
How Effective Teams

Use 

megakemp.com/git



git

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HELP

SUPPORT

ADVICE

GUIDANCE



Team Foundation
Server





NAME

git - the stupid content tracker

SYNOPSIS

```
git [--version] [--help] [-C <path>] [-c <name>=<value>]
[--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
[-p|--paginate|--no-pager] [--no-replace-objects] [--bare]
[--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
[--super-prefix=<path>]
<command> [<args>]
```

DESCRIPTION

Git is a fast, scalable, distributed revision control system with an unusually rich command set that provides both high-level operations and full access to internals.

See [gittutorial\(7\)](#) to get started, then see [giteveryday\(7\)](#) for a useful minimum set of commands. The [Git User's Manual\[1\]](#) has a more in-depth introduction.

After you mastered the basic concepts, you can come back to this page to learn what commands Git offers. You can learn more about individual Git commands with "git help command". [gitcli\(7\)](#) manual page gives you an overview of the command-line command syntax.

A formatted and hyperlinked copy of the latest Git documentation can be viewed at <https://git.github.io/htmldocs/git.html>.

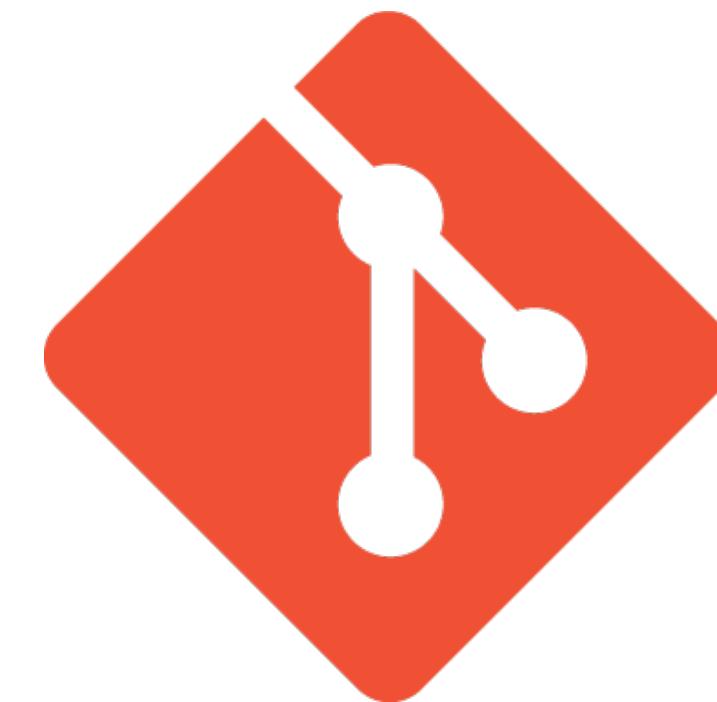


git





git



git

I'M WRITING THIS DOWN



IT'S GOOD STUFF

What this talk is about

A collection of Git habits
to improve your development workflow
both individually and as a team

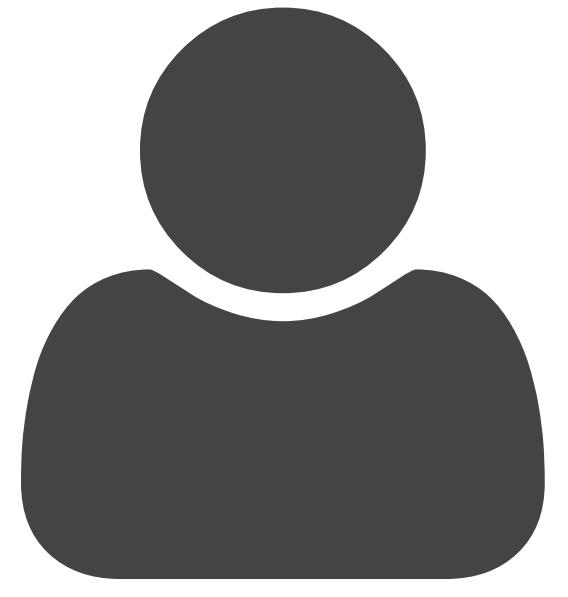


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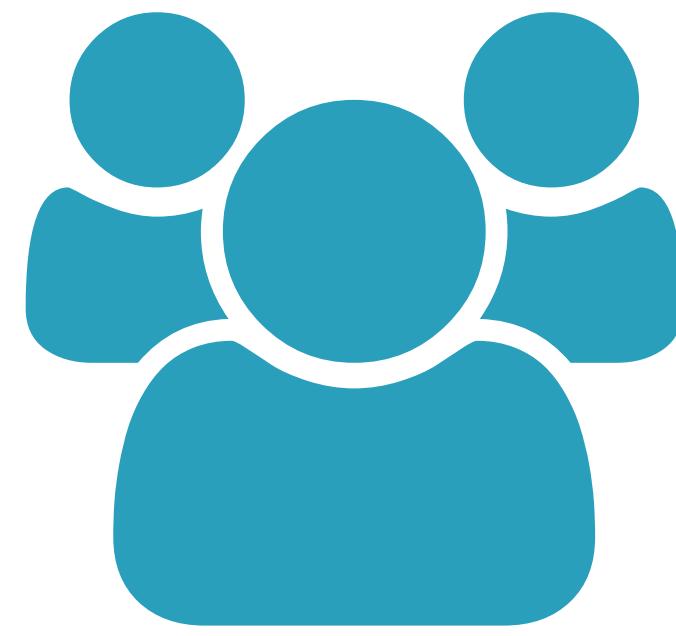
Let's Get Started



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Personal Workflows



Team Workflows



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1

2

3



1

2

3



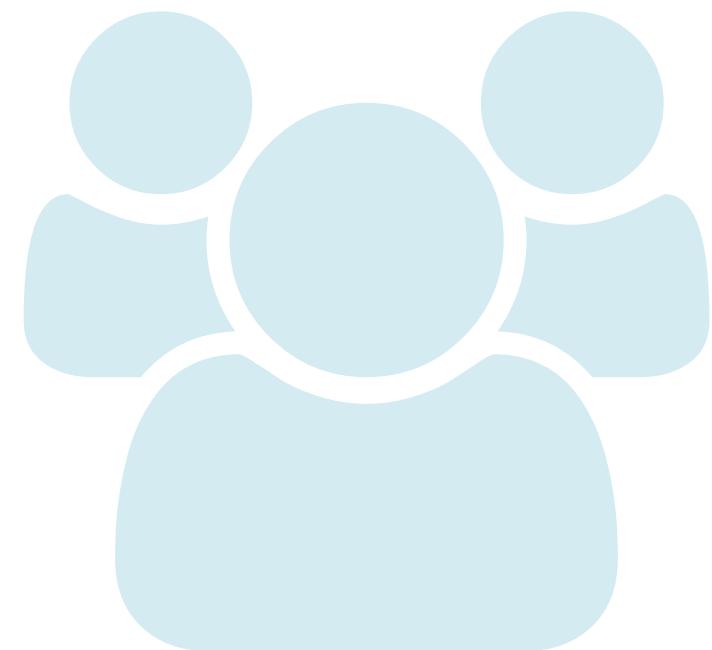
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1

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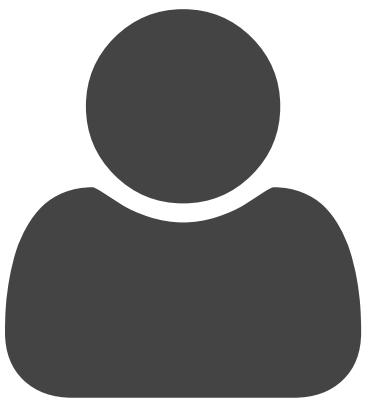
1

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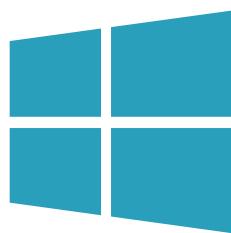


① Get Comfy

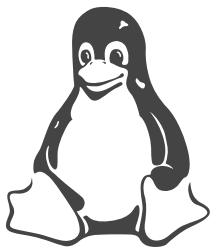
Configure your **environment**



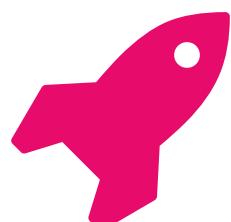
Git-aware Prompt



posh-git



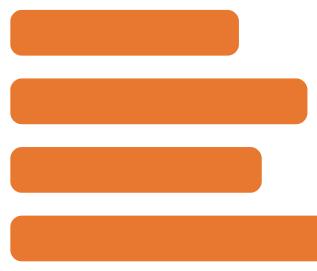
bash-git-prompt



starship



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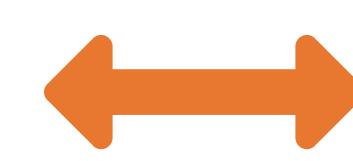


Pretty Diffs

```
core.pager "diff-so-fancy" | less -RFX
```



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Whitespace Handling

```
core.whitespace tab-in-indent
```

```
git diff --check
```



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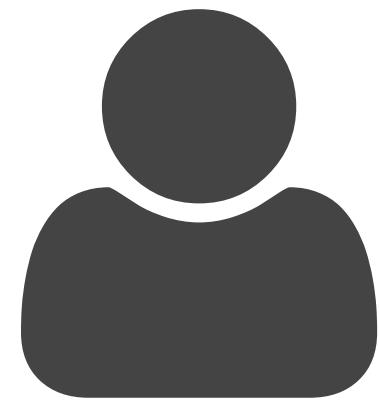


Better Conflict Handling

```
merge.conflictstyle diff3
```



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②

Craft Your History

Create ACID commits



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Autonomous

A commit should contain a
single logical change
independent from other commits

```
git add --patch
```



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Correct

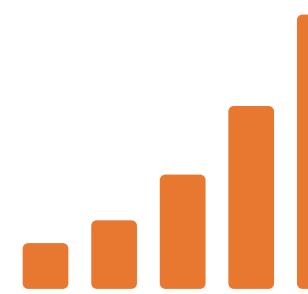
A commit should **not break**
the state of the working tree

```
git stash save --keep-index
```

```
git rebase --exec
```



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Incremental

A commit should represent a
logical progression
compared to previous commits

```
git rebase --interactive
```

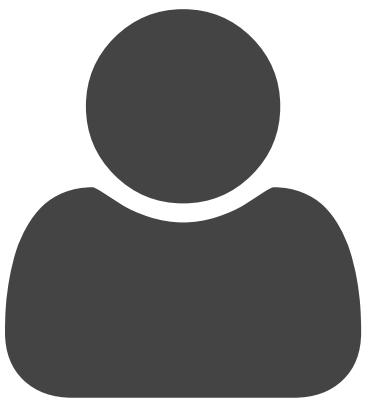


Documented

A commit should clearly state
the purpose of the change
and the context in which it was made



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③ Automate!

