

CFD SOURCE CODE MANAGEMENT WITH GIT AND GITHUB

- Seminars in Fluid mechanics

Oct. 16, 2020
Lund, Sweden

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Dept. of Energy Sciences
Lund University



Source Code Management

Version Control
- git

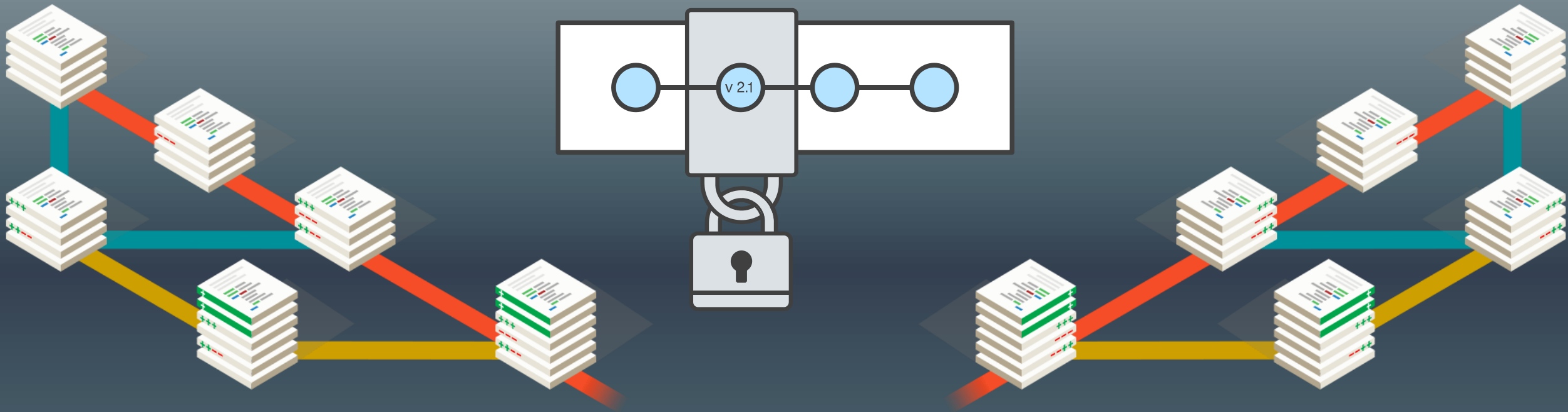
Teamwork
- github





Source Code Management

Version Control
git



"FINAL".doc



FINAL.doc!



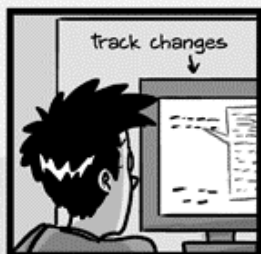
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FINAL_rev.6.COMMENTS.doc



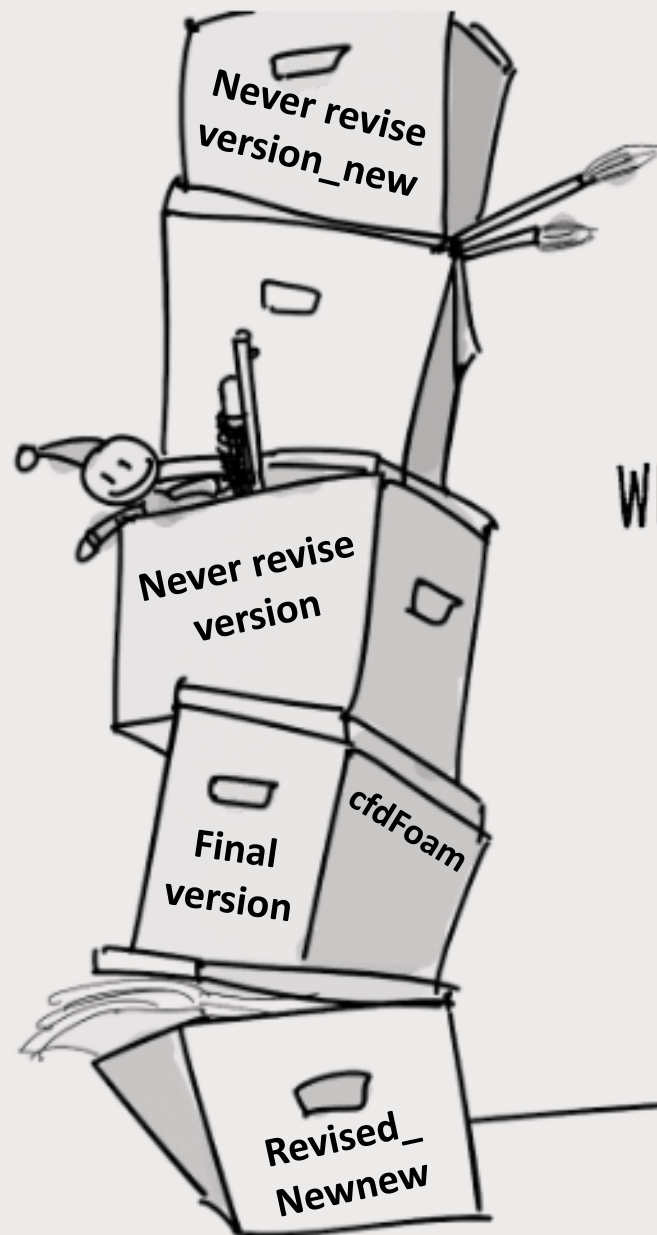
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CORRECTIONS.doc



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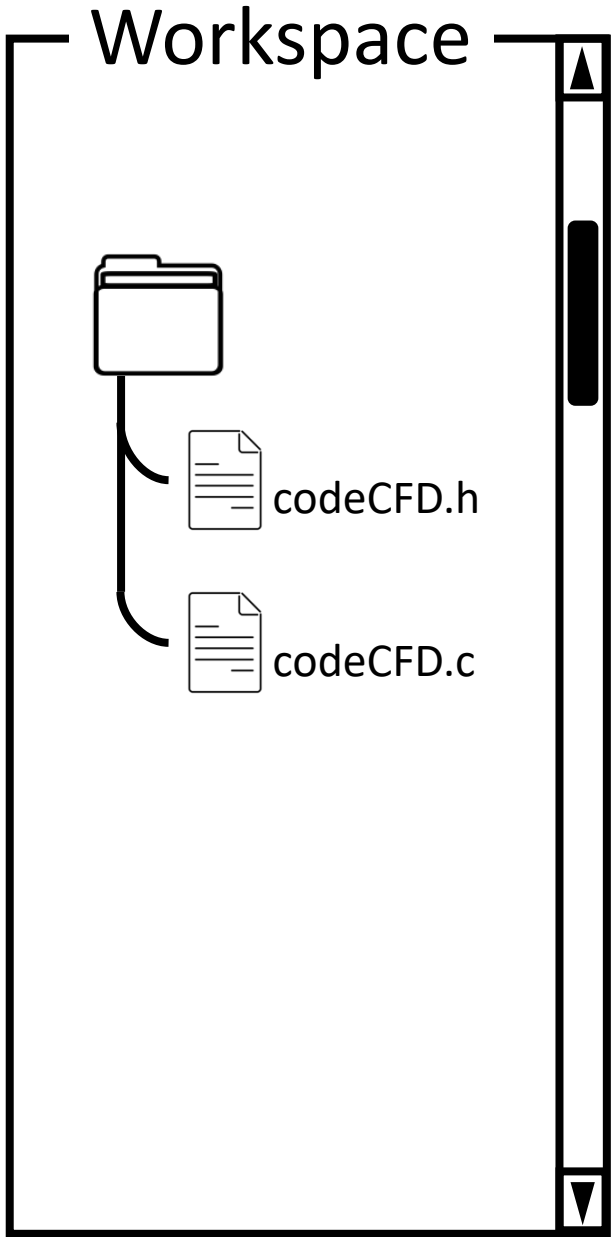


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ICOMETOGRADSCHOOL????.doc



WHICH VERSION I USED
LAST WEEK?

