

Mastering Git

THE FOUR AREAS: INTRODUCTION



Paolo Perrotta

FREELANCE DEVELOPER

@nusco

Git Commands

git filter-branch
git commit
git add
git bisect
git grep
git status
git mv
git fetch
git diff
git log
git clean
git help
git clone
git merge
git rebase
git blame
git reflog
git rerere
git clean
git help
git clone
git merge
git reset
git push
git remote
git init
git branch
git rm
git cherry-pick
git config
git checkout
git revert

We will focus on the Git
“way of thinking”.

The Previous Training

What do you want to learn?

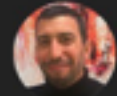
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How Git Works

by Paolo Perrotta

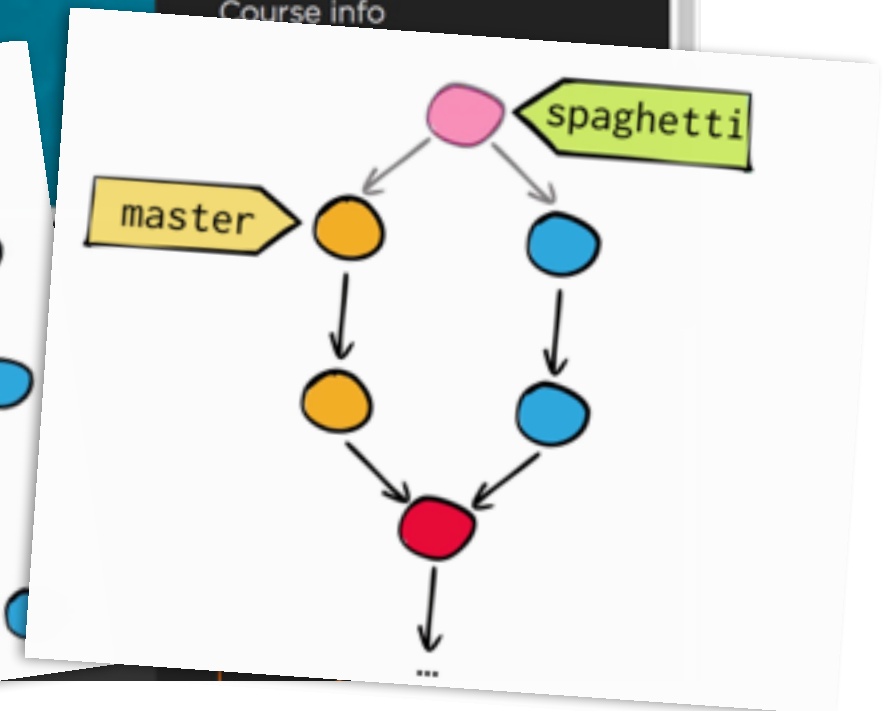
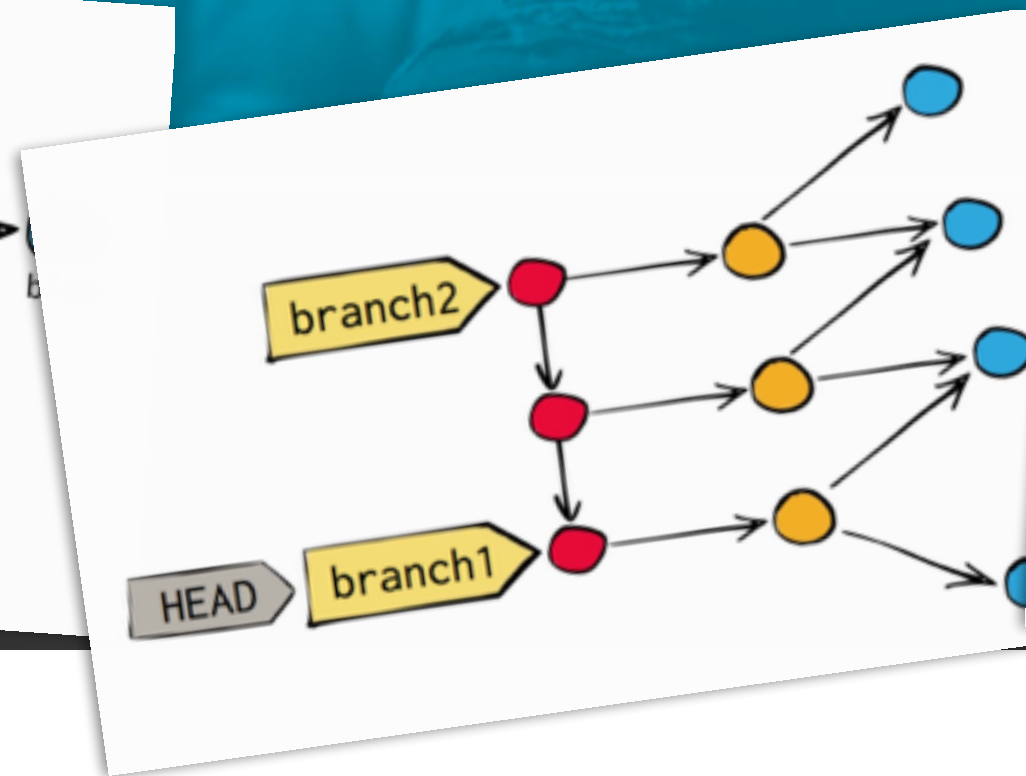
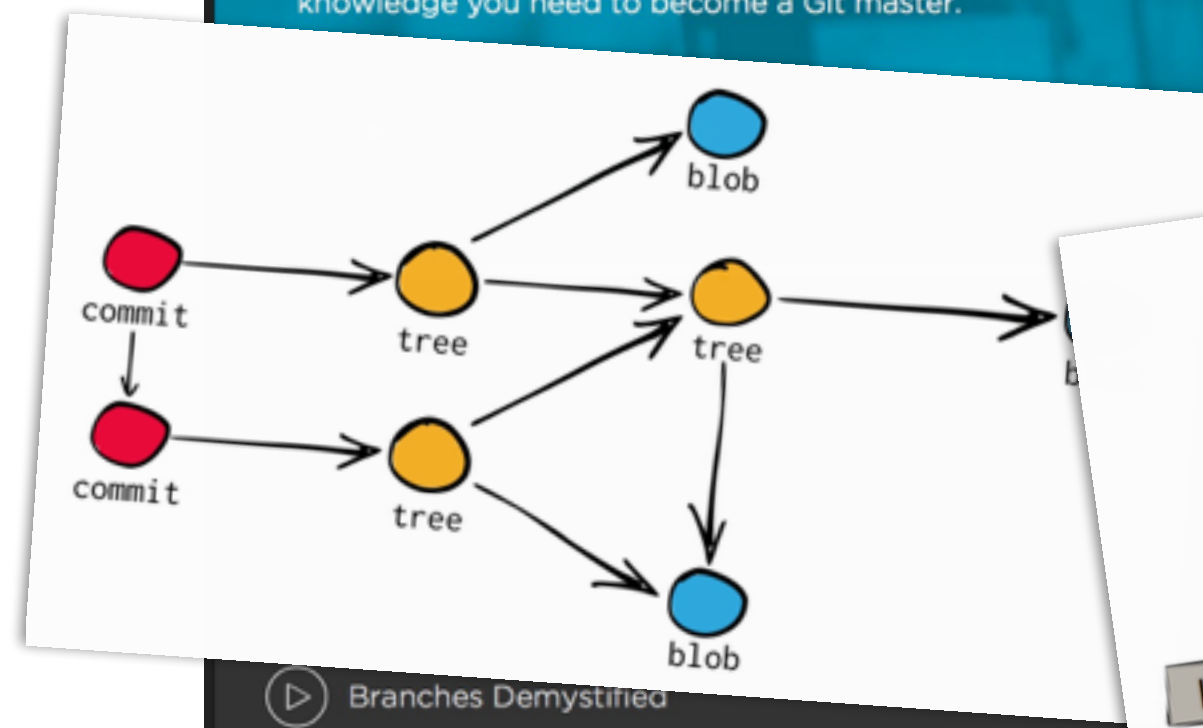
This course is for developers and system administrators who want to really understand Git. Whether you just started using Git, or you've been using it every day for months - this course will give you the knowledge you need to become a Git master.

