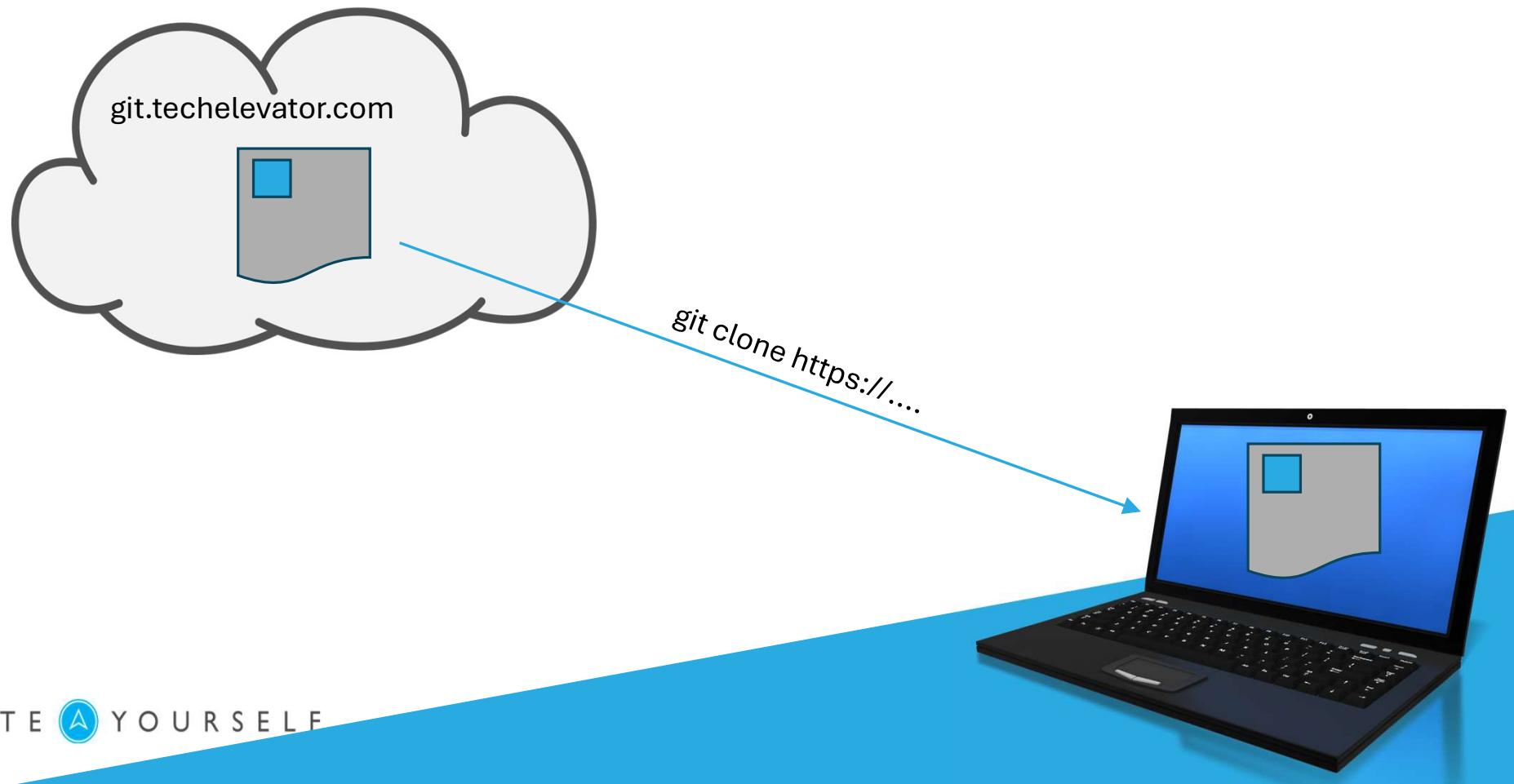




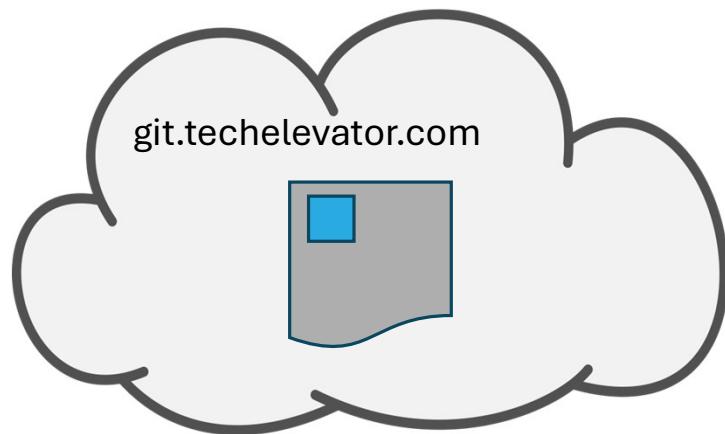
Git Branching



tom-anderson-student-code