©komikaki.ru



init

Workspace



codeCFD.h



codeCFD.c

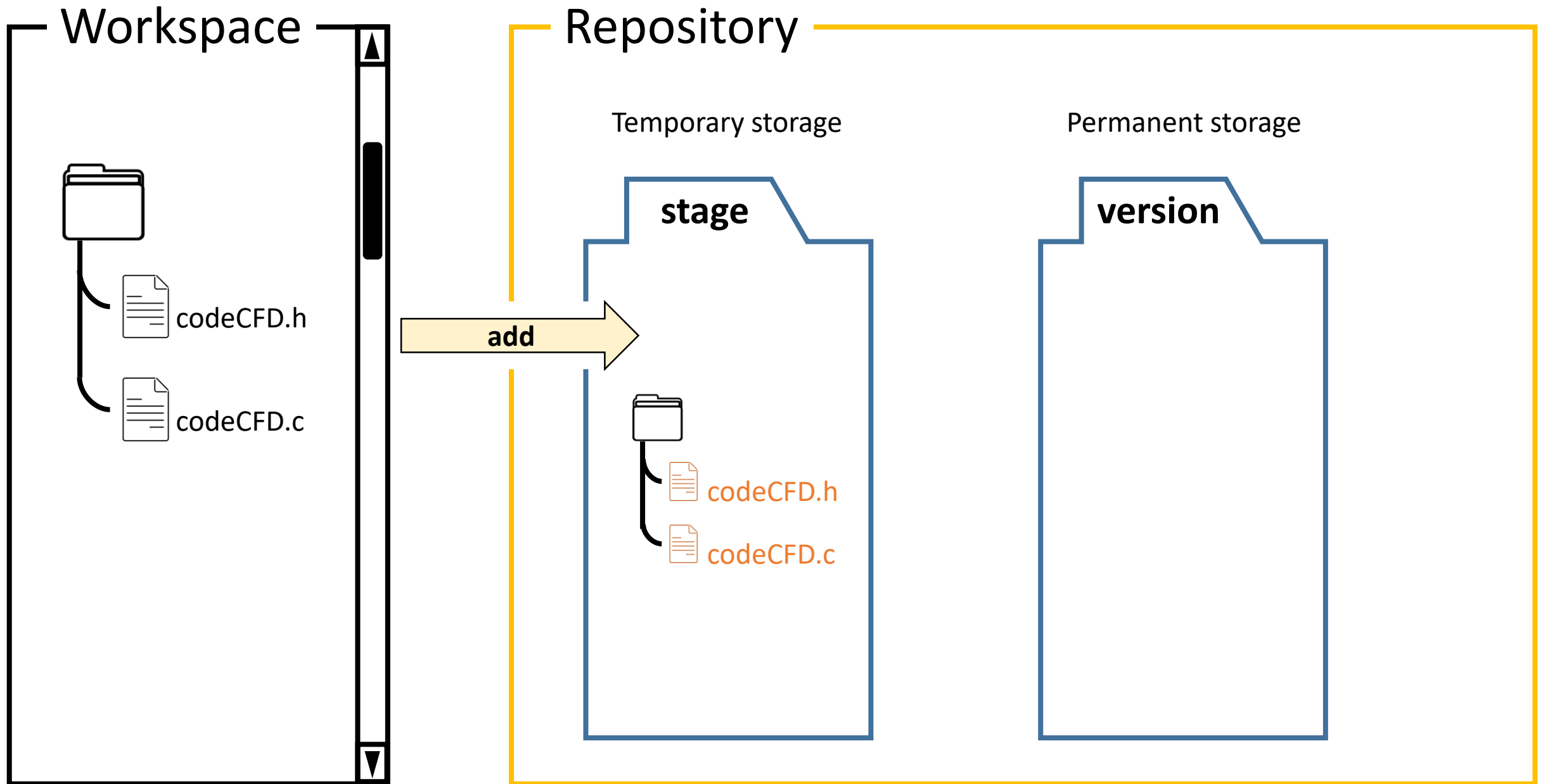
Repository

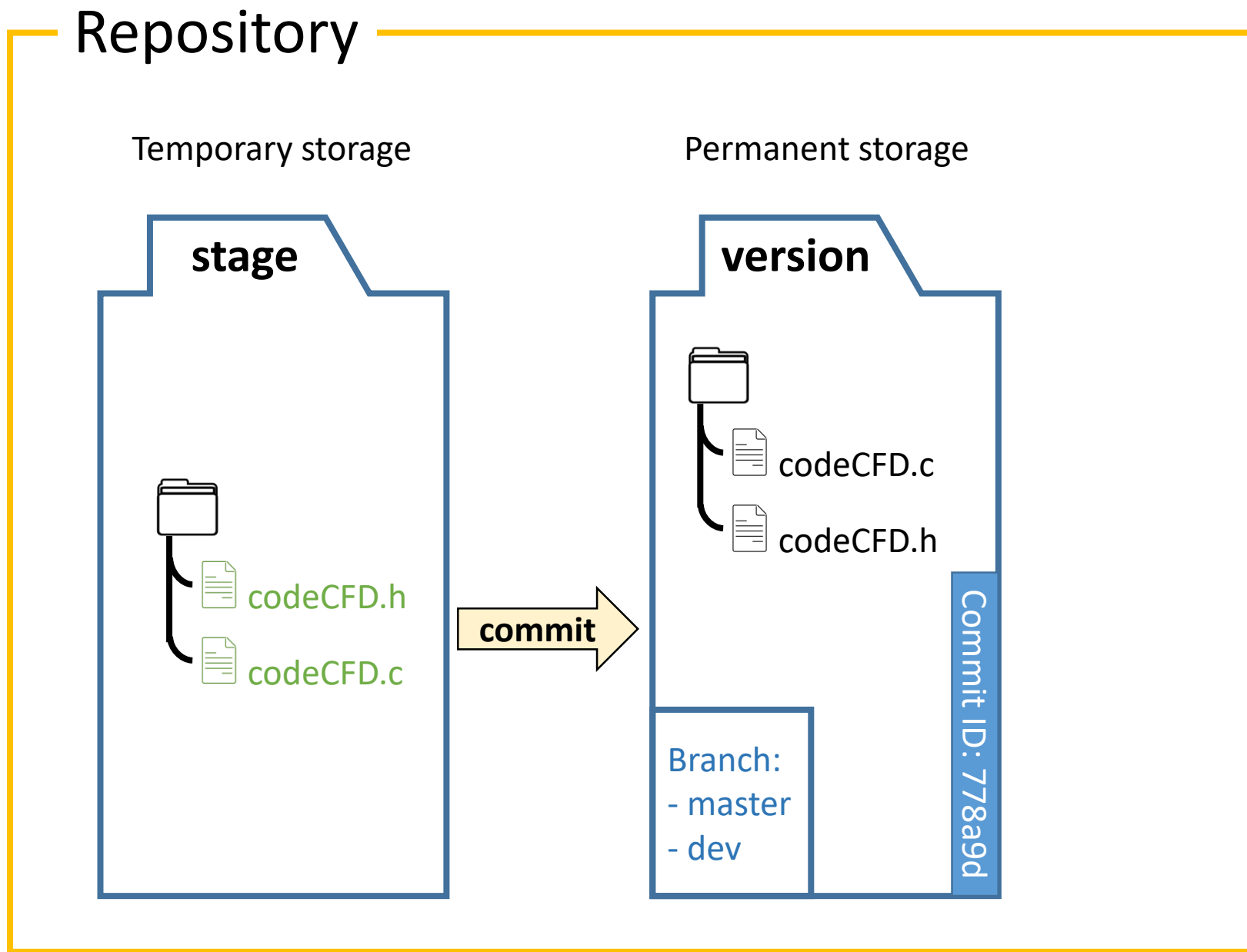
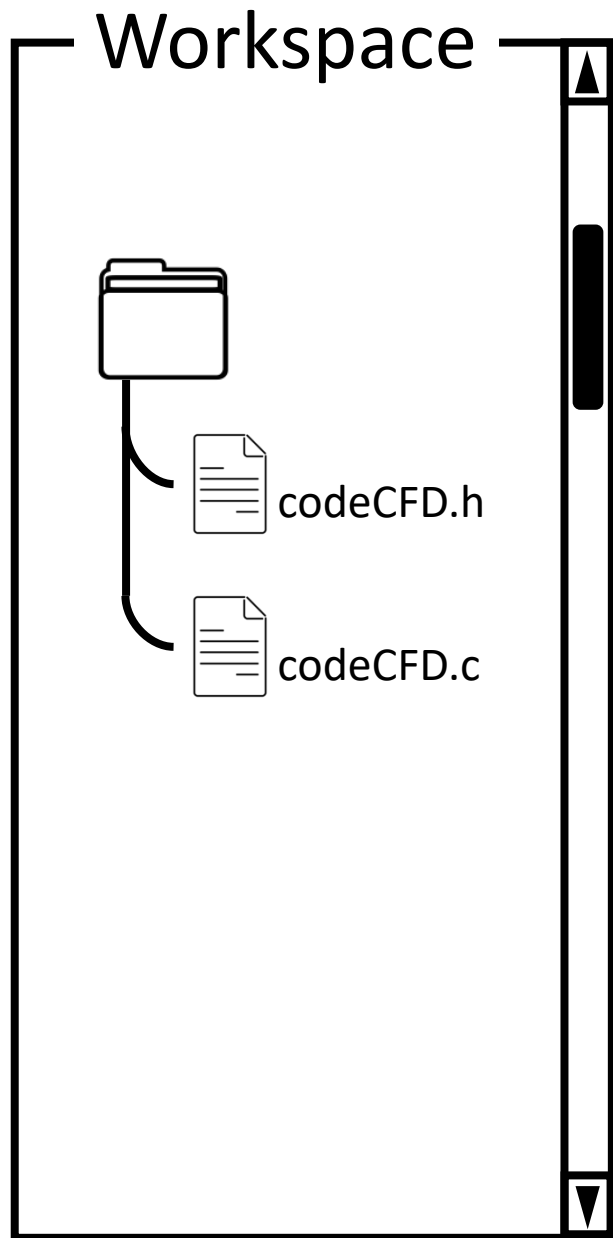
Temporary storage

