



Pantheon Branching & Multidev



In This Lesson

- ▶ What is Multidev?
- ▶ Review the benefits
- ▶ Explain terminology

What is Multidev?

- ▶ Fork the entire development site
- ▶ Do development work
- ▶ Merge the code changes

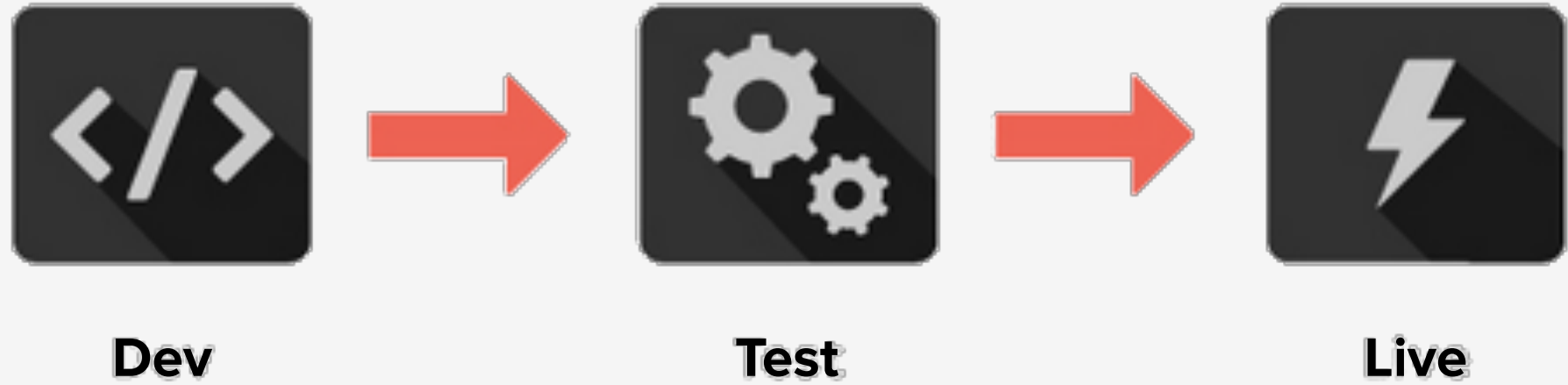
Benefits of Multidev

- ▶ Standardized best practices
- ▶ Each developer has their own environment
- ▶ Same copies of the site

