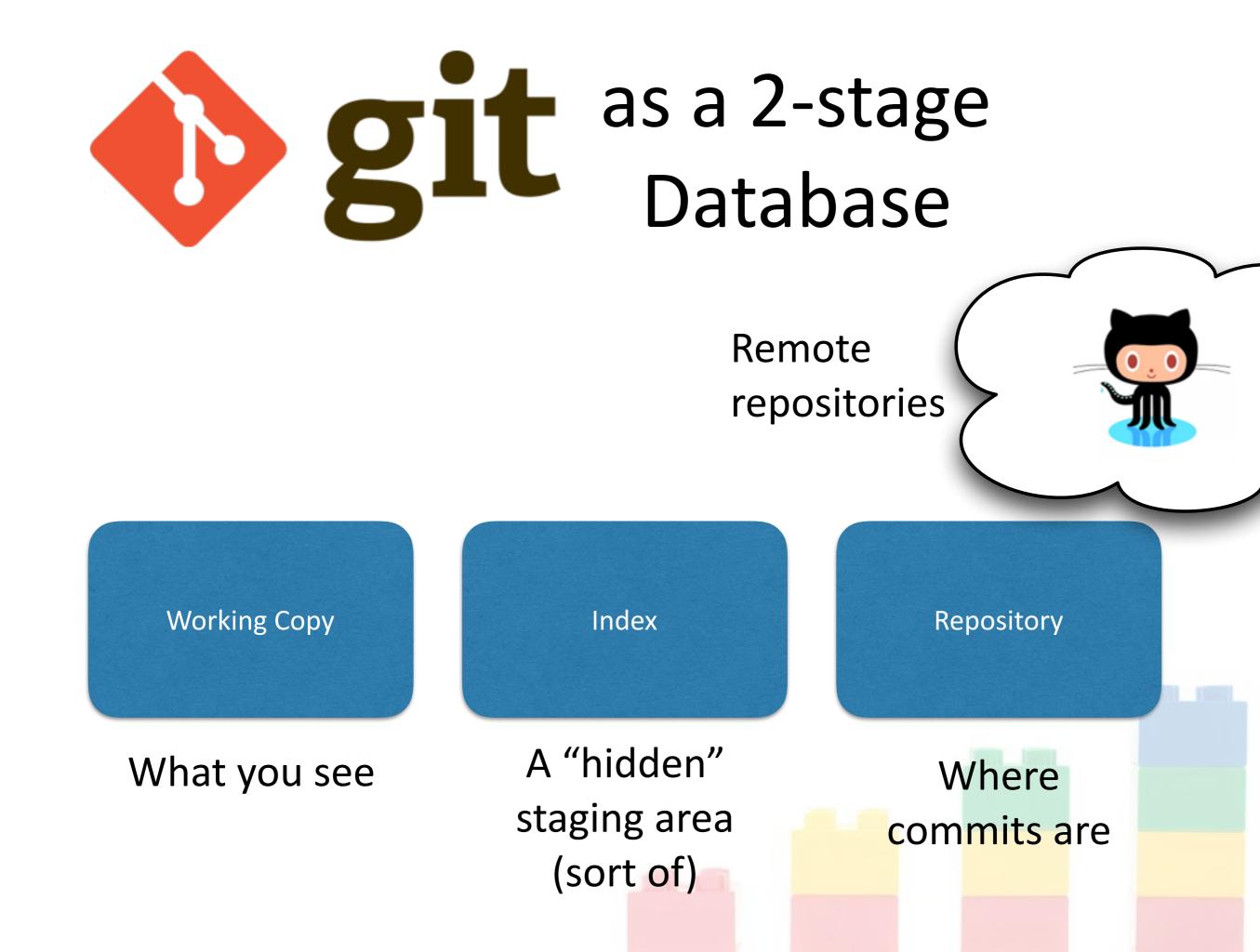


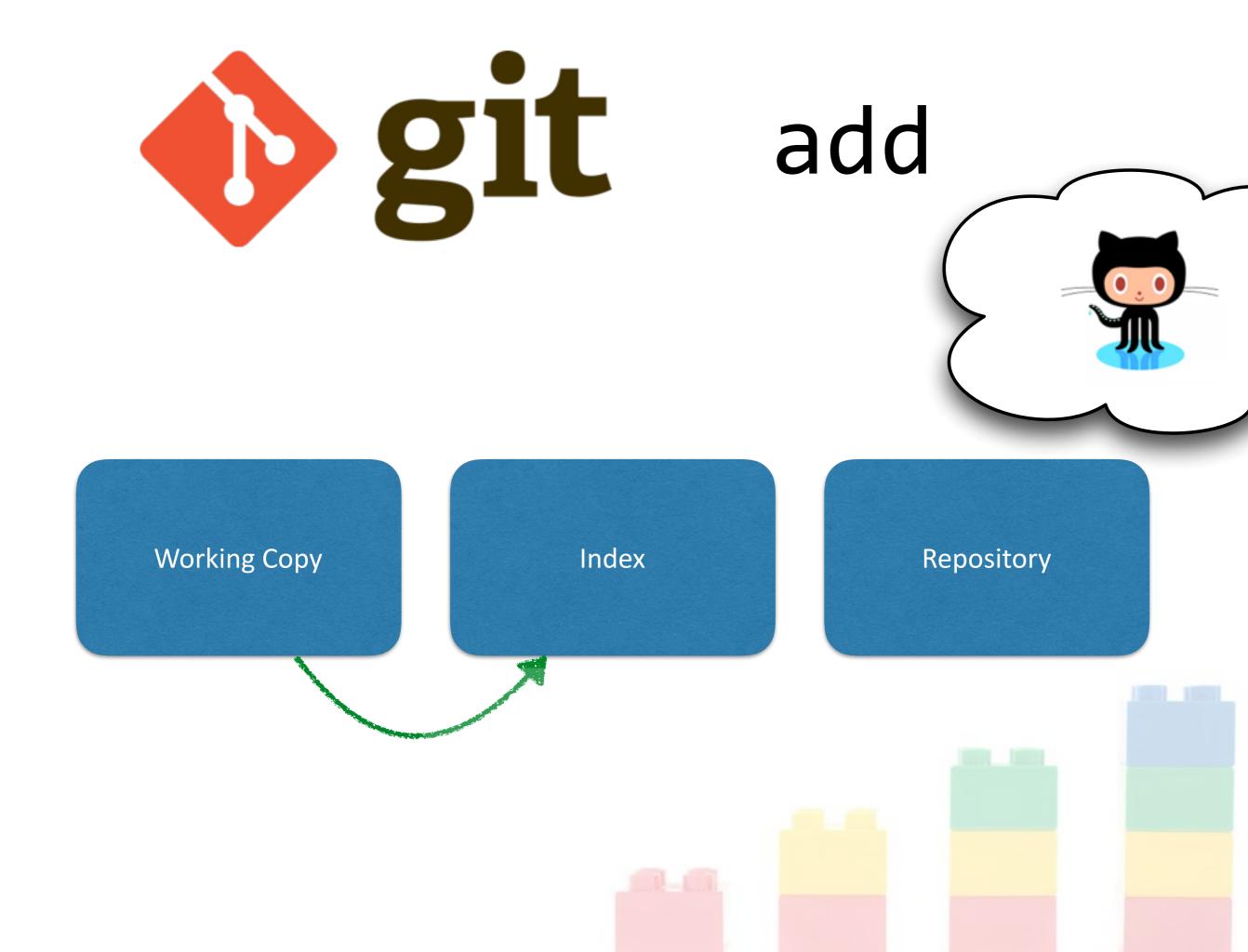