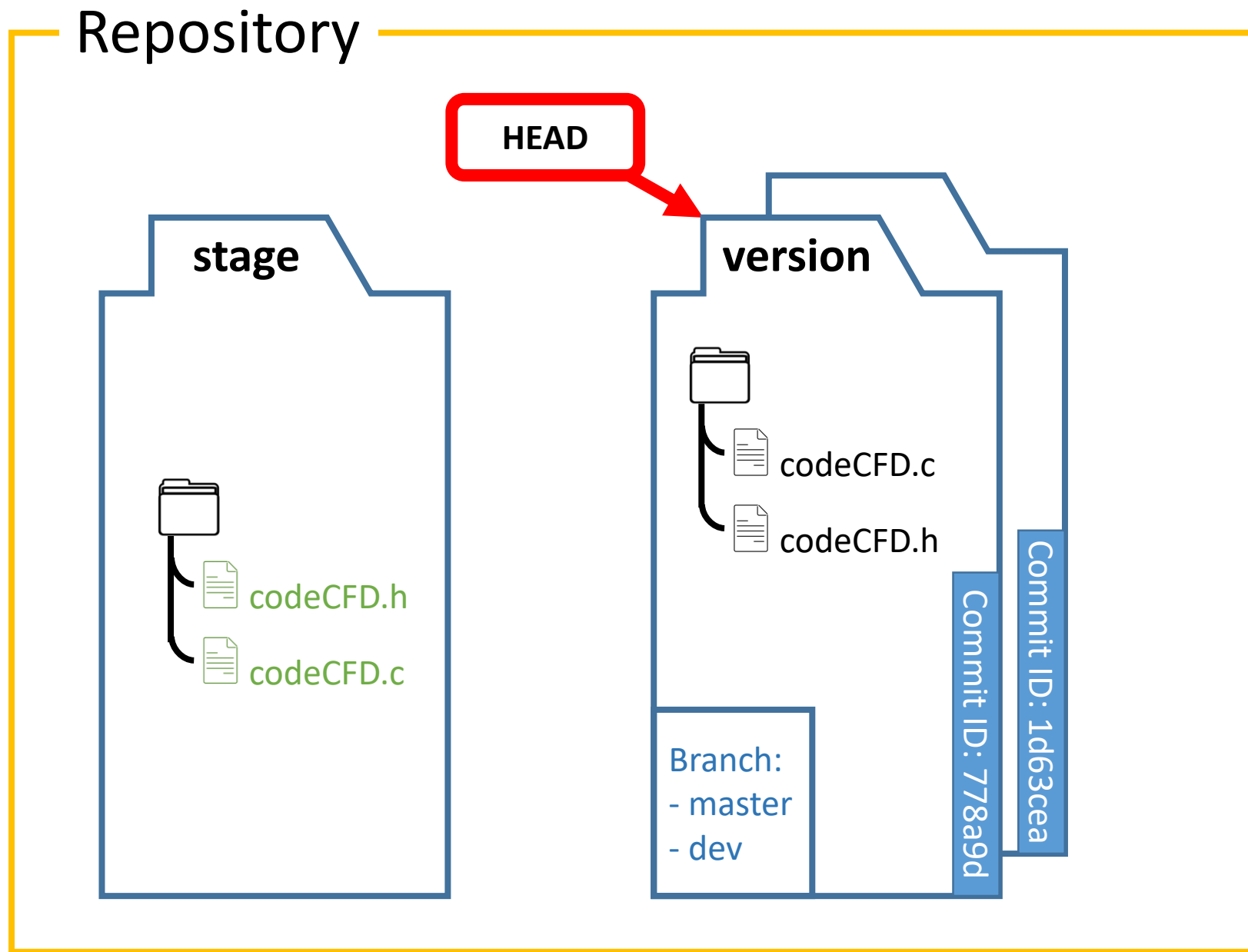
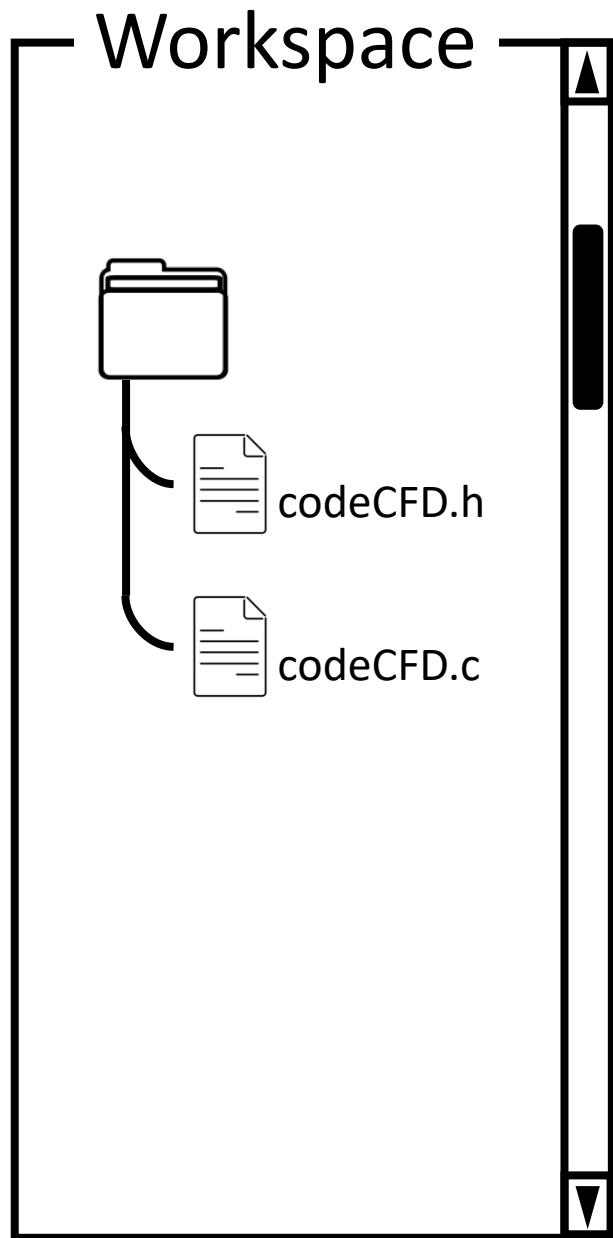
stage