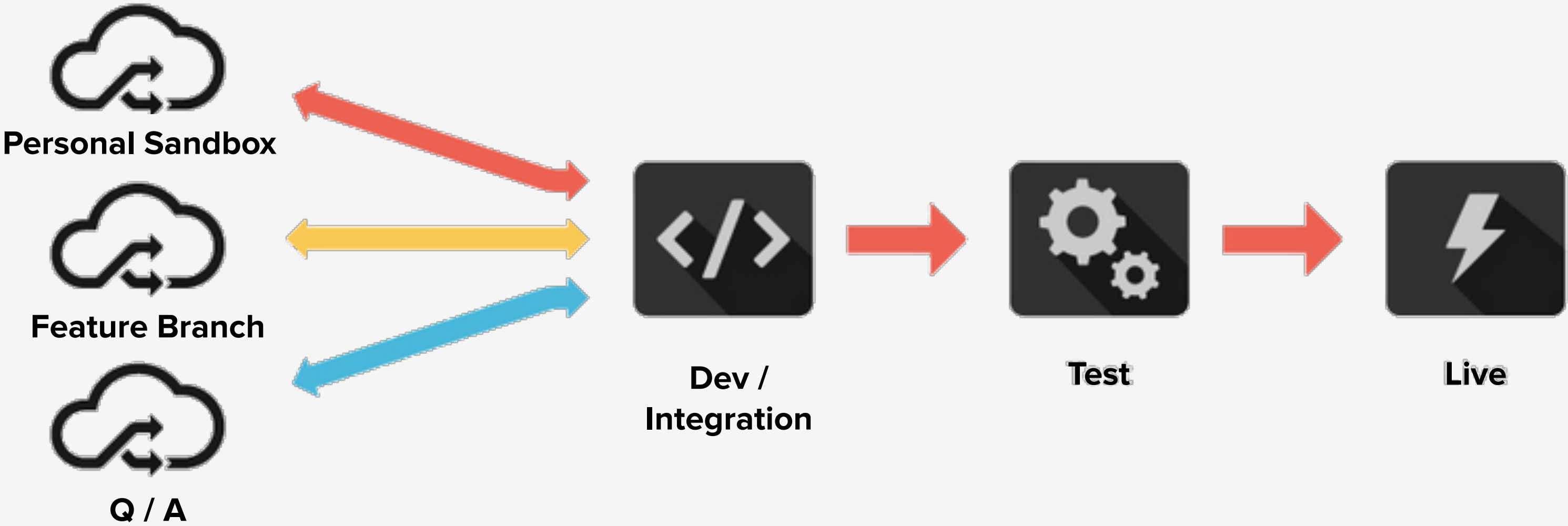
Pantheon Standard Workflow



Pantheon Standard Workflow



Pantheon Multidev



Terminology

- ▶ environment
- ▶ fork
- ▶ commit
- ▶ branch
- ▶ master
- ▶ merge

Environment and Fork



Environment

Infrastructure for a site, including code, DB, and files.

Environment and Fork



Environment

Infrastructure for a site, including code, DB, and files.



Fork

Copy source code to start independent development.
Pantheon also copies files and database when forking.

Branches and Commits



Commit

Record snapshot to history.

Branches and Commits



Commit
Record snapshot to history.

Branches and Commits

Branch

Movable pointer to a set of commits, allowing independent development and history.



Commit

Record snapshot to history.

Branches and Commits

Branch

Movable pointer to a set of commits, allowing independent development and history.



Commit

Record snapshot to history.