Course author

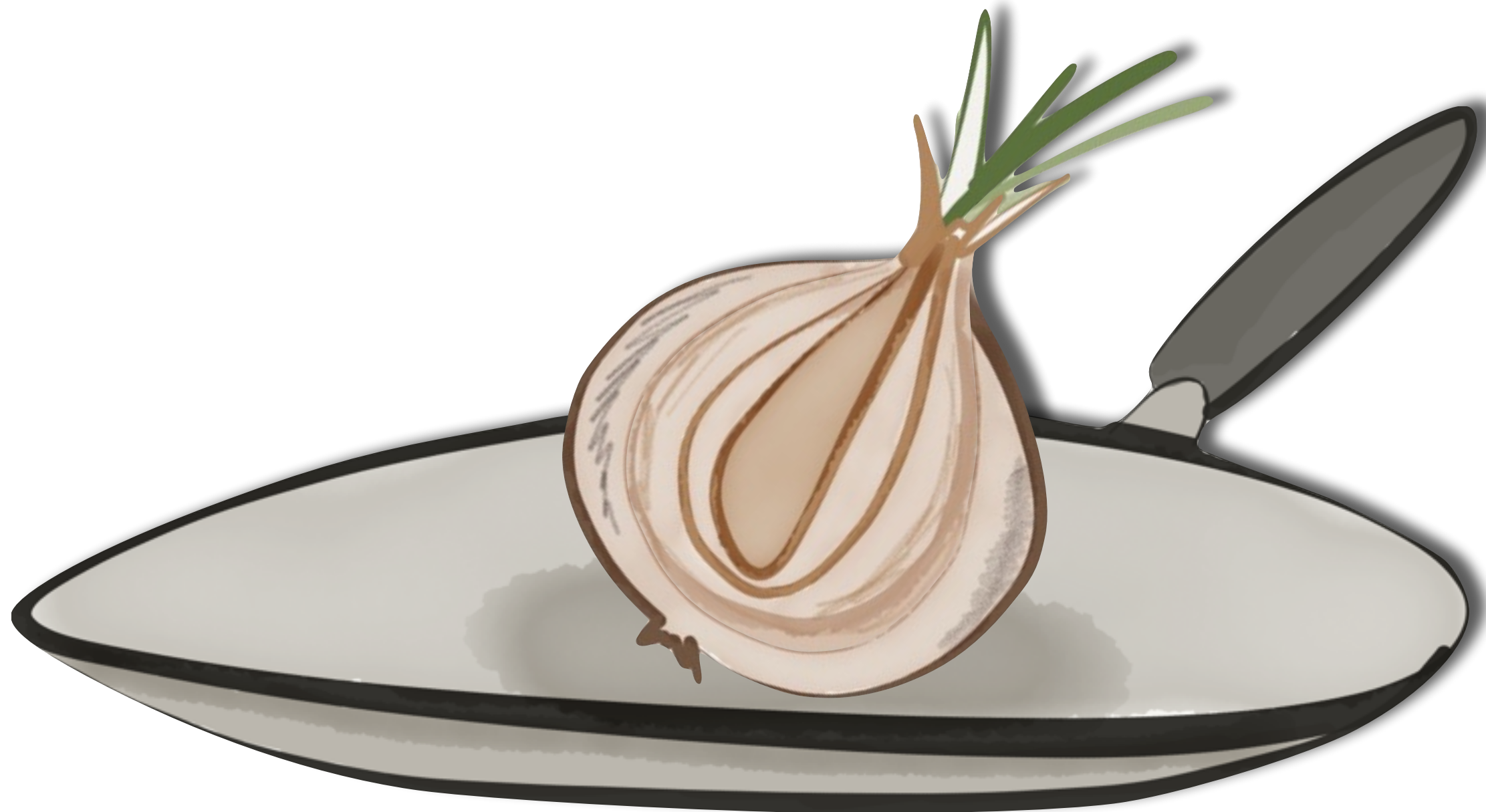
 **Paolo Perrotta**

Paolo Perrotta is a traveling coach and a software mentor. He wrote "Metaprogramming Ruby", widely praised as one of the essential books on Ruby.