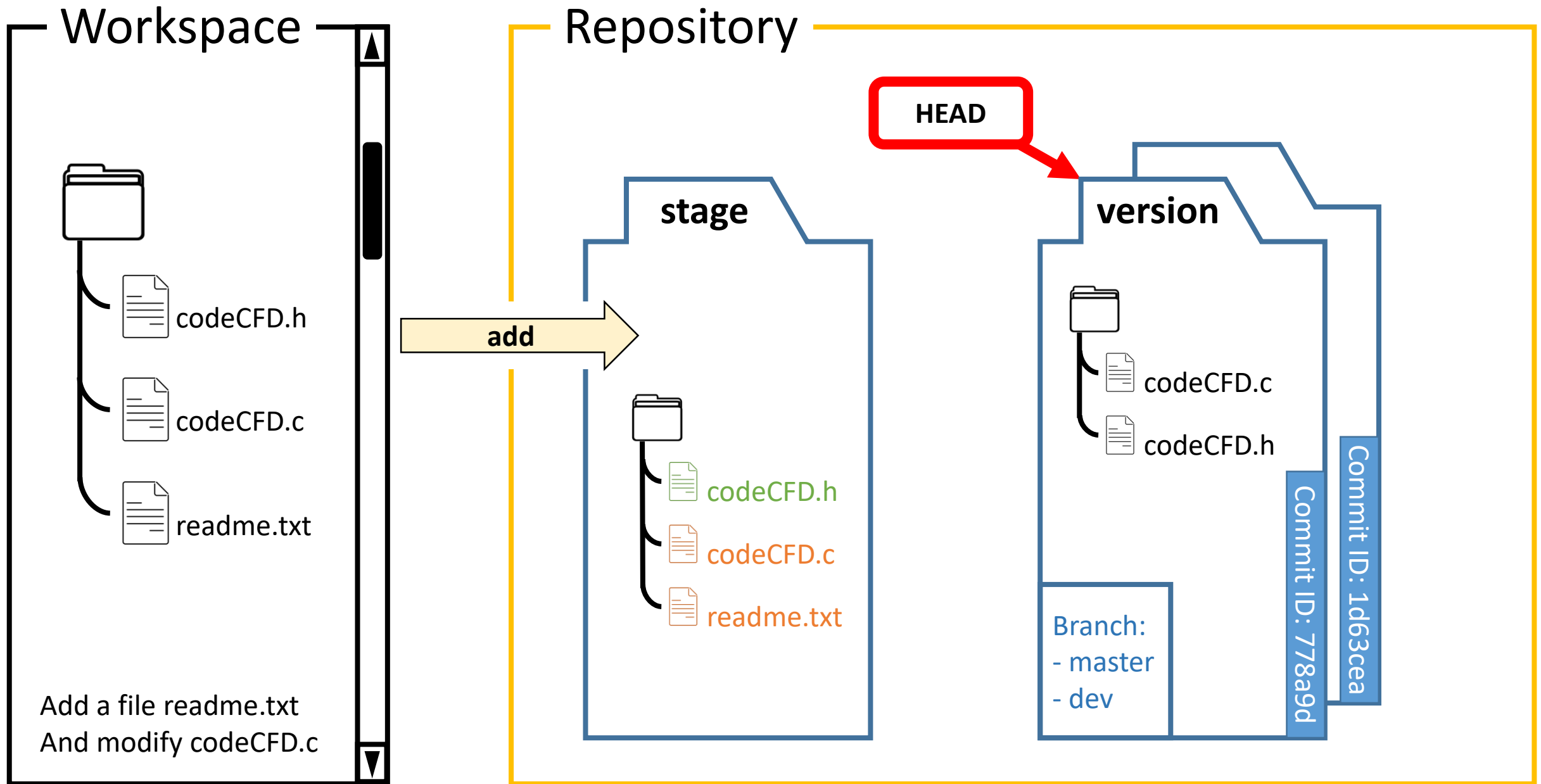
Permanent storage

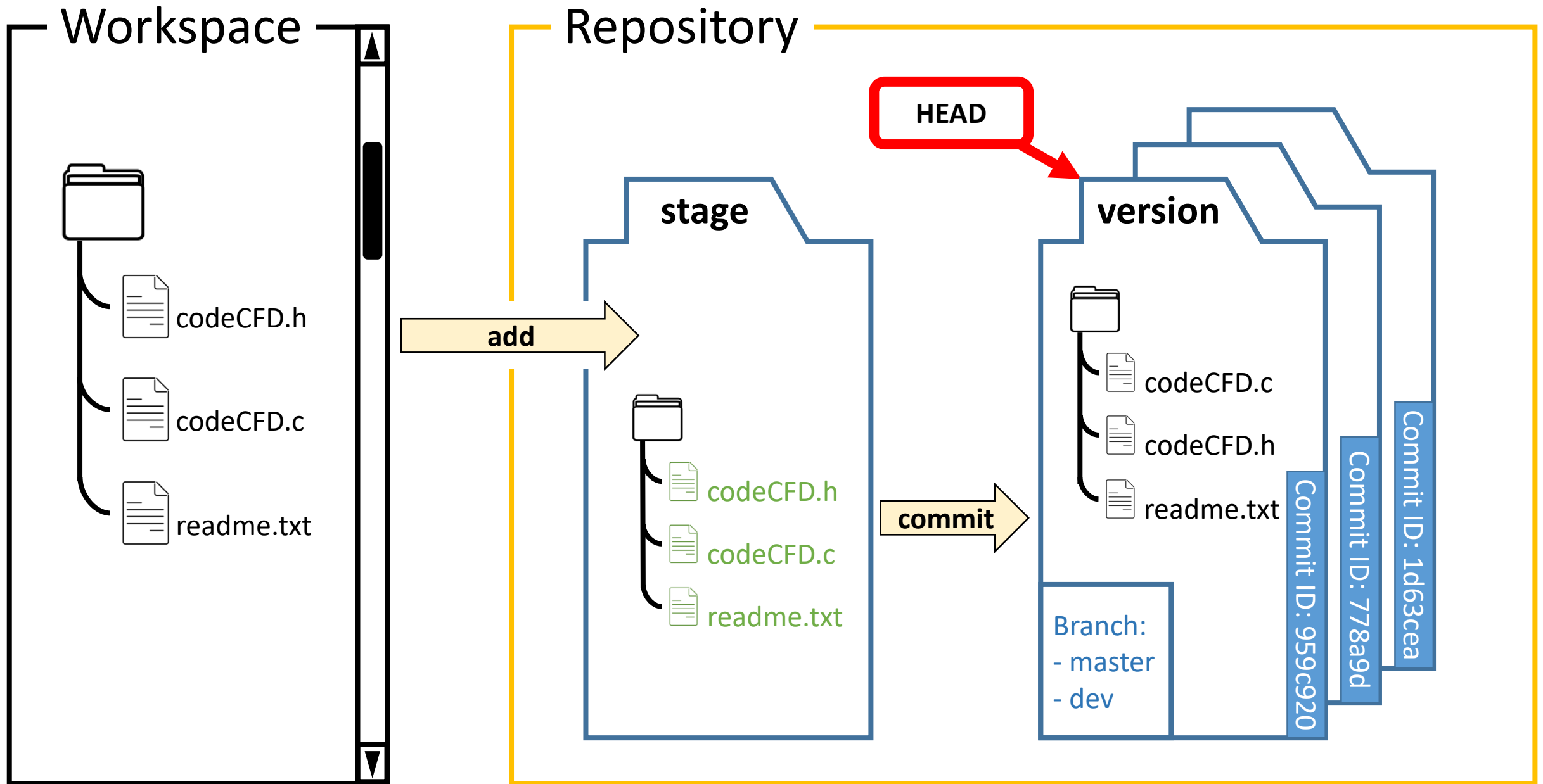
version

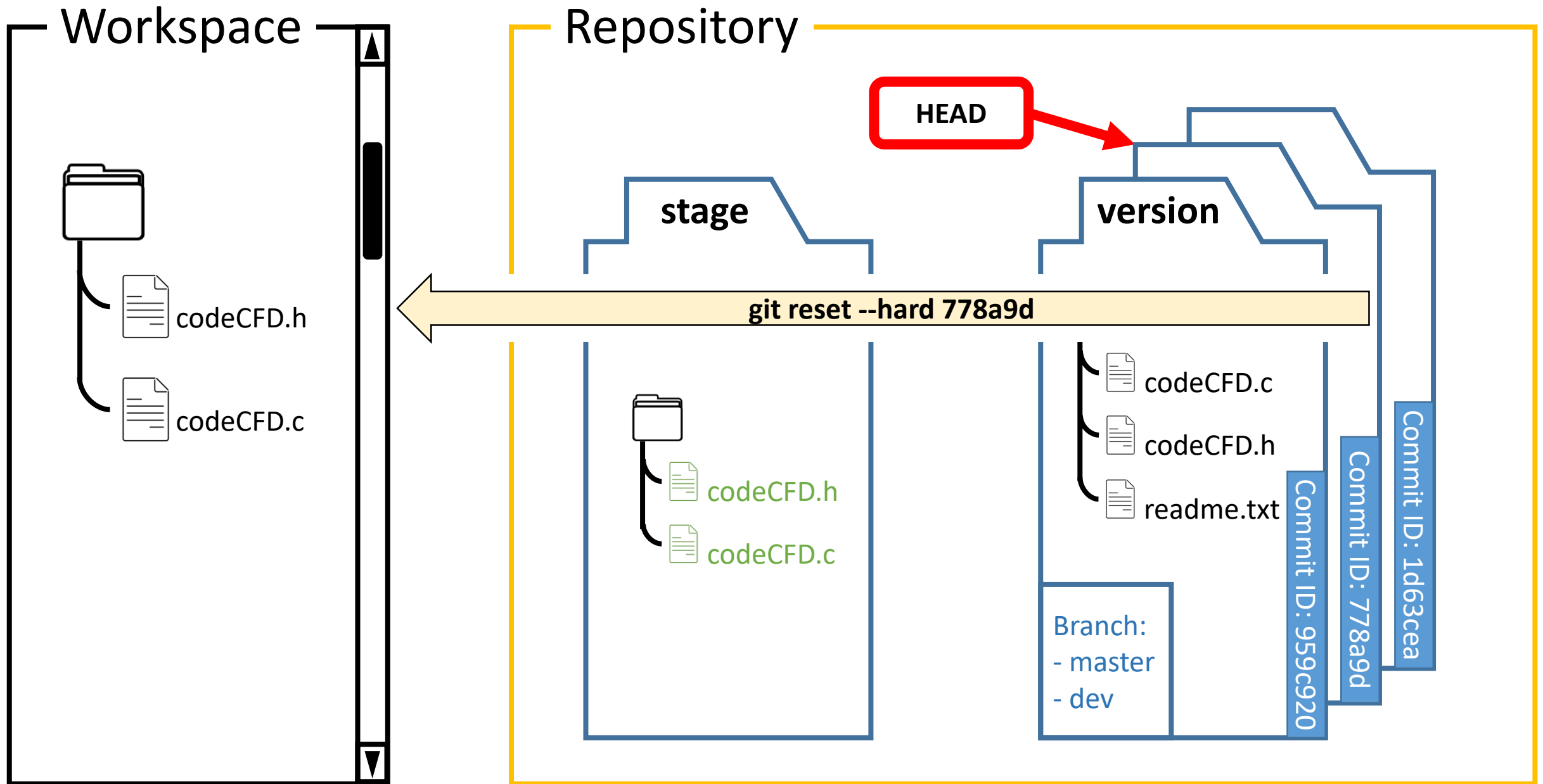












How to install and use git?



GUI (Graphical User Interface):

- Github desktop software



CLI (Command-Line Interface)

- Official document: <https://git-scm.com/docs>
- My Blog: <https://zmeng.tech/2020/06/GitUsage/>