Let **Git** do the work for you



Aliased Functions

```
git config alias.undo
```



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Reuse Recorded Resolutions

```
git config rerere.enabled true
```



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Client-side Hooks

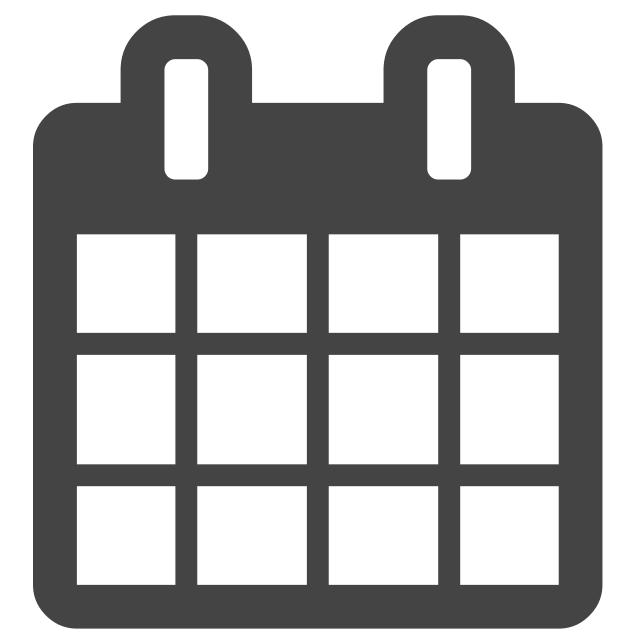
```
pre-commit # Validate the patch
```

```
commit-msg # Validate the message
```

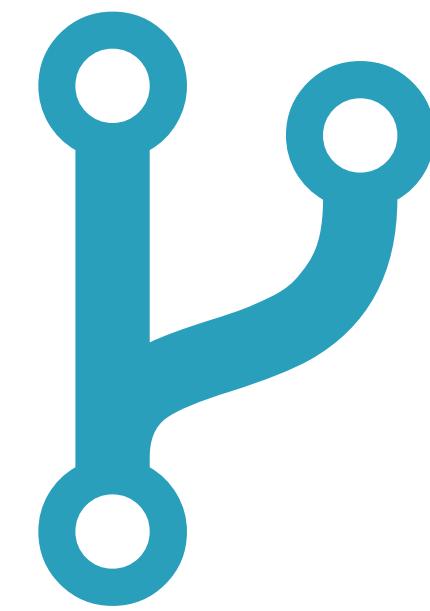


① Branching

Be aware of the different
kinds of branches



Long-running

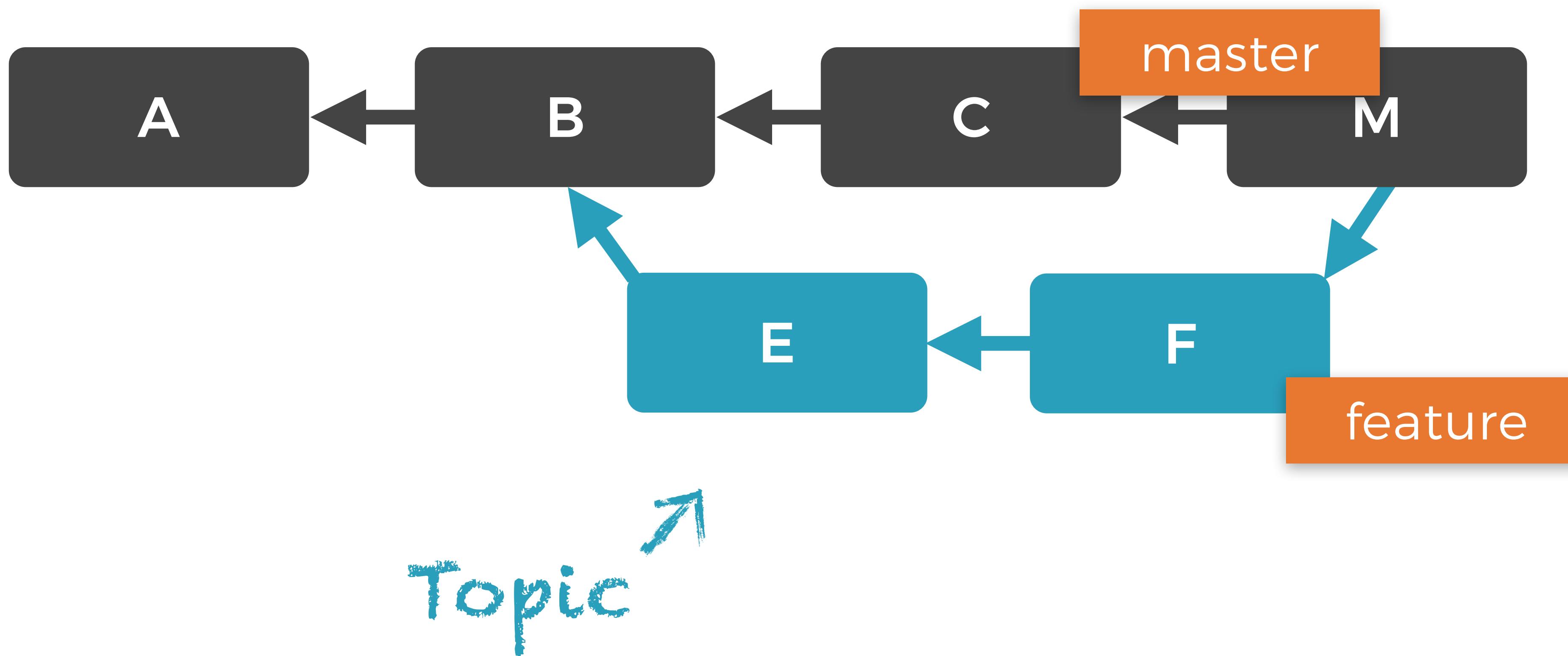


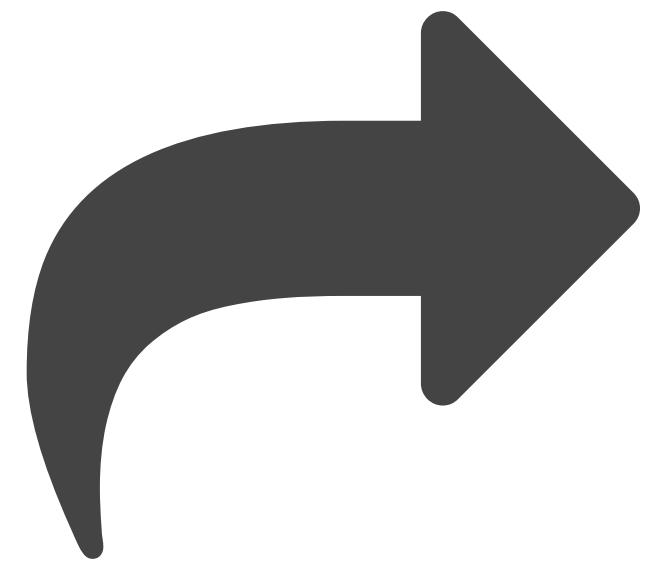
Topic



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Long-running





Public

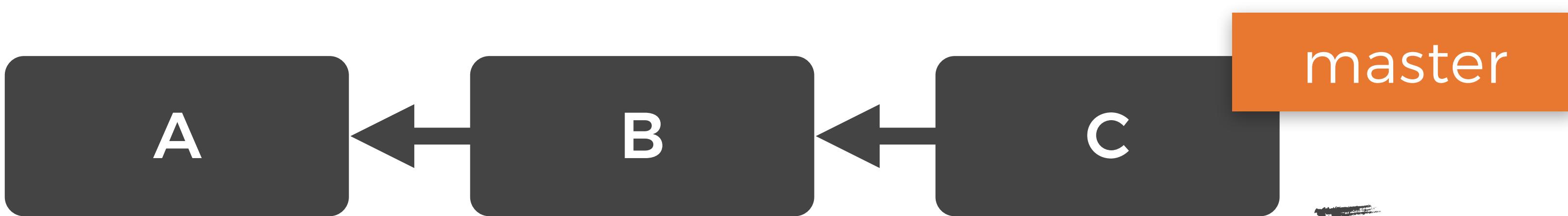
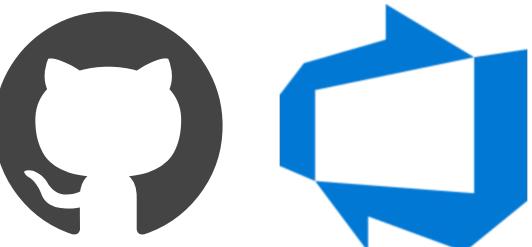