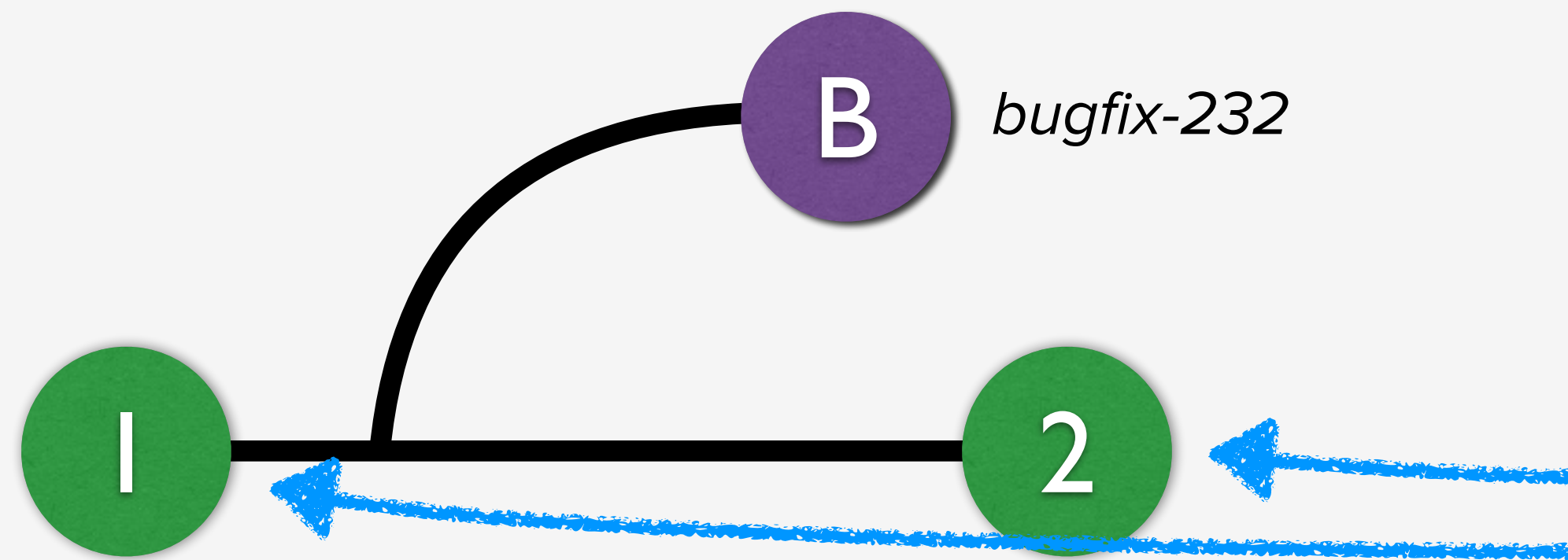
Master

Name of default branch; deployed to Pantheon Dev, Test and Live environments.

Branches and Commits

Branch

Movable pointer to a set of commits, allowing independent development and history.



Commit

Record snapshot to history.

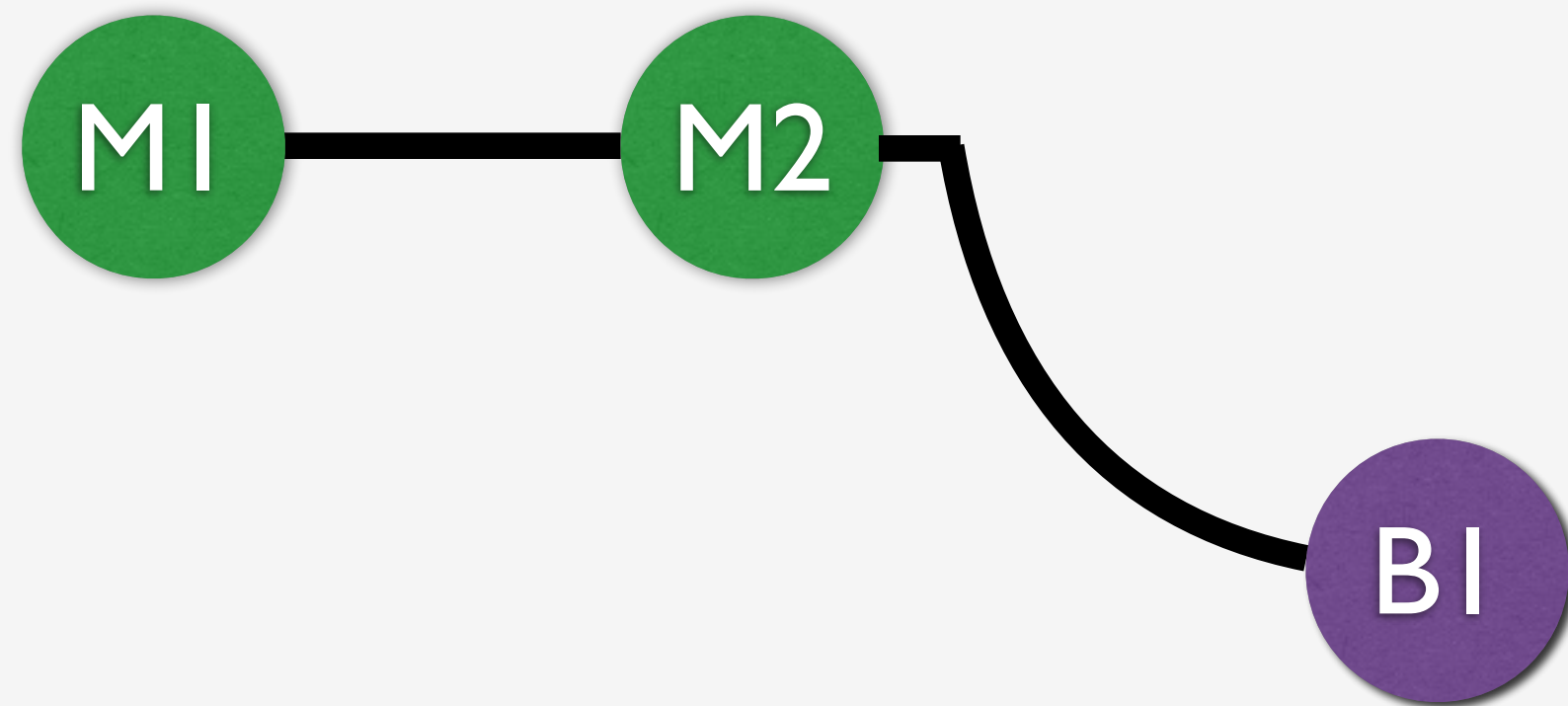
Master

Name of default branch; deployed to Pantheon Dev, Test and Live environments.