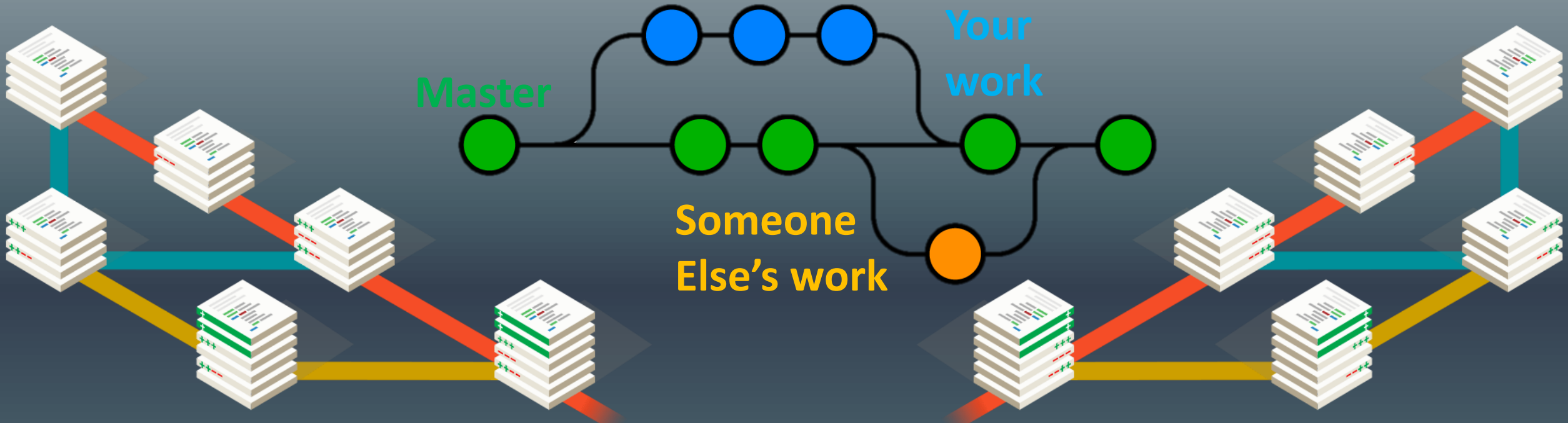
An example of CLI git usage



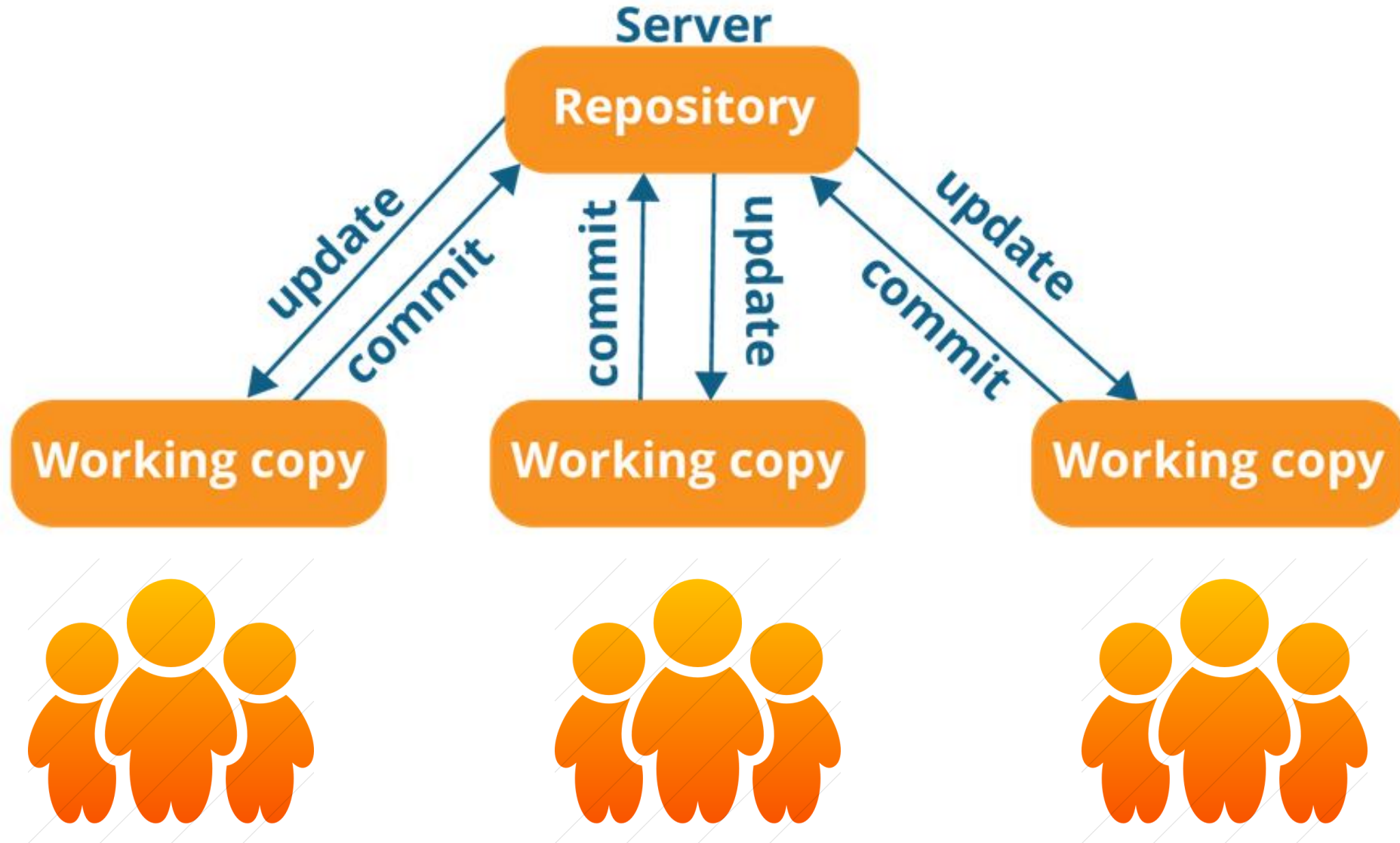


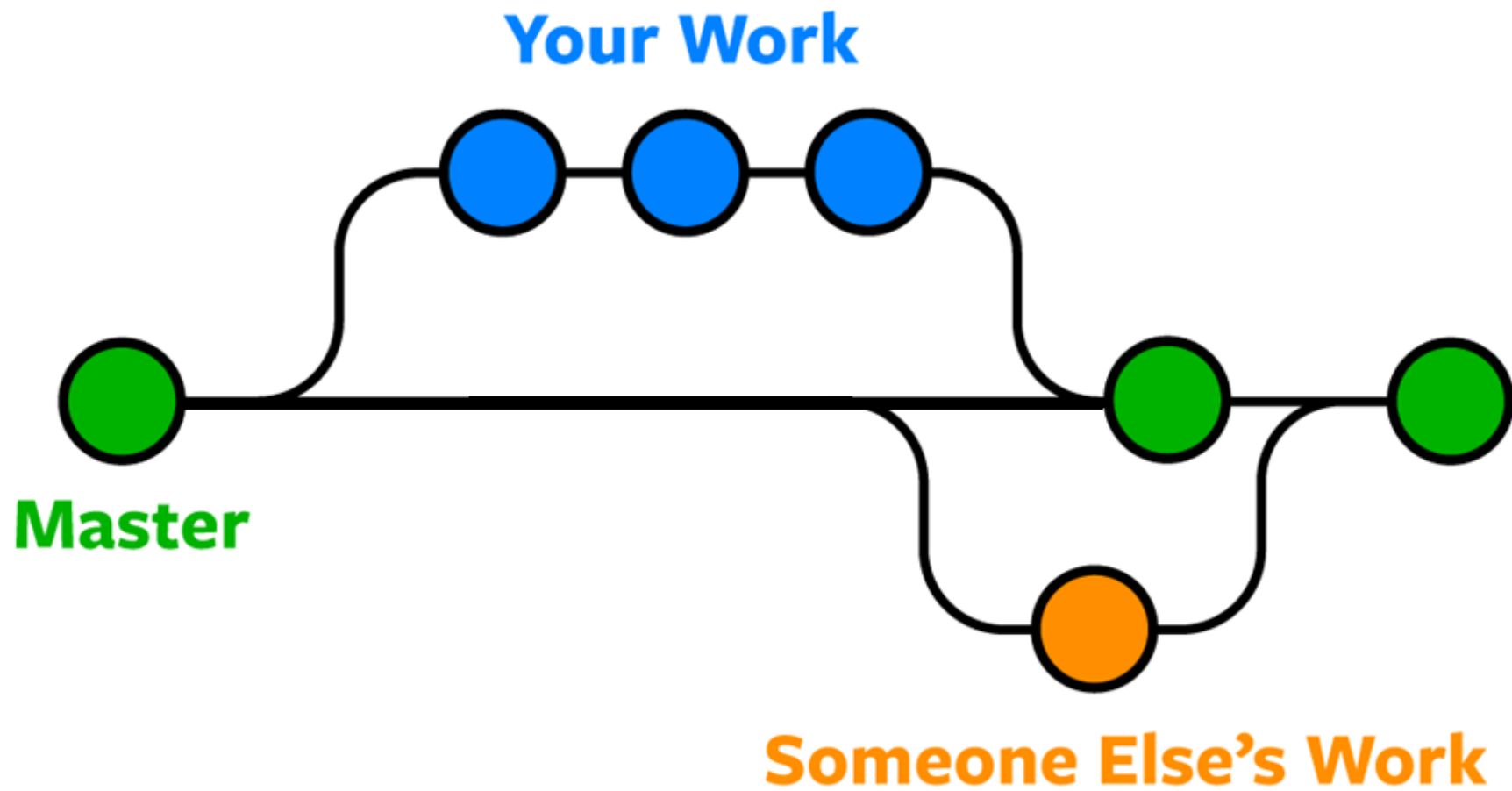
Source Code Management

Teamwork
- github



Centralized version control system





Fluid Mechanics at Lund University

https://github.com/Fluid-Mechanics-Lund-University

Apps Bookmarks 收藏到有道云笔记 Other bookmarks

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

Fluid Mechanics

Fluid Mechanics at Lund University

The division belongs to the department of Energy Sciences at Lund Institute of Technology.

Lund, Sweden http://www.fm.energy.lth.se/english/

Repositories 7 Packages People 7 Teams Projects Settings