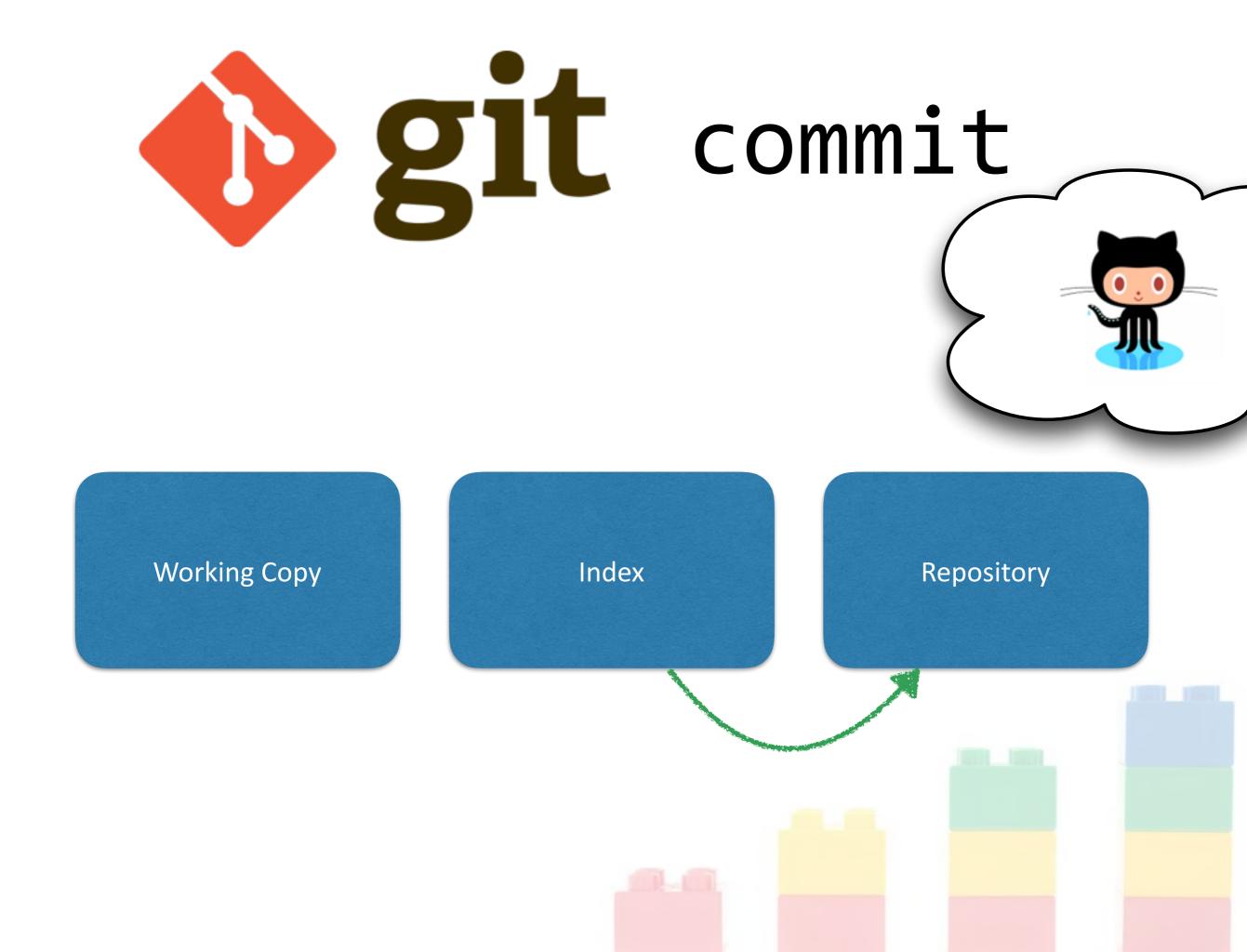