Course info




The “Onion” Metaphor



The Previous Training (Again)

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Course author

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Course info

Level	Beginner
Rating	★★★★★ (347)
My rating	★★★★★
Duration	1h 48m
Released	10 Mar 2016

Bookmarked

How Git Works

by Paolo Perrotta

This course is for developers and system administrators who want to fully understand Git. Whether you just started using Git, or you've been using it every day for months - this course will give you the knowledge you need to become a Git master.

▶ Resume Course

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Description

Exercise files

Discussion

Learn

▶ Git Is Not What You Think

✓

🔖

35m 22s

▼

▶ Branches Demystified

✓

🔖

29m 18s

▼

Expand all



Course Overview

The Four Areas: Introduction

The Four Areas: Basic Workflow

The Four Areas: git reset

The Four Areas: Advanced Tools

History: Exploring the Past

History: Fixing Mistakes

Finding Your Workflow

The Command Line



The Command Line



The Four Areas



Stash

The diagram illustrates the four areas of a version control system. It consists of four vertical rectangular boxes arranged horizontally. Each box has a colored header at the top and a larger white area below. The headers are labeled 'Stash' (pink), 'Working Area' (green), 'Index' (gray), and 'Repository' (orange). The boxes are connected by thin horizontal lines at the top and bottom, suggesting a continuous flow or relationship between the areas.

Working Area

Index

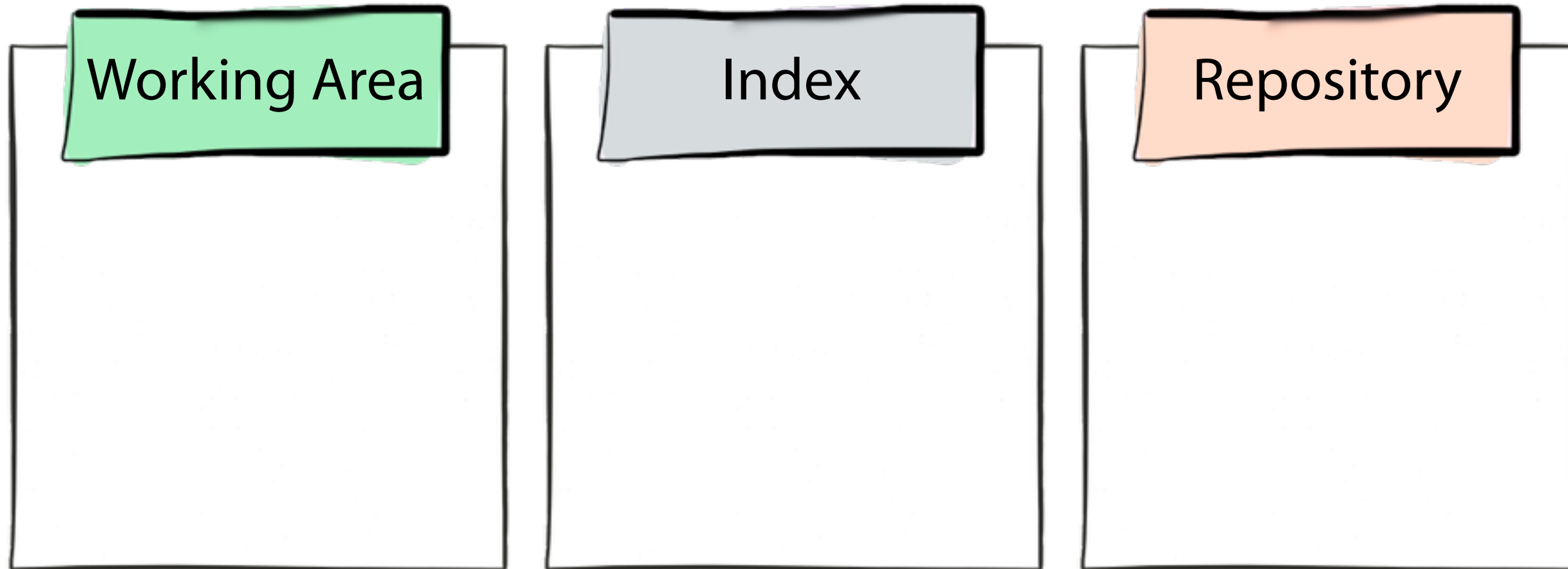
Repository

The Two Questions

How does this command move
information across the Four Areas?