Private

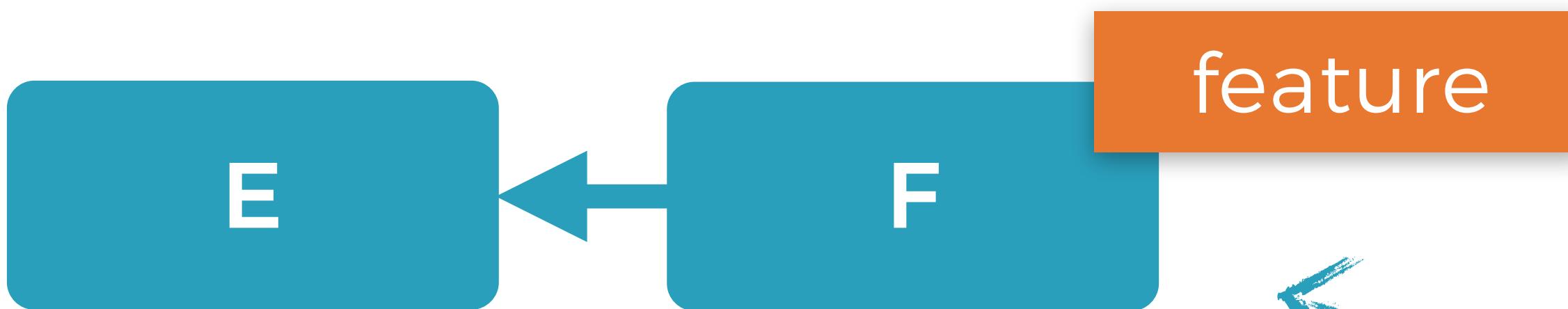


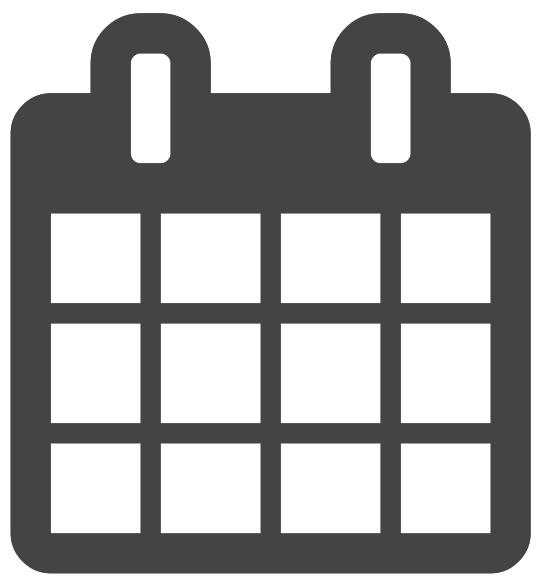
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Shared Repo

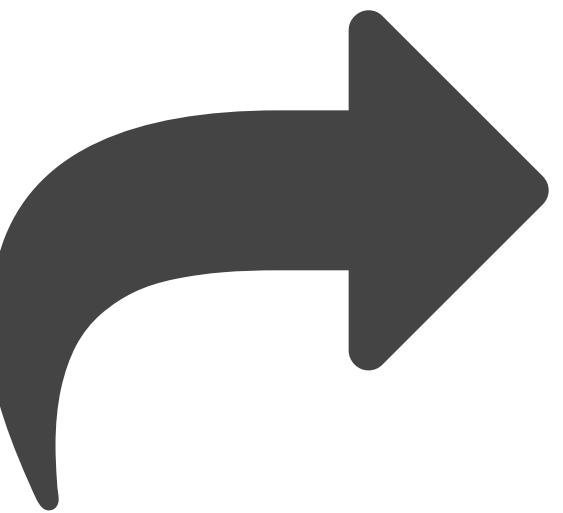


Local Repo

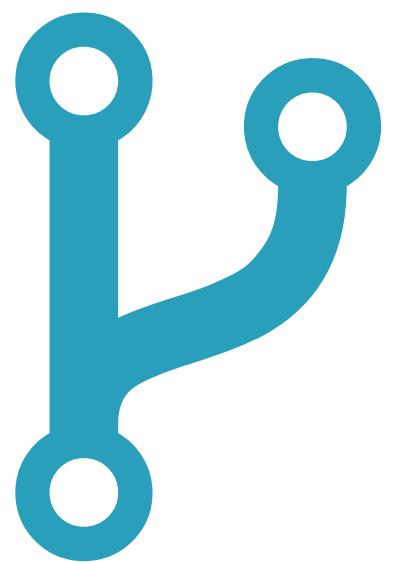




Long-running



Public



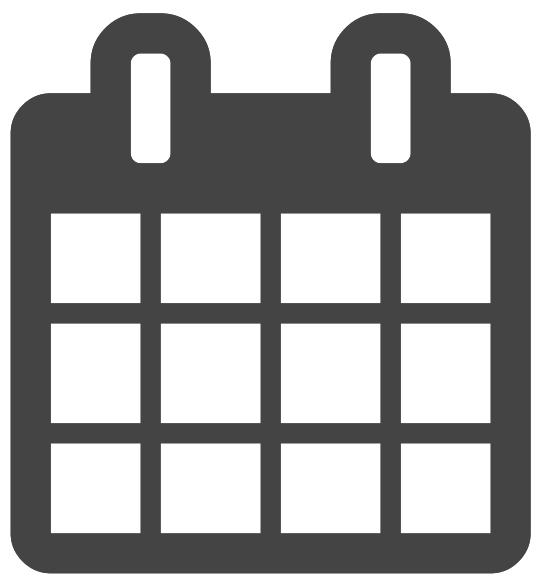
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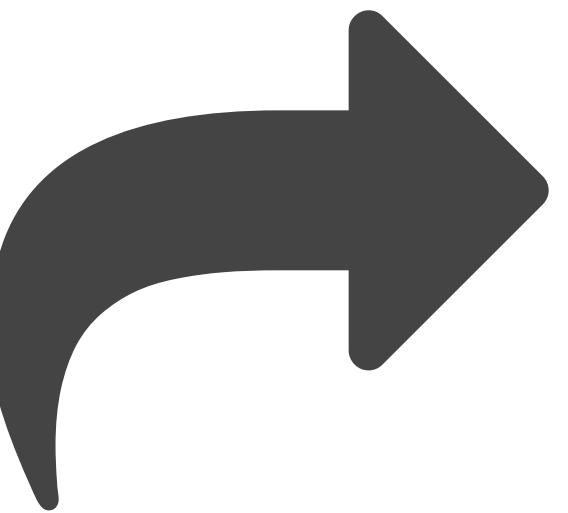
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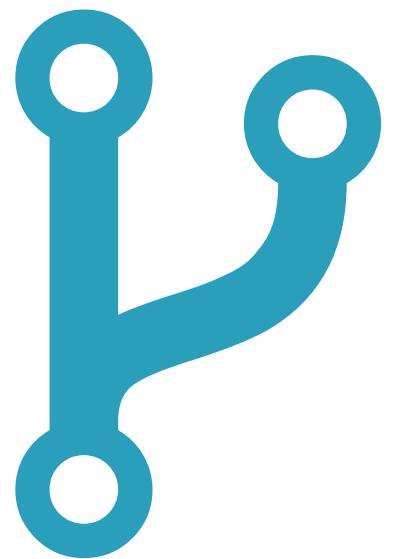
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Long-running



Public



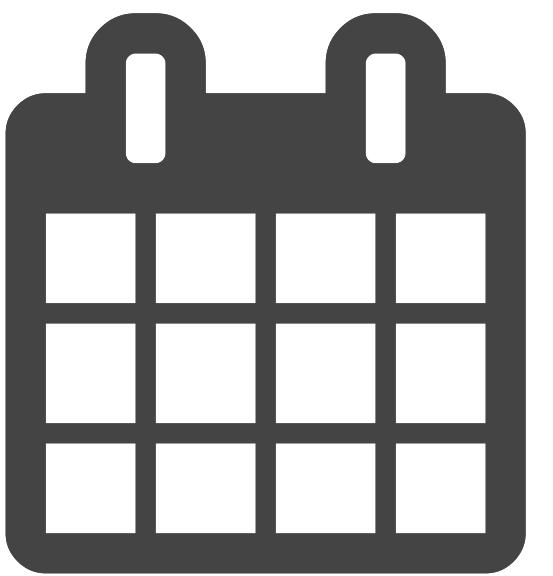
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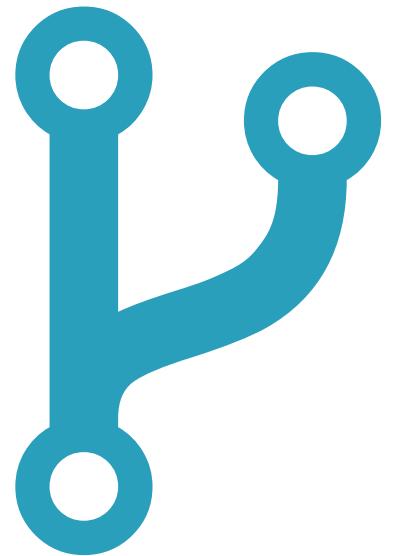
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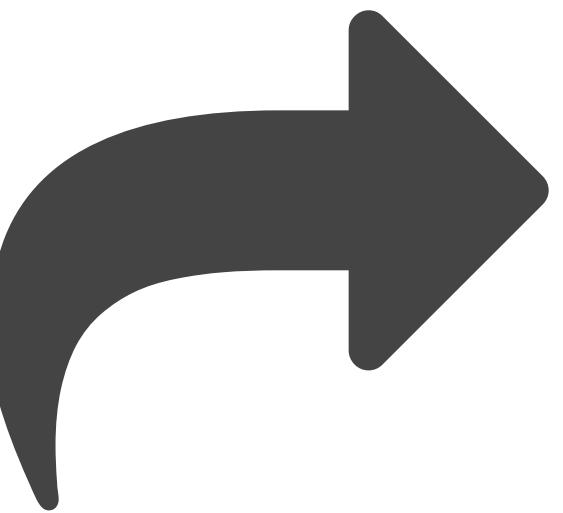
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Long-running