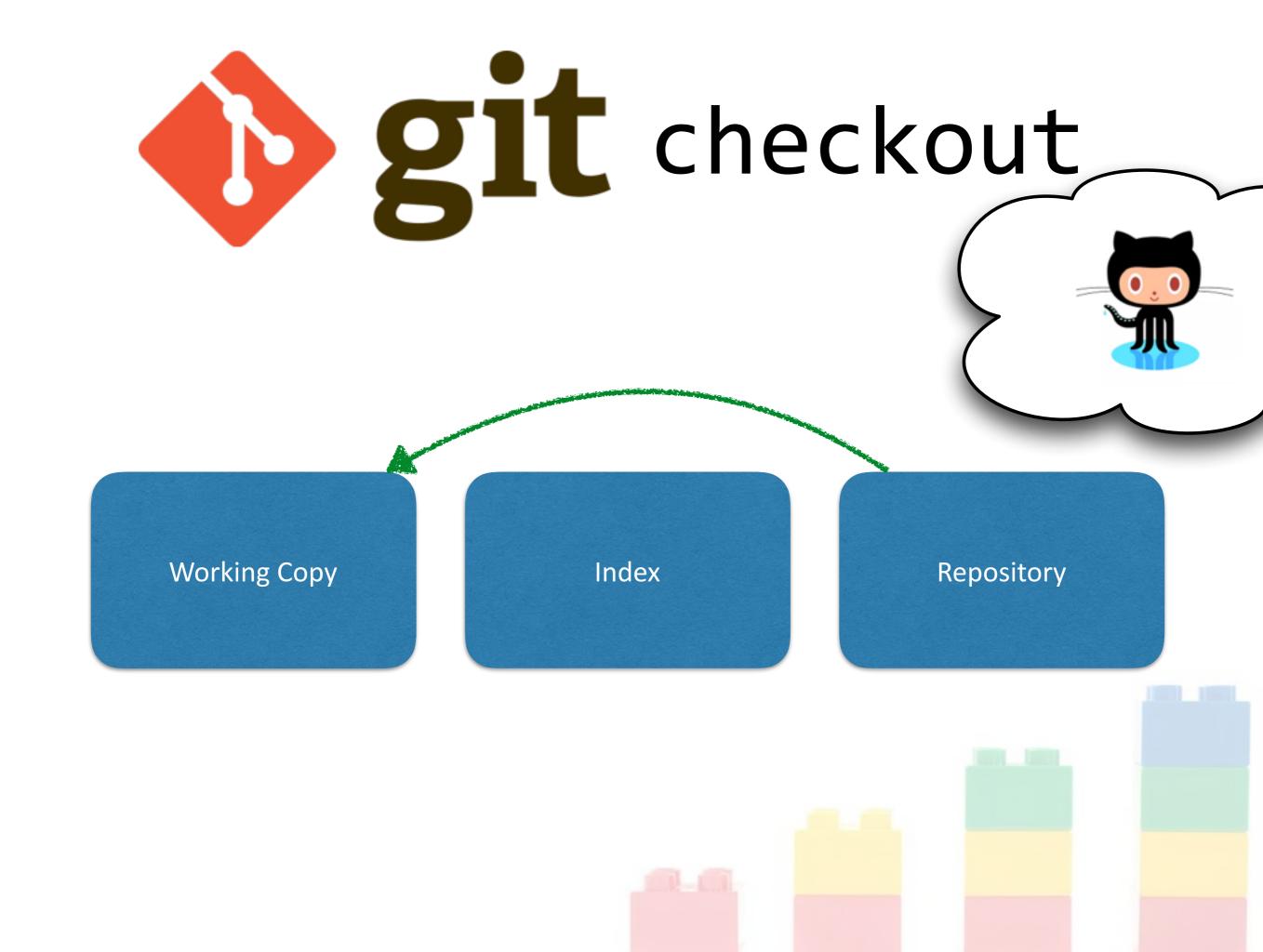


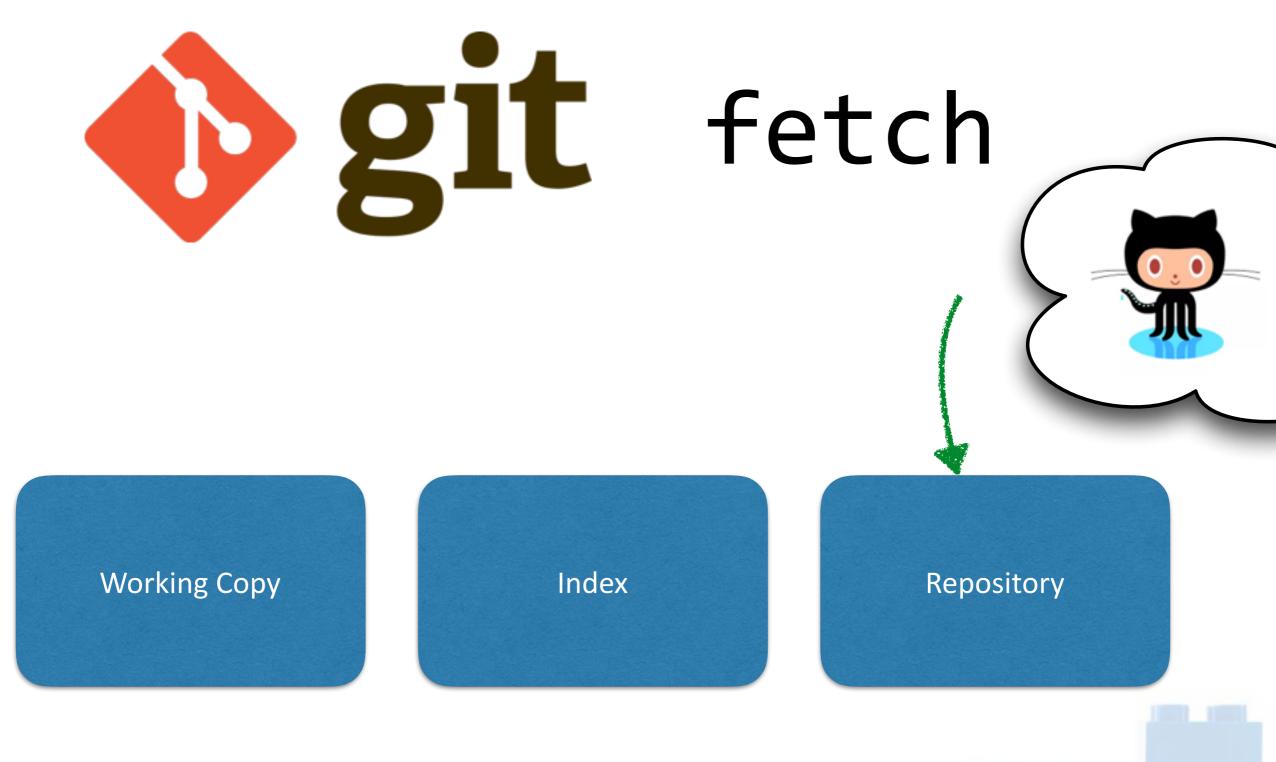
















\$ git fetch
\$ git merge



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### The 4 tips of the Iceberg