tom-anderson-student-code

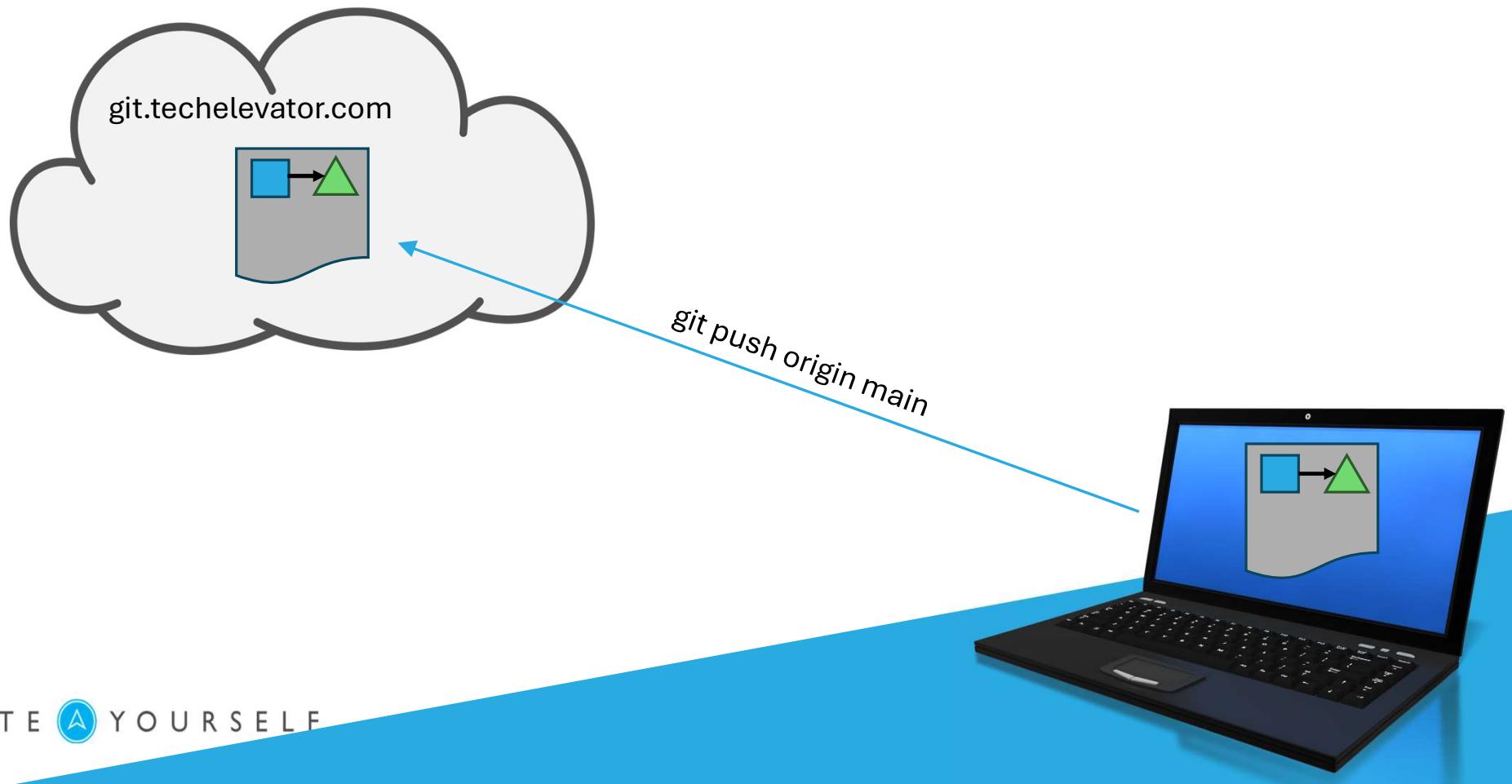


git.techelevator.com



ELEVATE  YOURSELF