How does this command change
the Repository?

The Three Main Areas



If you have trouble following
this section, then watch
“How Git Works” first.

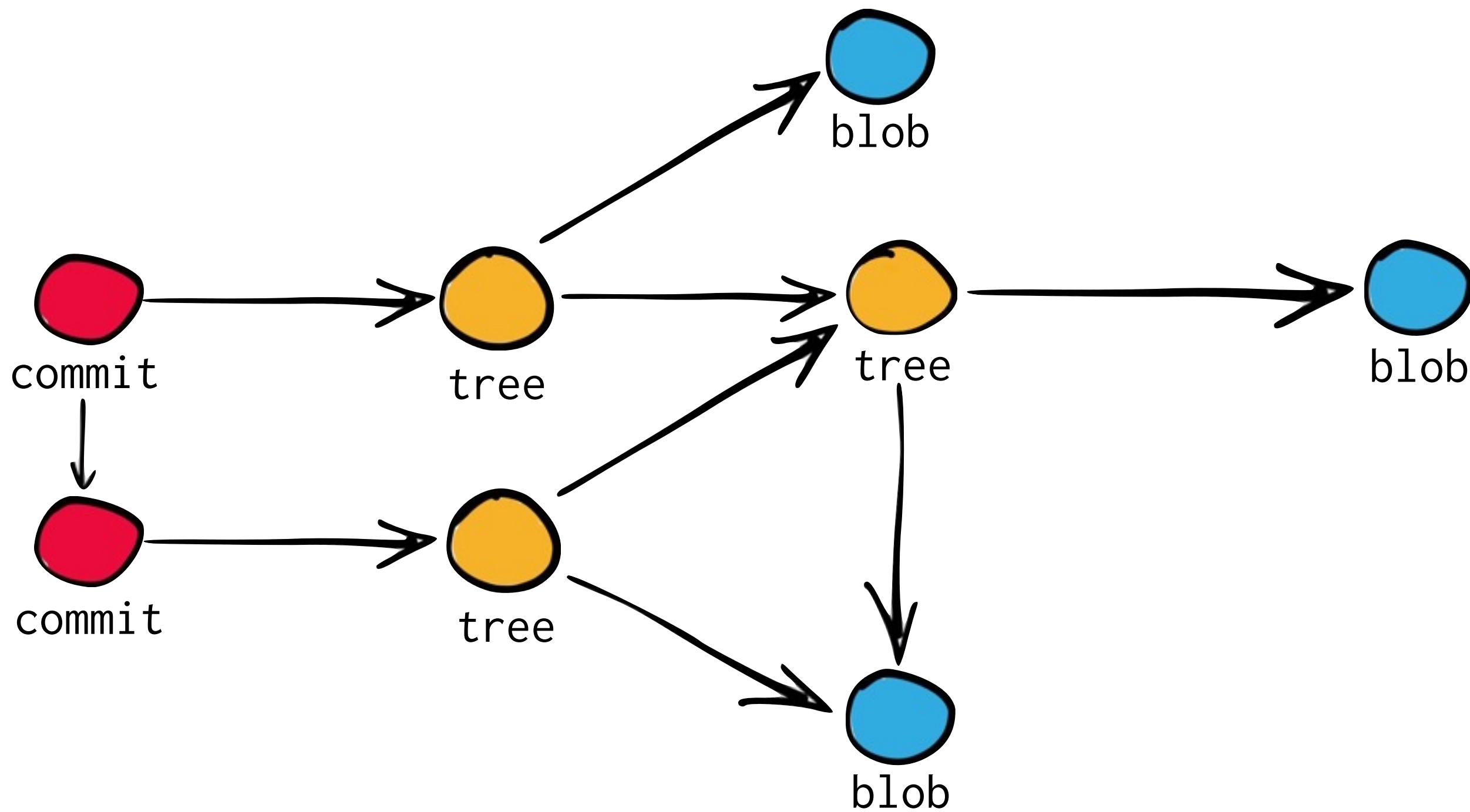