Lund

Type: All Language: All Customize pins New

1 result for repositories matching Lund

Clear filter

LundFMFoam Private

The code is developed by Division of Fluid Mechanics, Lund University [Bai's group](http://www.fm.energy.lth.se/english/)

C++ 0 0 0 0 Updated on Jul 19

Top languages

C++ Shell C

People 7 >

Invite someone

Github Organization

Webpage:

<https://github.com/Fluid-Mechanics-Lund-University>

Repositories:

Private and public

People:

Group member,
Collaborators

Permissions:

Repository permissions
for admin, group
member and
collaborators

How to use github?

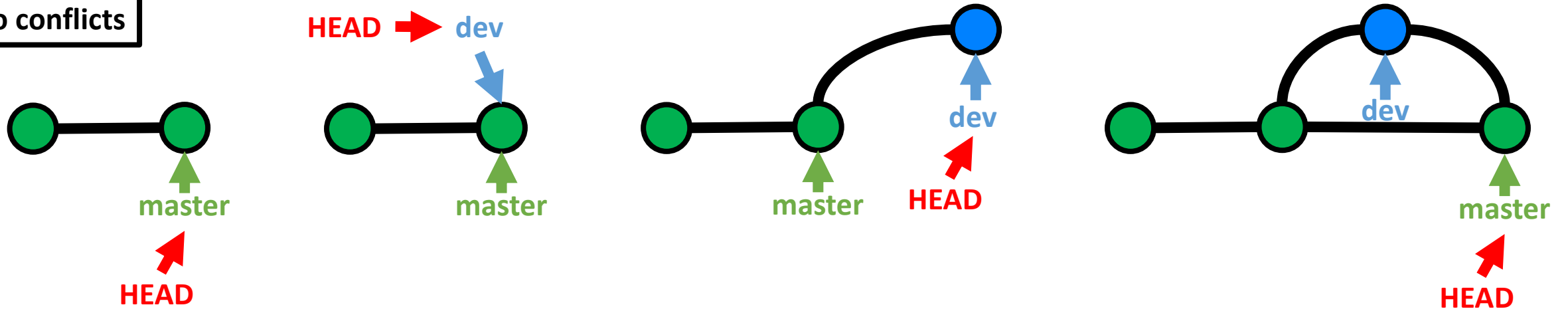


An example of Github teamwork.