Topic



Public

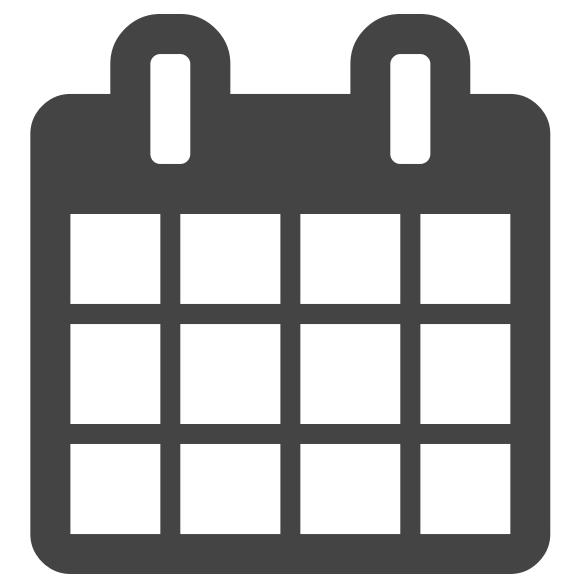


Private

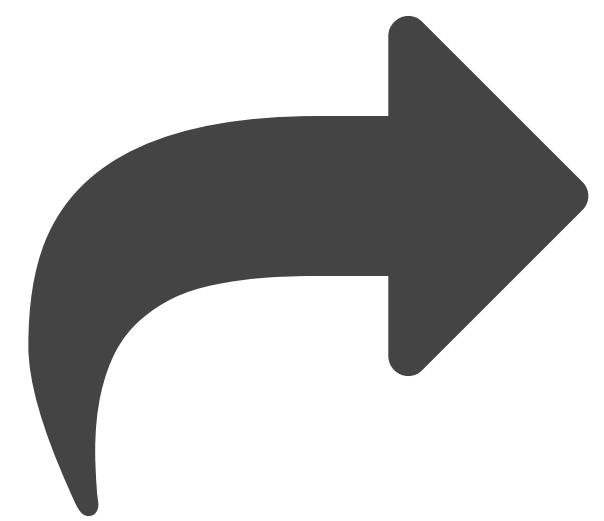


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Be Conservative

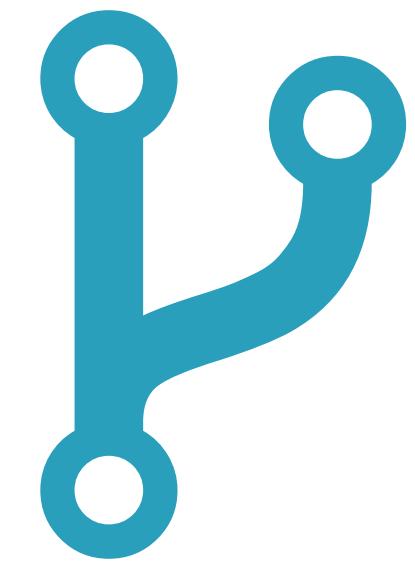


Long-running



Public

Be Liberal



Topic



Private

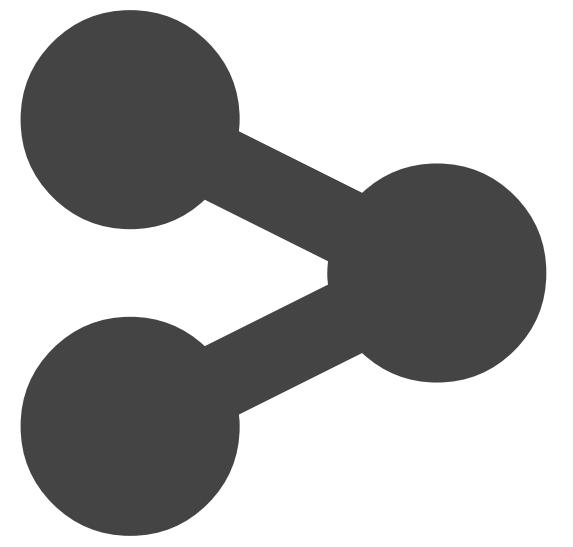


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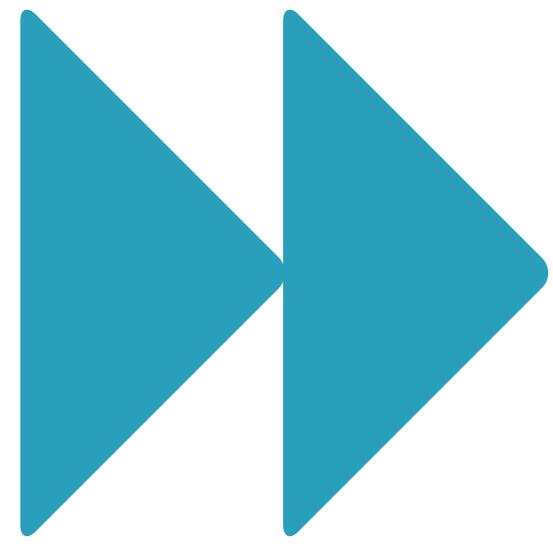


② Merging

Let the branches decide
your [merge strategy](#)



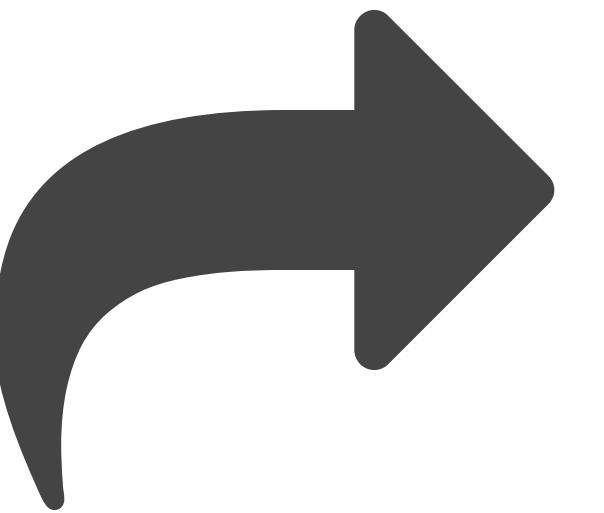
True Merge



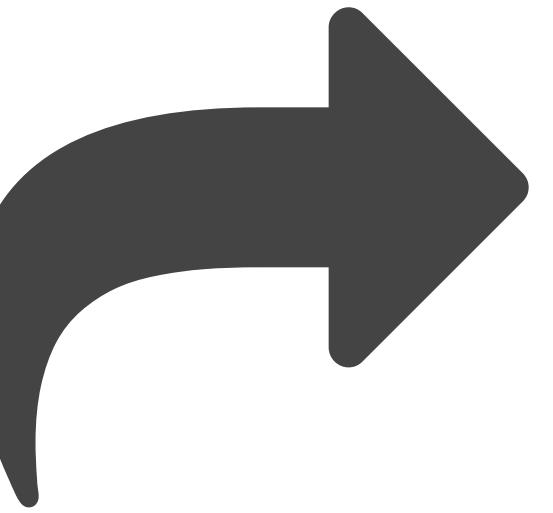
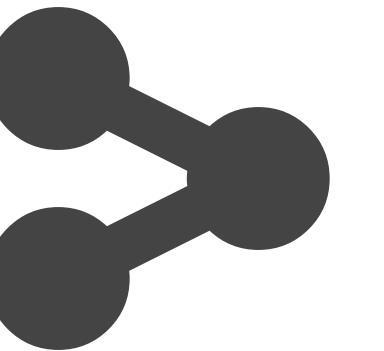
Rebase