× - 0	Working copy of iceberg	
✓ ↑ <sup>●</sup> ↓ C Commit Push Pull Fetch Branch	4 Merge	+ 🕤 🗊 Add package Discard all Repositor
Name	Status	
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ceberg	Up to date	
ceberg-GitCommand	Up to date	
ceberg-Libgit	Up to date	
ceberg-Libgit-Filetree	Up to date	
ceberg-Libgit-Tonel	Up to date	
ceberg-Memory	Up to date	
ceberg-Metacello-Integration	Up to date	
ceberg-Plugin	Up to date	
ceberg-Plugin-GitHub	Up to date	
ceberg-Plugin-Metacello	Up to date	
ceberg-Plugin-Migration	Up to date	
ceberg-Plugin-Migration-Tests	Up to date	
ceberg-Plugin-Pharo	Up to date	
ceberg-Tests	Up to date	
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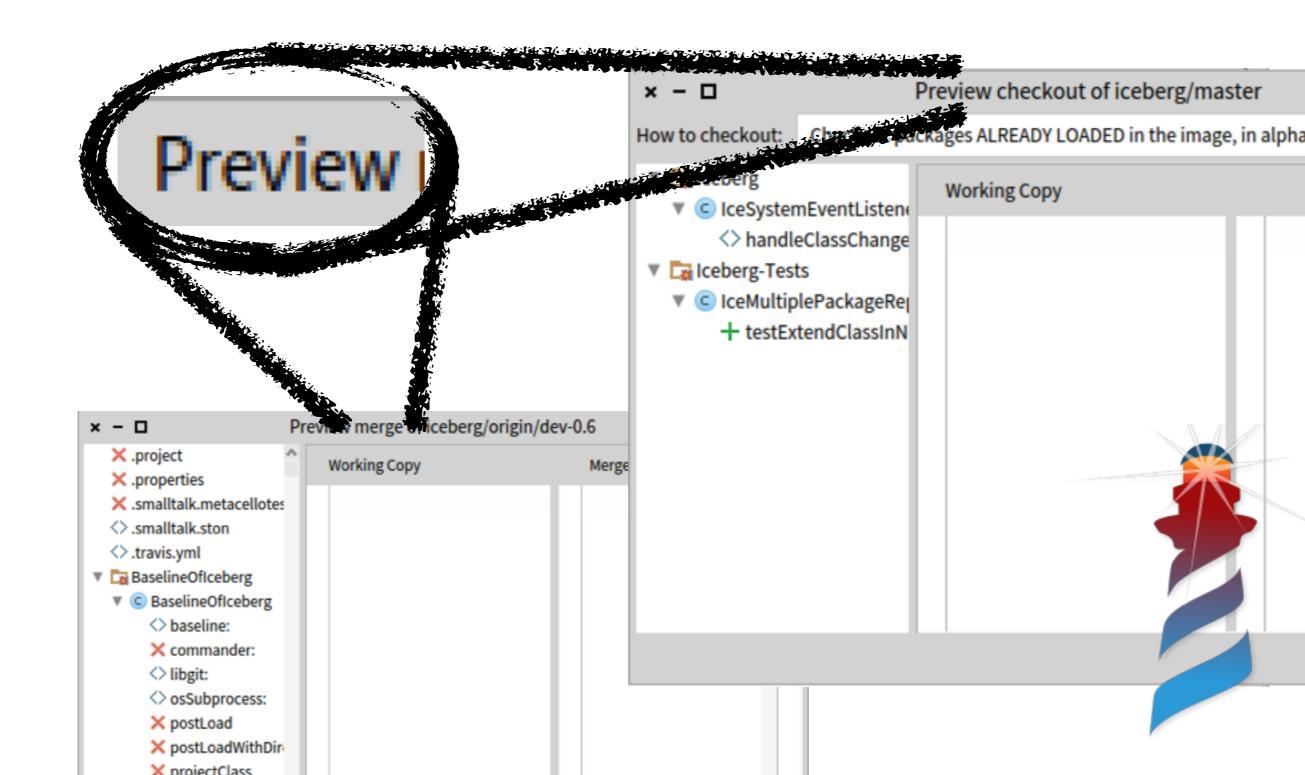


### Show the "Good" Path

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#### Warn about Destruction



### Guide out of the Darkness



#### Repair repository

This repository was created from commit f564539 but the commit is not in your disk repository. You may fetch the correct commit from a remote repository or discard the code in your image and load what is in the repository.

C Fetch remote commits to find the reference commit

Discard local changes and checkout an existing branch

Discard image changes and load repository version

Discard all changes in your image and checkout an existing branch. This action will checkout the branch in the repository and align your image with your repository.

This situation happens because the code loaded in your image does not correspond with the status of your repository.

Opens a preview window before doing any change.

This operation will modify the state of your working copy in disk. All non-committed changes in your disk working copy that are not in the image will be lost. If you want to keep them, perform a commit from outside before.

Ok Cancel

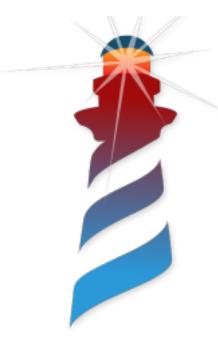


### Use a Clear Language

workingCopy commitWithMessage: 'message'.

aRepository head.

aBranch pull.



#### And if you want more





Tuesday 16:30



Or this cool website: https://learngitbranching.js.org/ Fridav 10:00