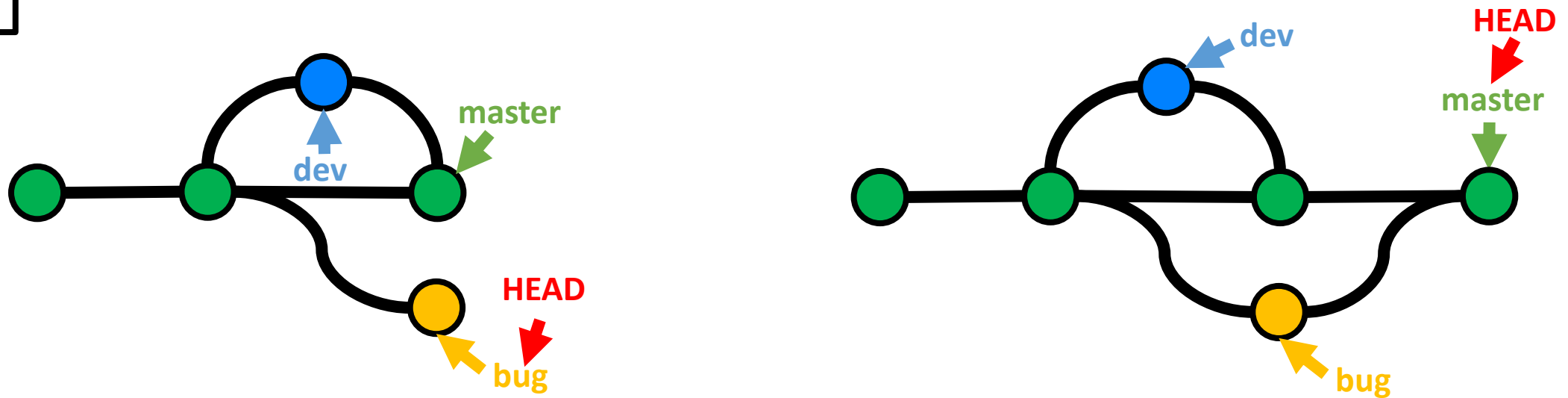


Appendix: branches

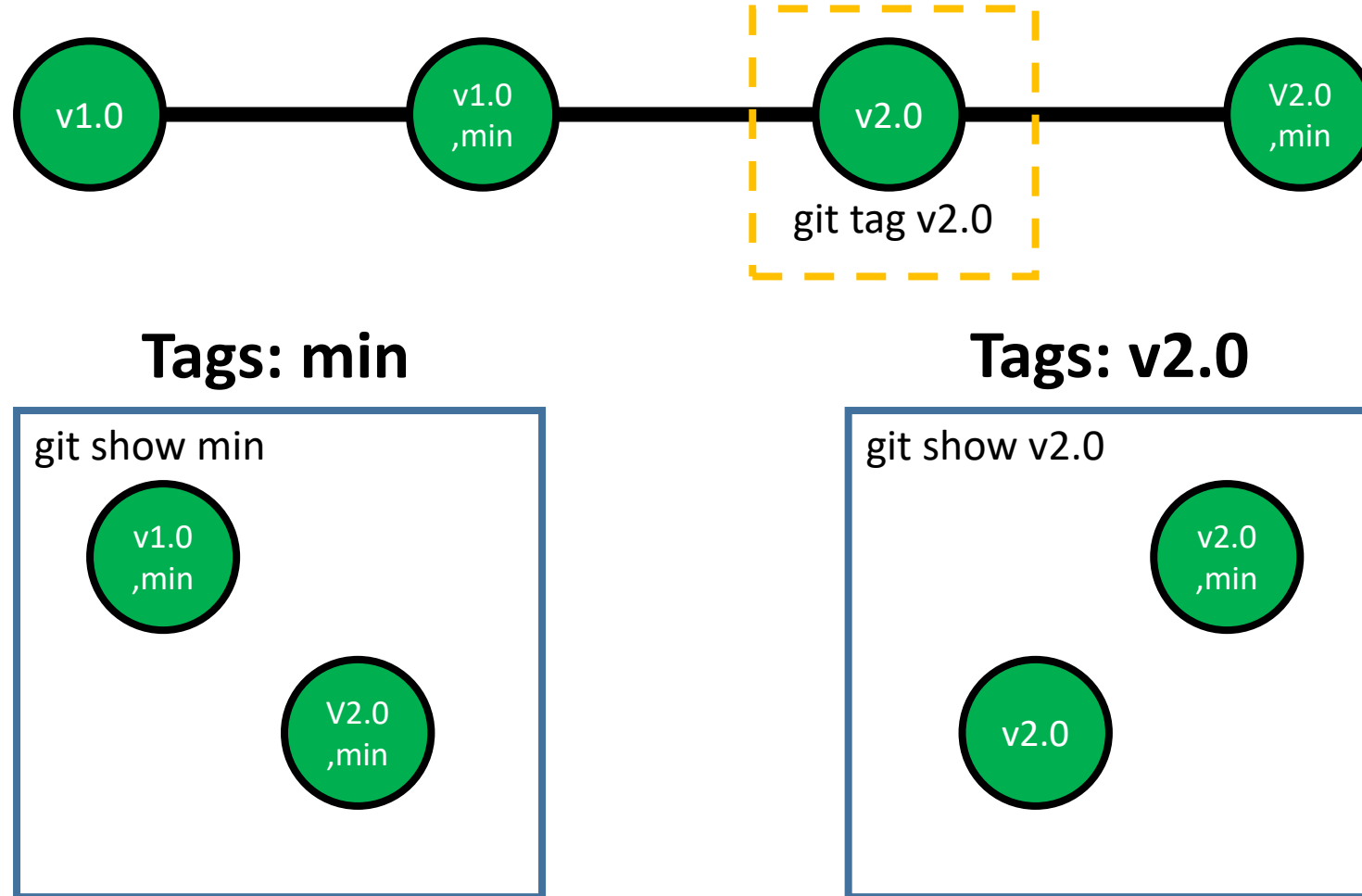
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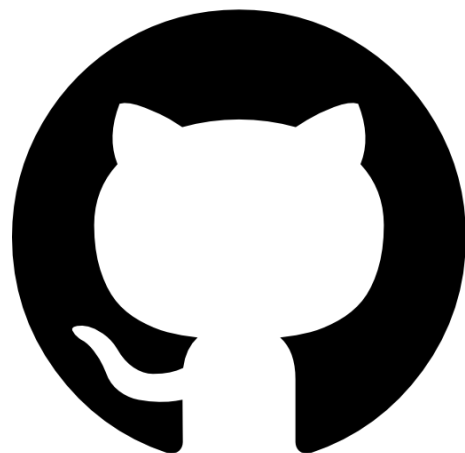


conflicts



Appendix: tags





Thank you

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