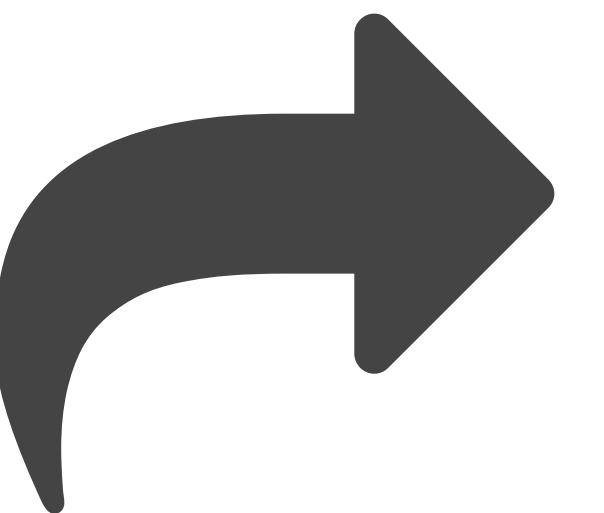
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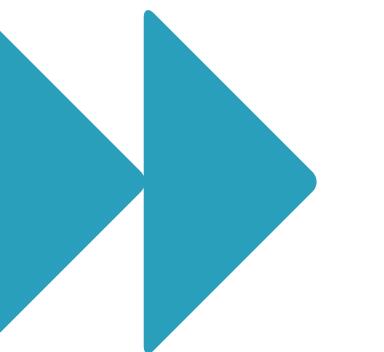
Public



Public



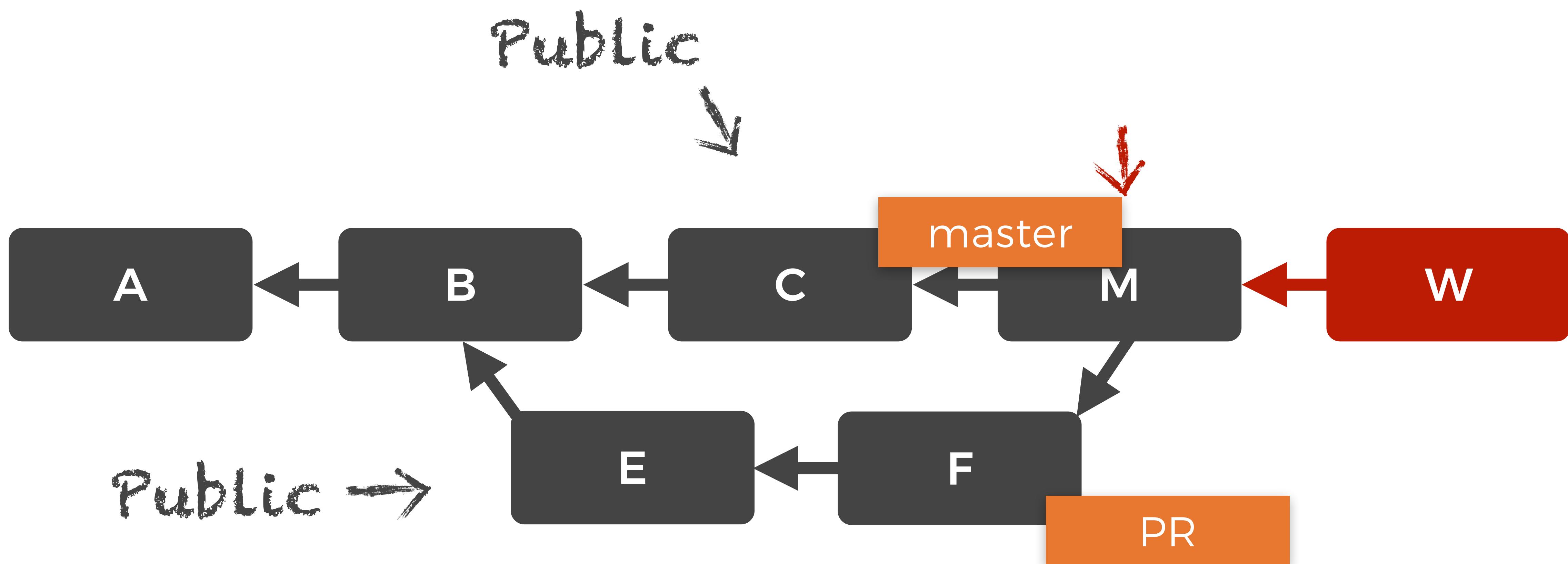
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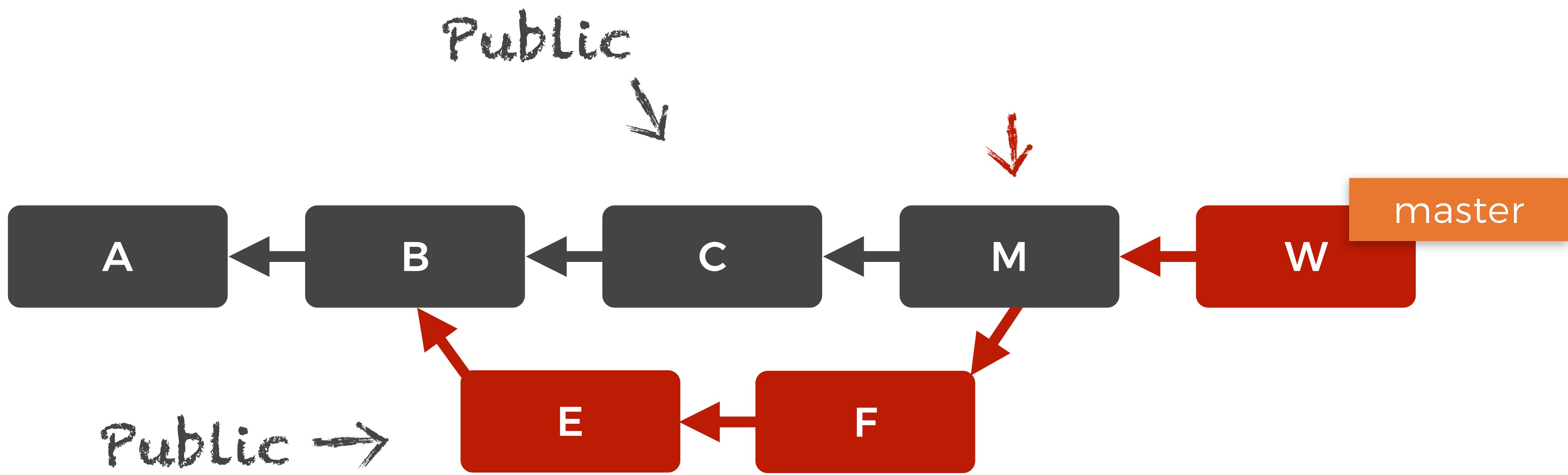
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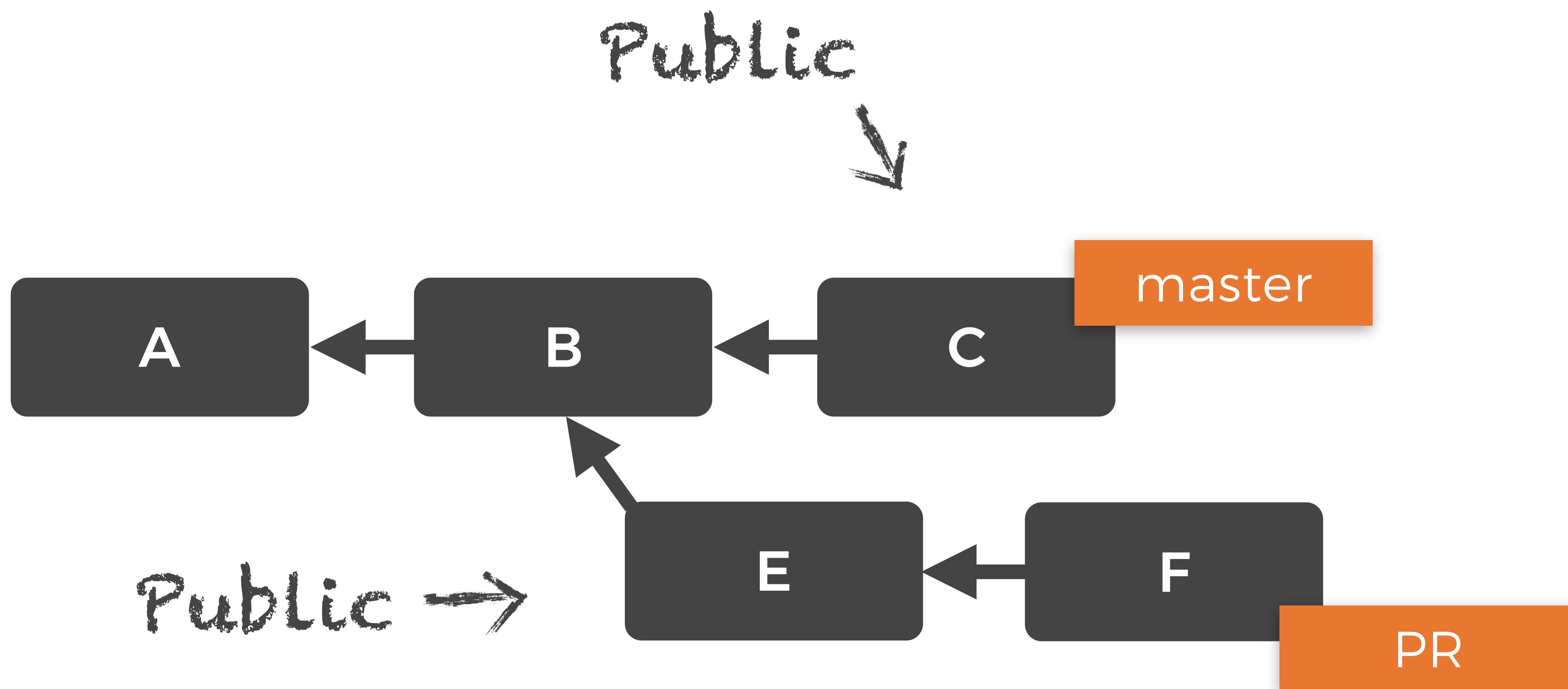