Merging Code

Merge

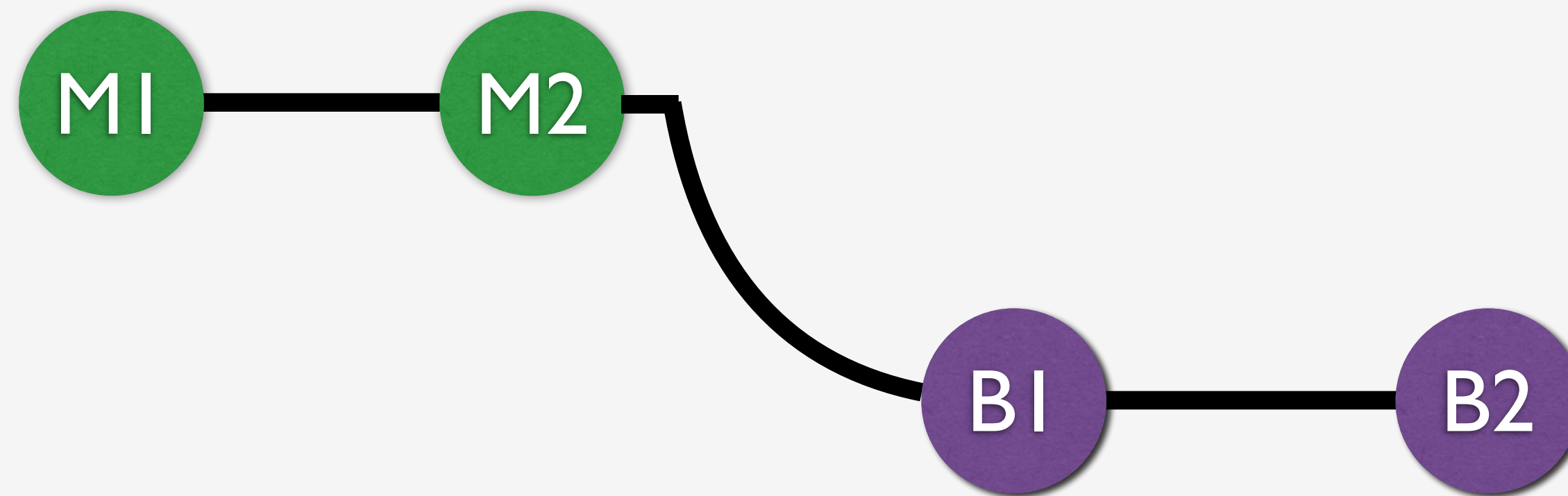
Combine code of one branch into another, like a bug fix branch into master.