Working Area

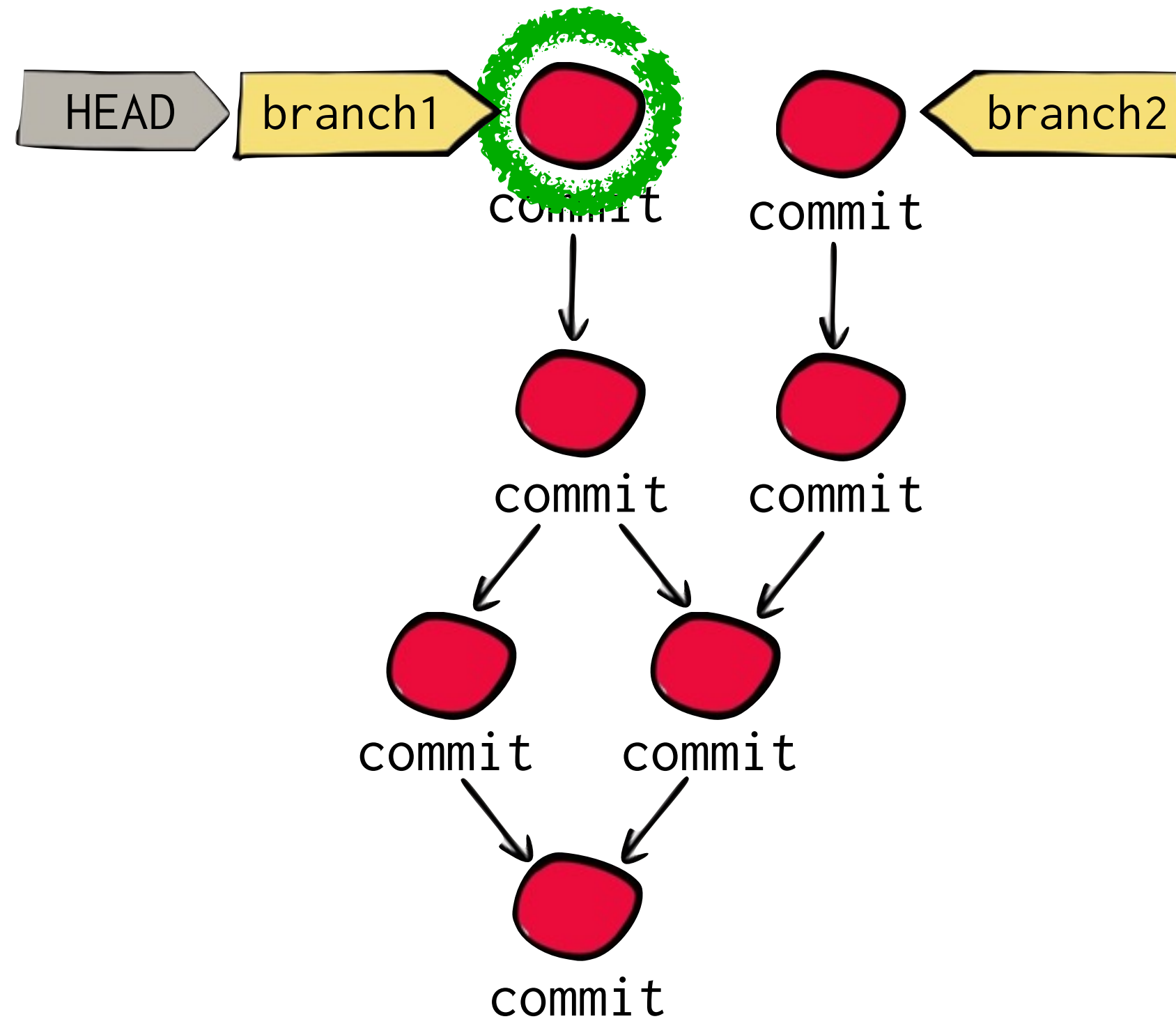


Repository

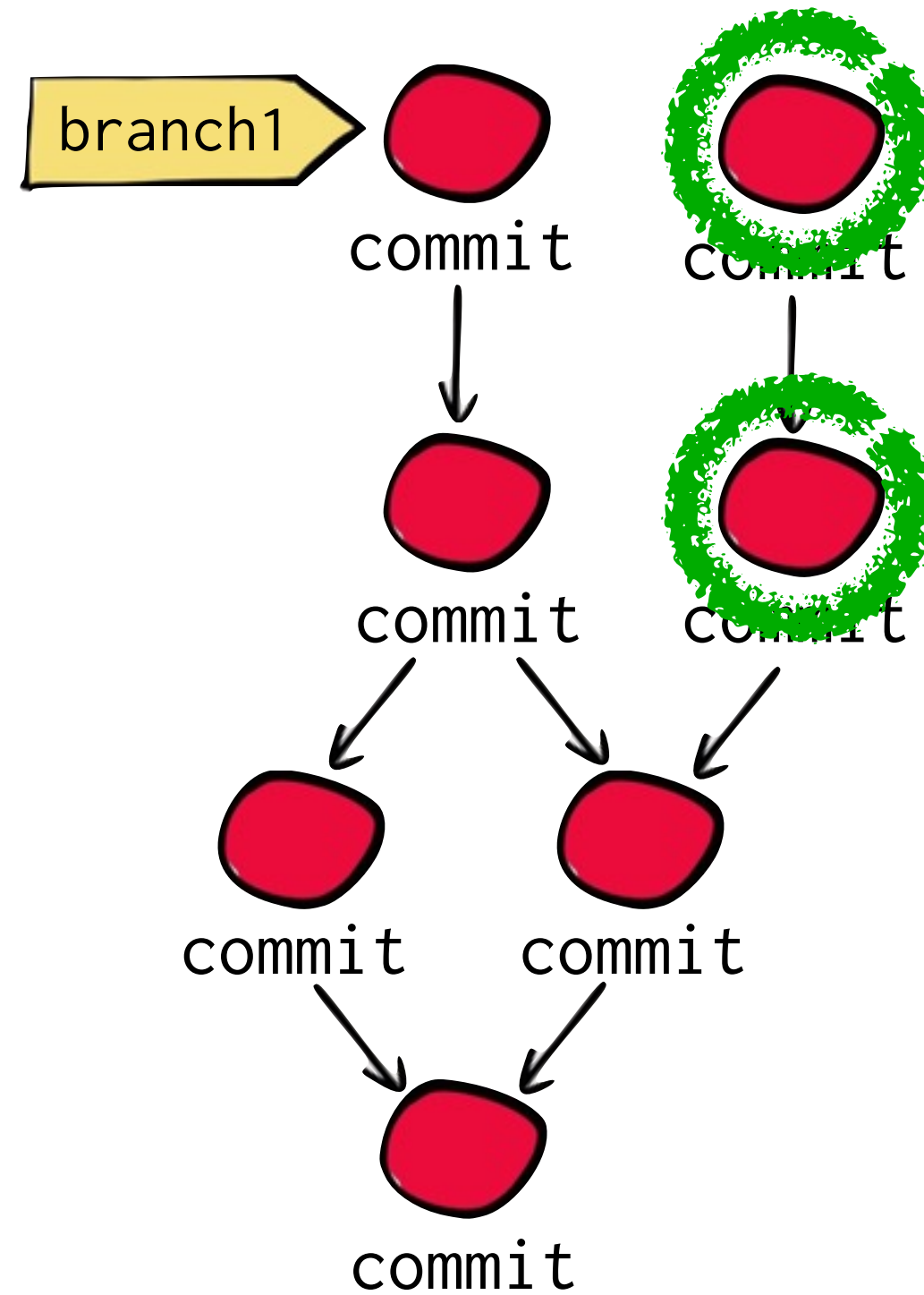
The Project History



HEAD and the Current Commit



Unreachable Commits



If you could follow this
recap, then move on
with this training.

Working Area

● menu.txt

● recipes

Index

● menu.txt

● recipes

Repository

● menu.txt

● recipes