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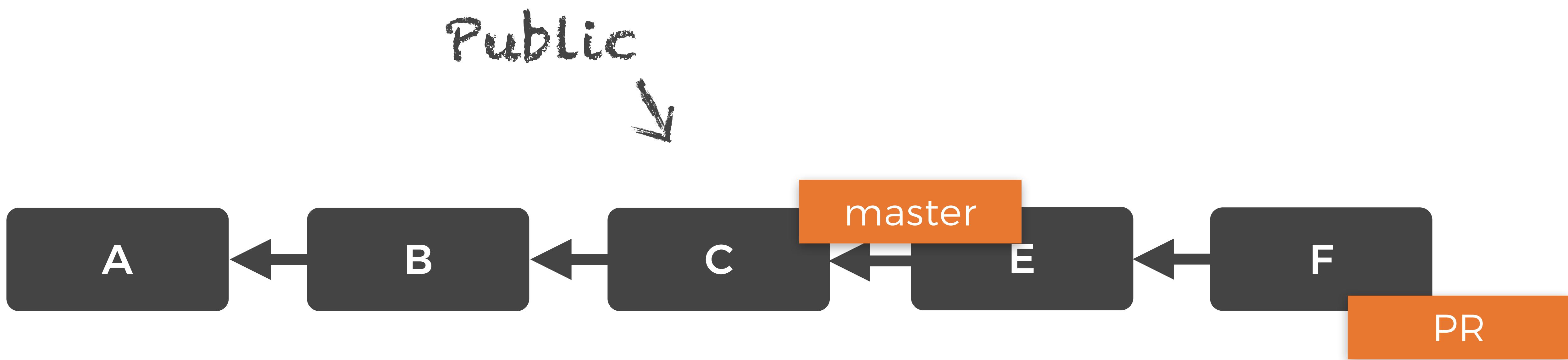


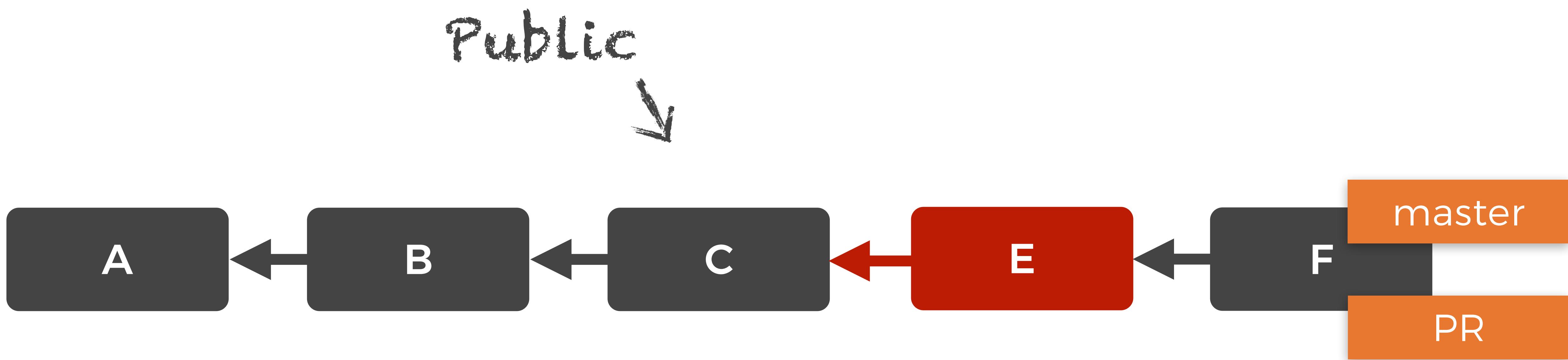
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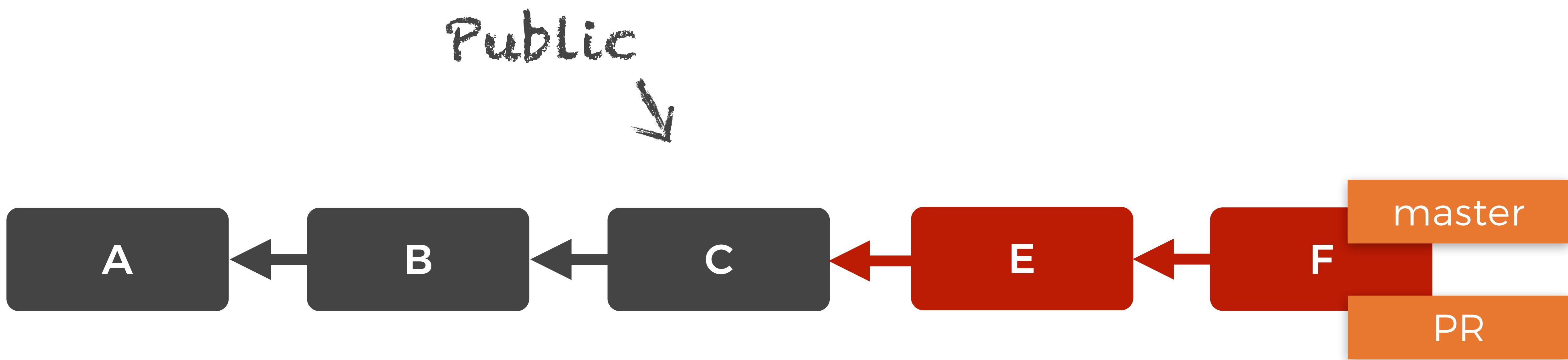