Merging Code

Merge

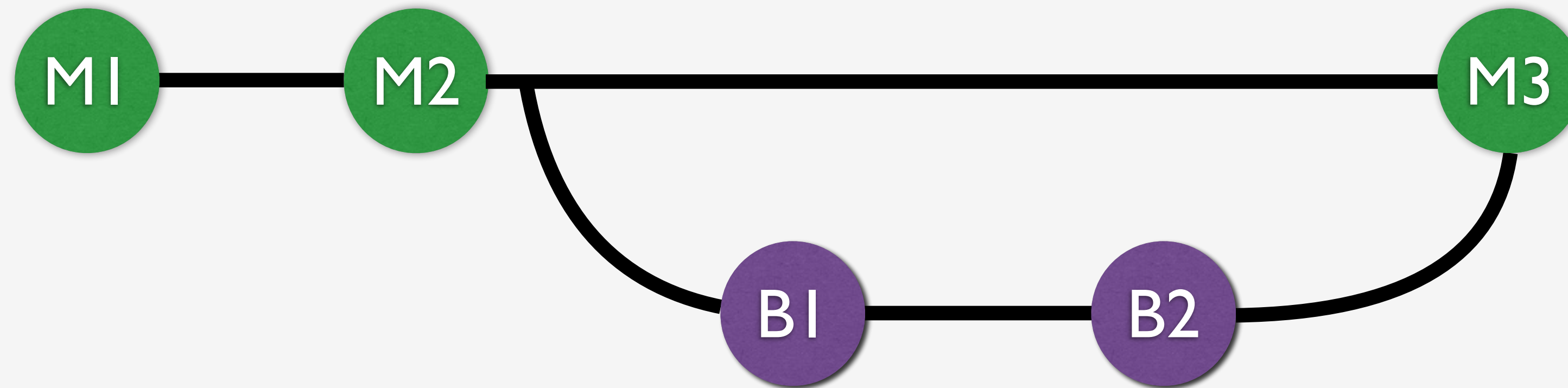
Combine code of one branch into another, like a bug fix branch into master.



Merging Code

Merge

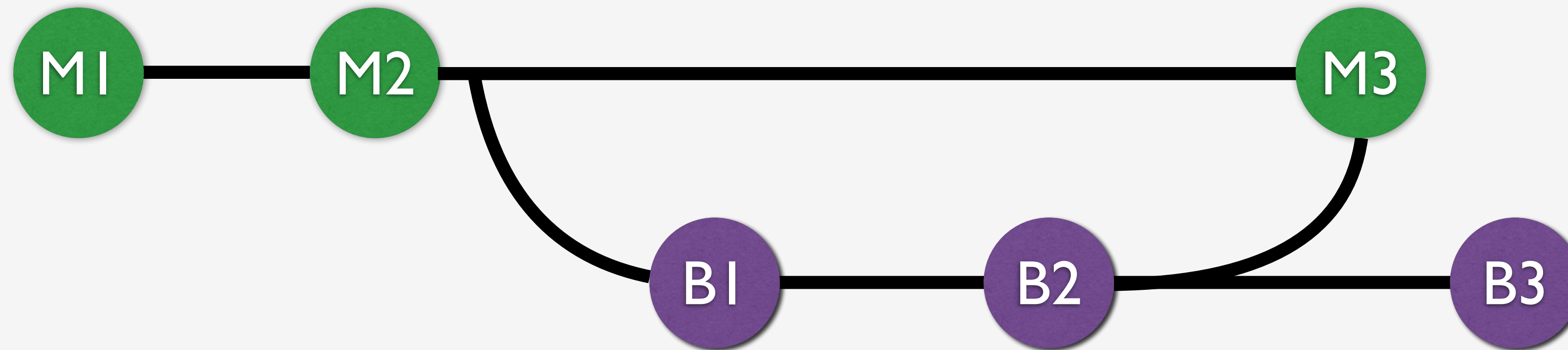
Combine code of one branch into another, like a bug fix branch into master.



Merging Code

Merge

Combine code of one branch into another, like a bug fix branch into master.



Terminology

- ▶ **environment:** Independent infrastructure for a site, including code, DB, and files.
- ▶ **fork:** To divide in branches, copying source code to start independent development. Pantheon also copies content (files and database) when forking.
- ▶ **commit:** Record snapshot to history.
- ▶ **branch:** Movable pointer to a set of commits, allowing independent development and history.
- ▶ **master:** Name of default branch; deployed to Pantheon Dev, Test and Live environments.
- ▶ **merge:** Combine contents of a branch into another, like a bug fix branch into master.

Multidev Management

Cloud Development Environments

Git Branches

Cloud Development Environments

[? Learn how to use Multidev](#)

 Create Cloud Development Environment

	feature-555 No unmerged commits		Delete Environment
	bugfix-232 Last updated 12 minutes ago by add1sun		Merge into master Delete Environment

Recap

- ▶ Explained what Multidev is
- ▶ Reviewed the benefits
- ▶ Explained terminology