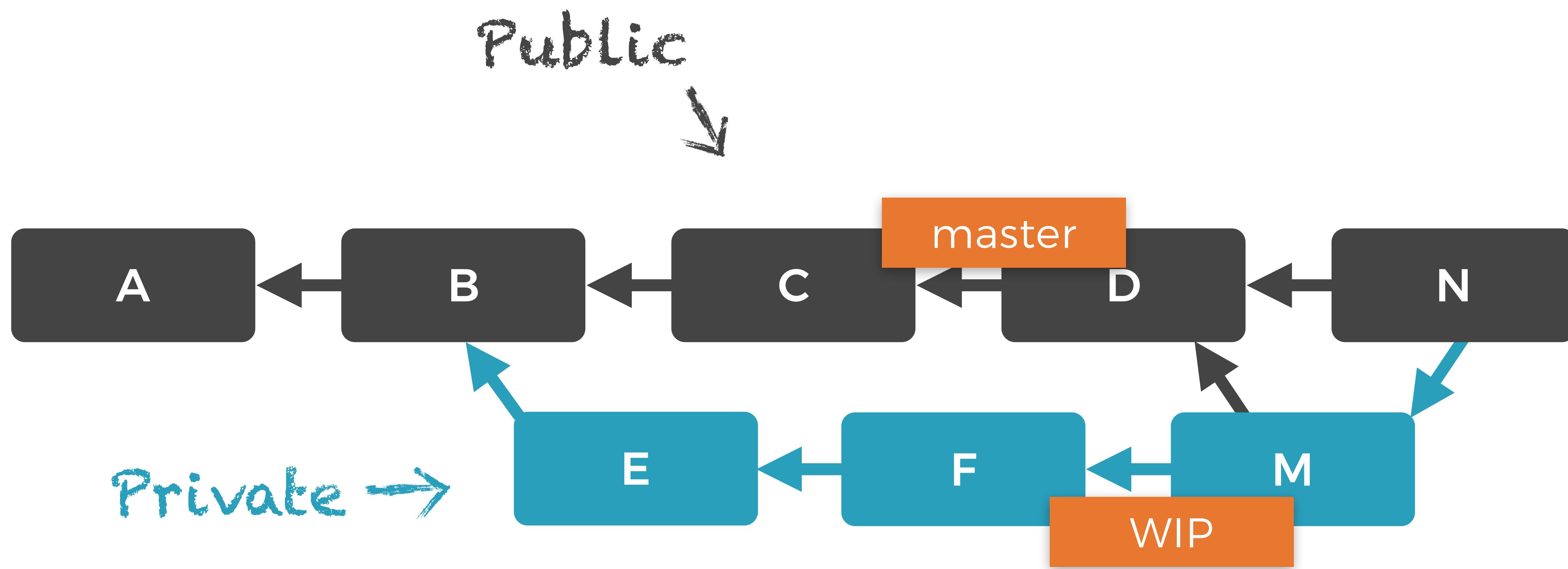


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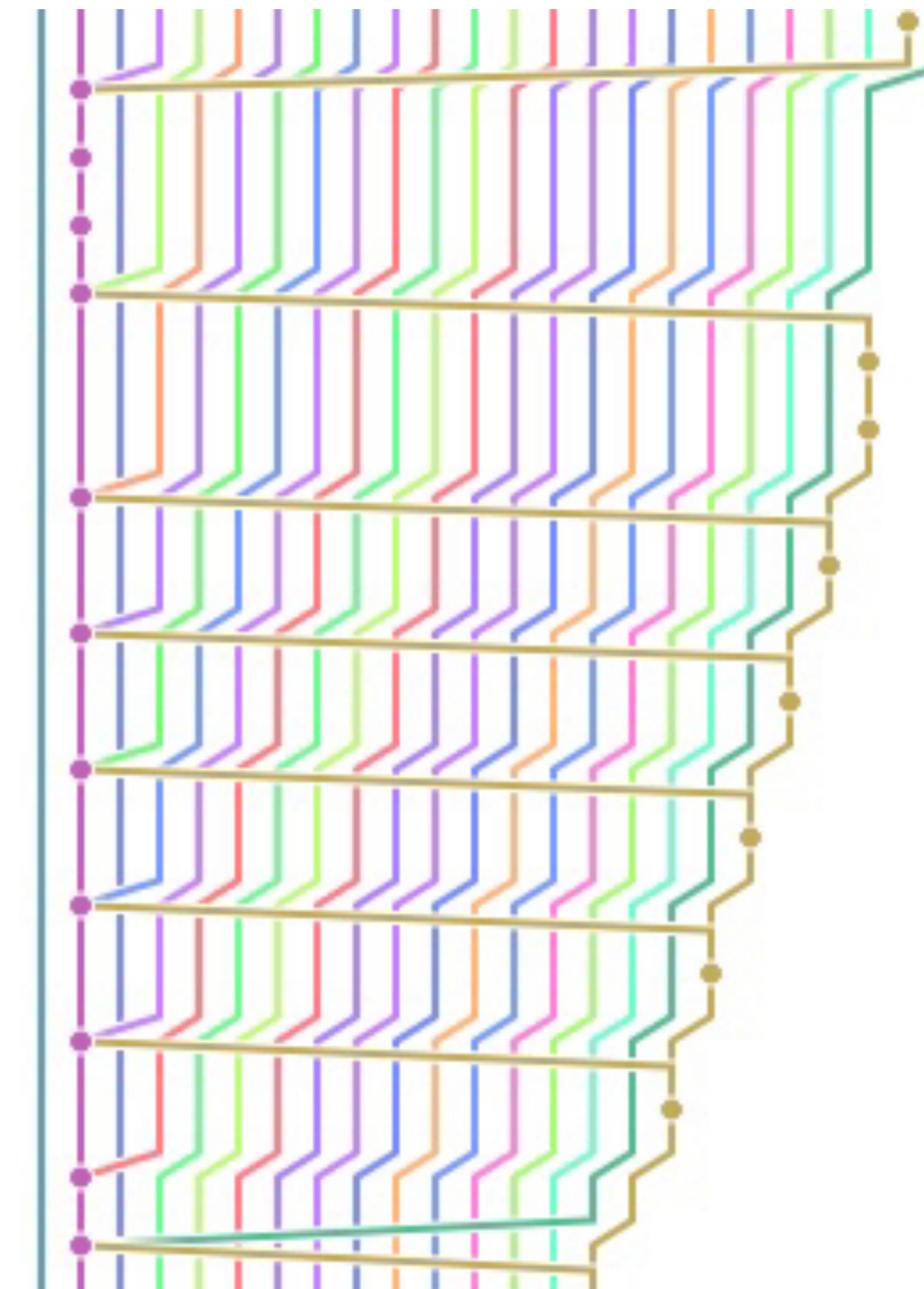




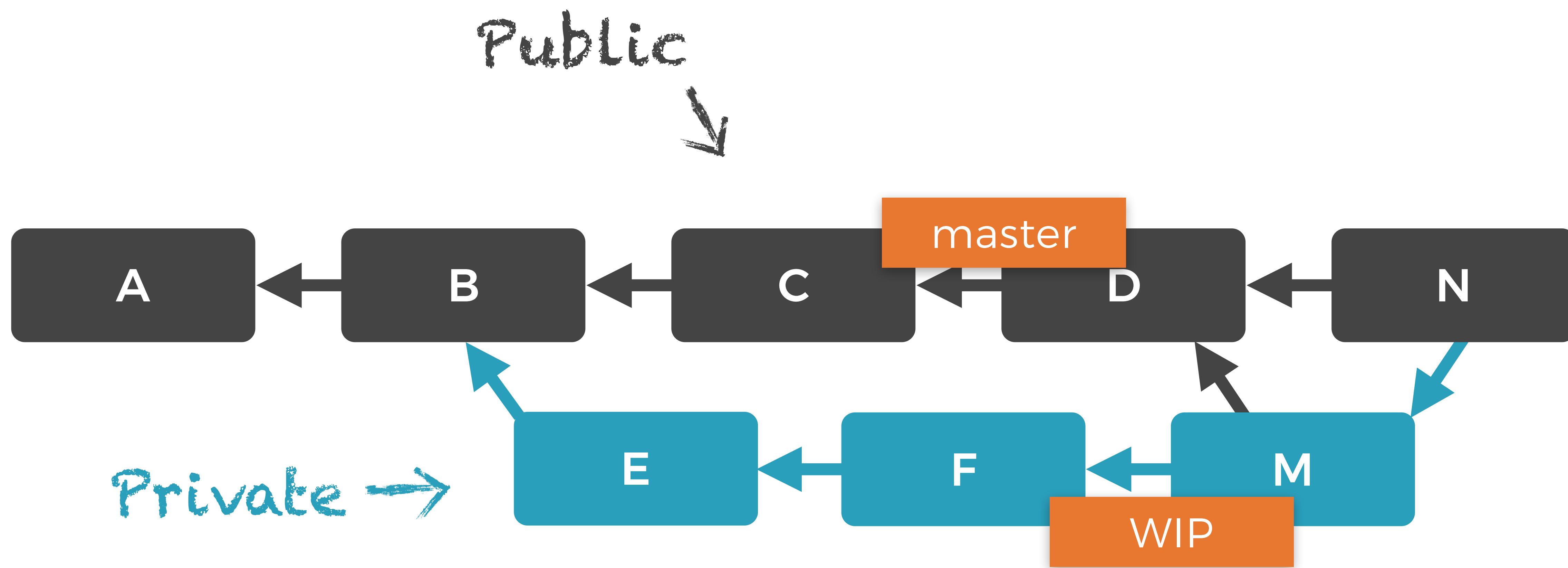


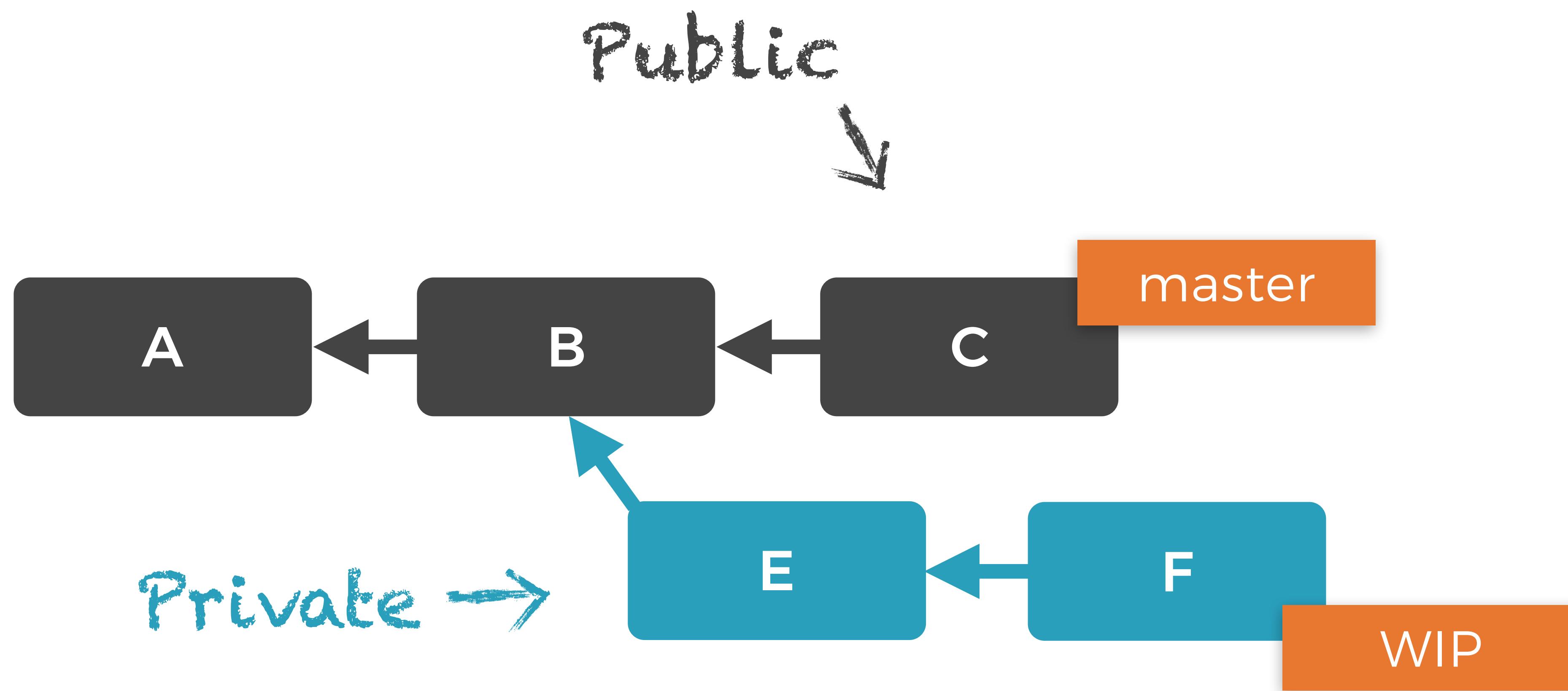


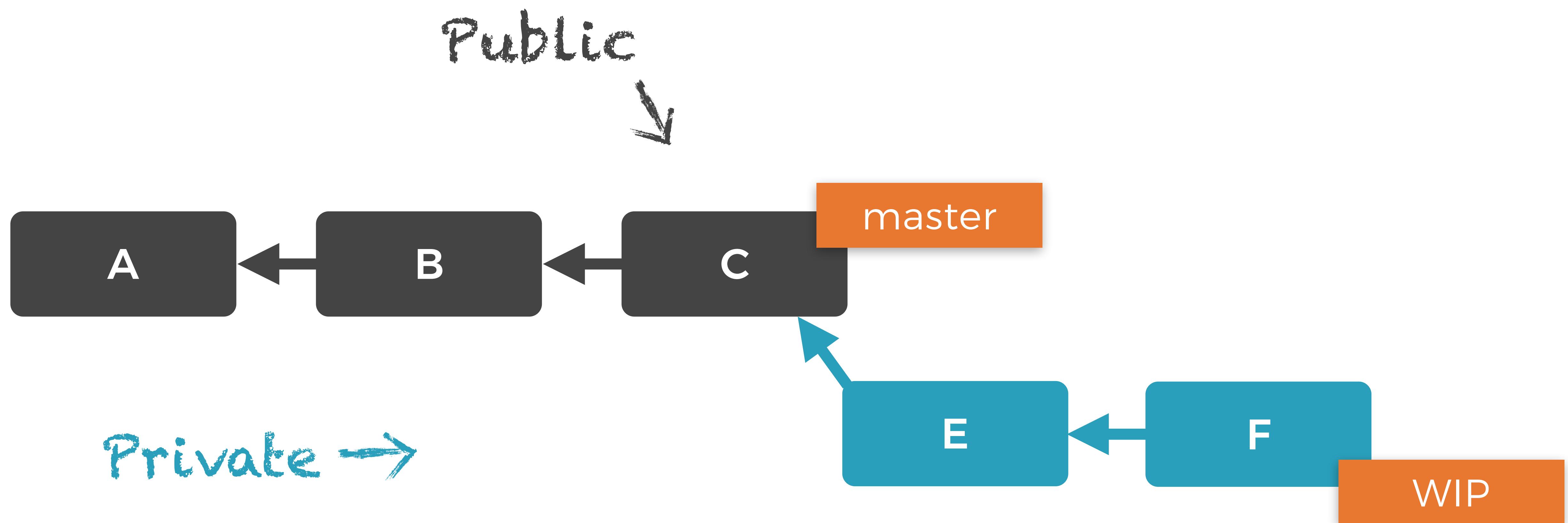
Guitar Hero →
History





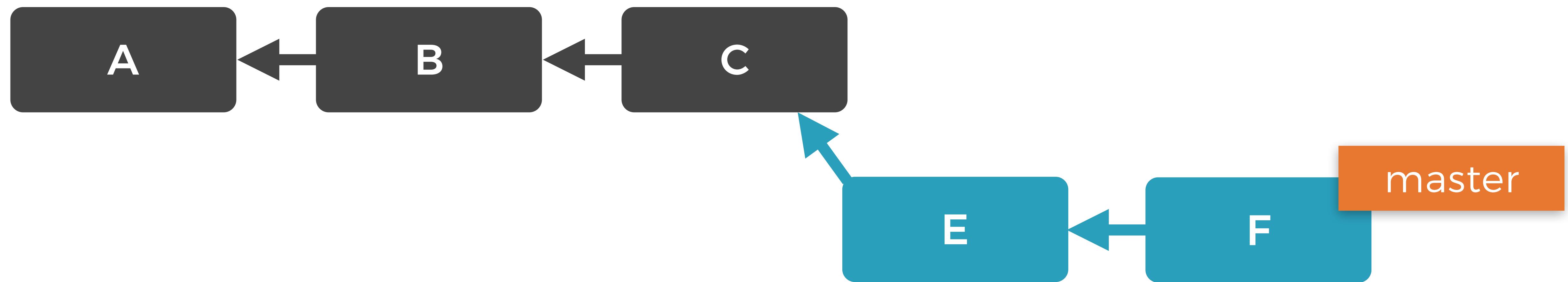




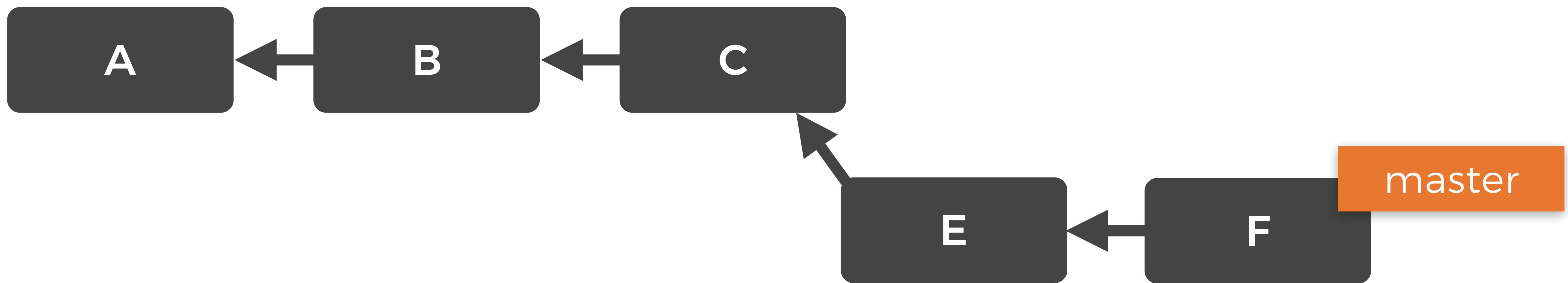


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Public



Public





③ Releasing

Map your branches to
your release environments

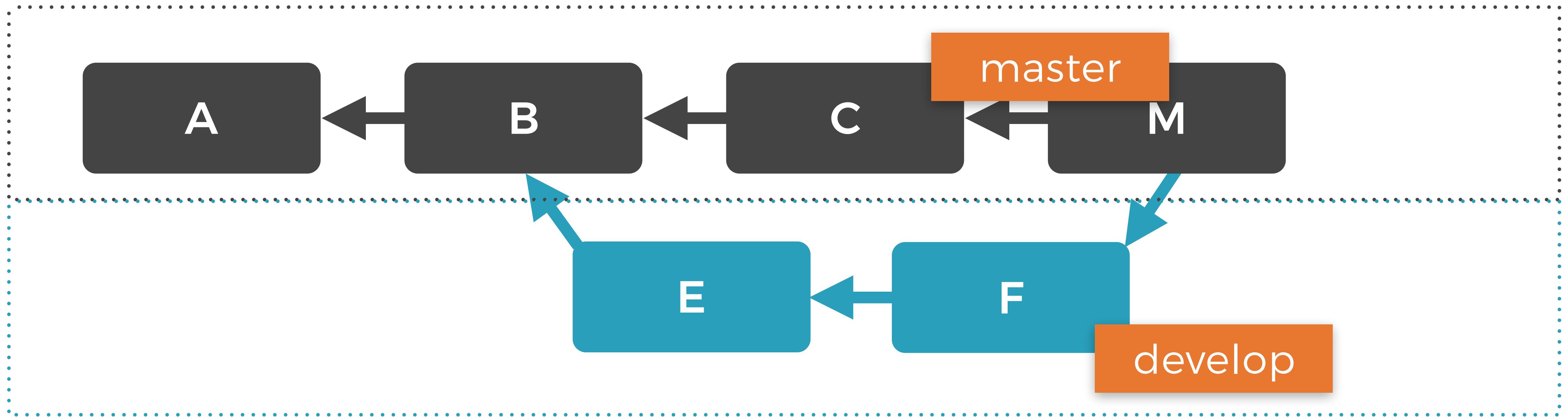


③ Releasing

Know where your branches are going



Continuous Delivery



Continuous Deployment

Test ✓

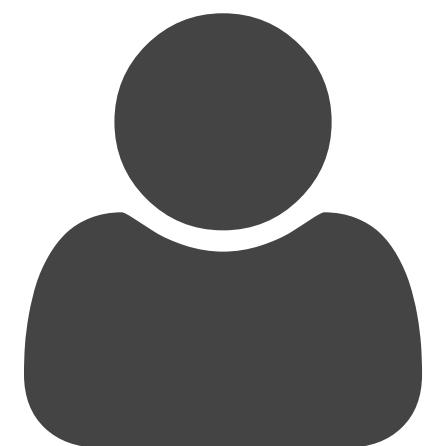
Test ✓



③ Releasing

Let your branches determine
your [versioning scheme](#)

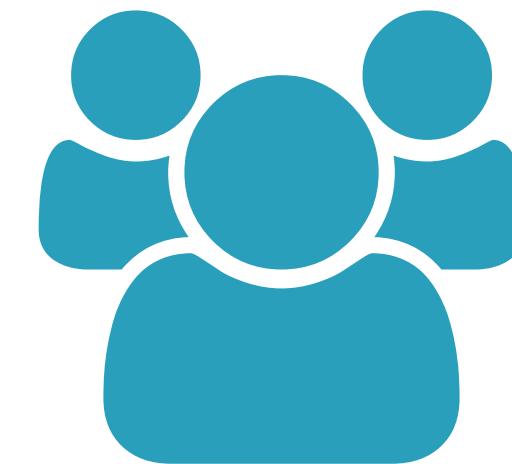
Let's Wrap Up



① Get Comfy

② Craft History

③ Automate!



① Branching

② Merging

③ Releasing



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Pluralsight | Advanced Git Tips and Tricks

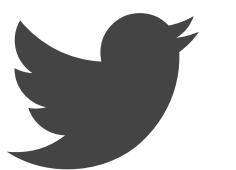


bit.ly/git-tips-tricks



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Thank you.



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megakemp.com/git



bit.ly/git-tips-tricks



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