tom-anderson-student-code

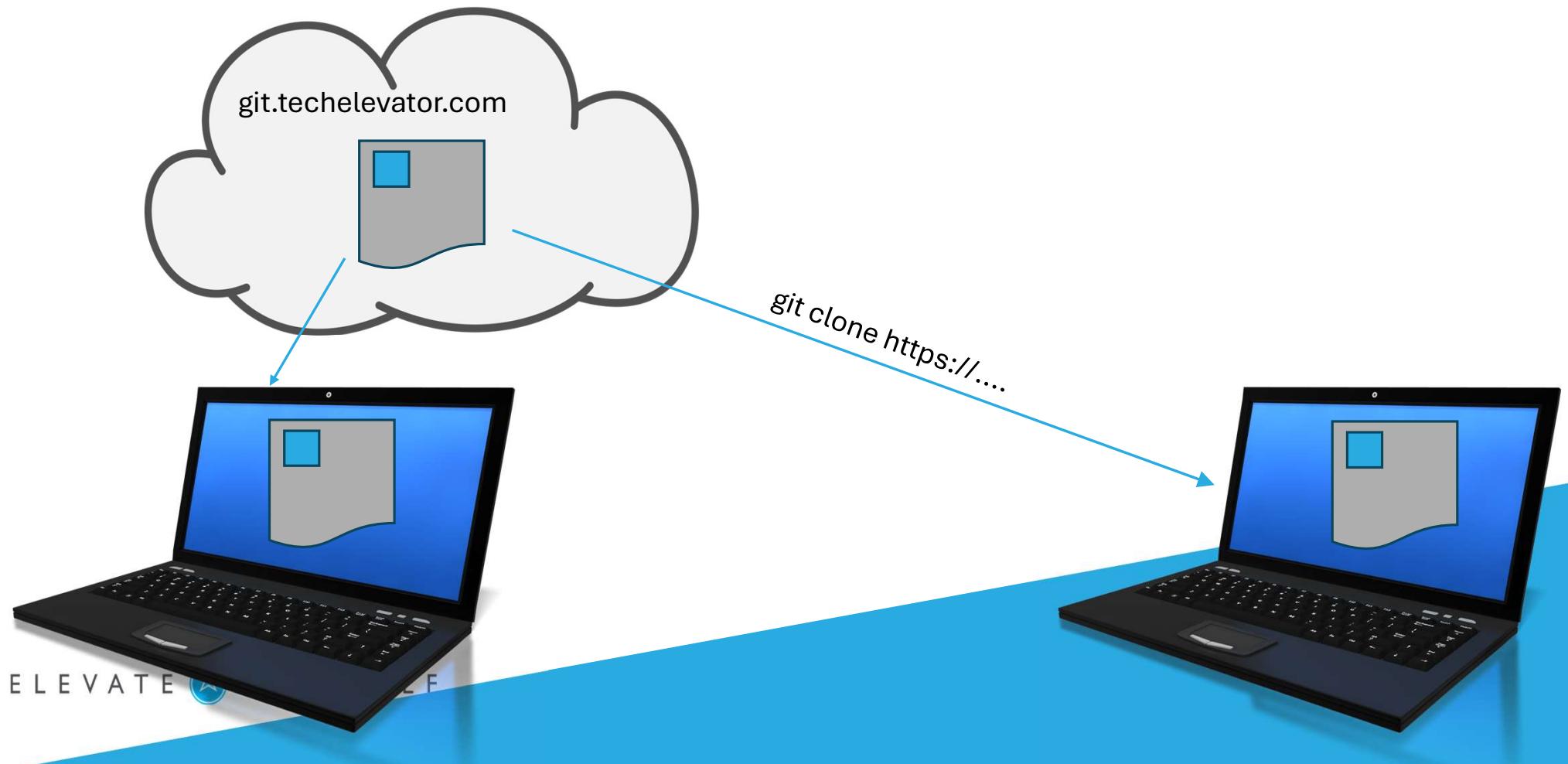


ELEVATE  YOURSELF

Pair Exercise



week-1-pair



week-1-pair



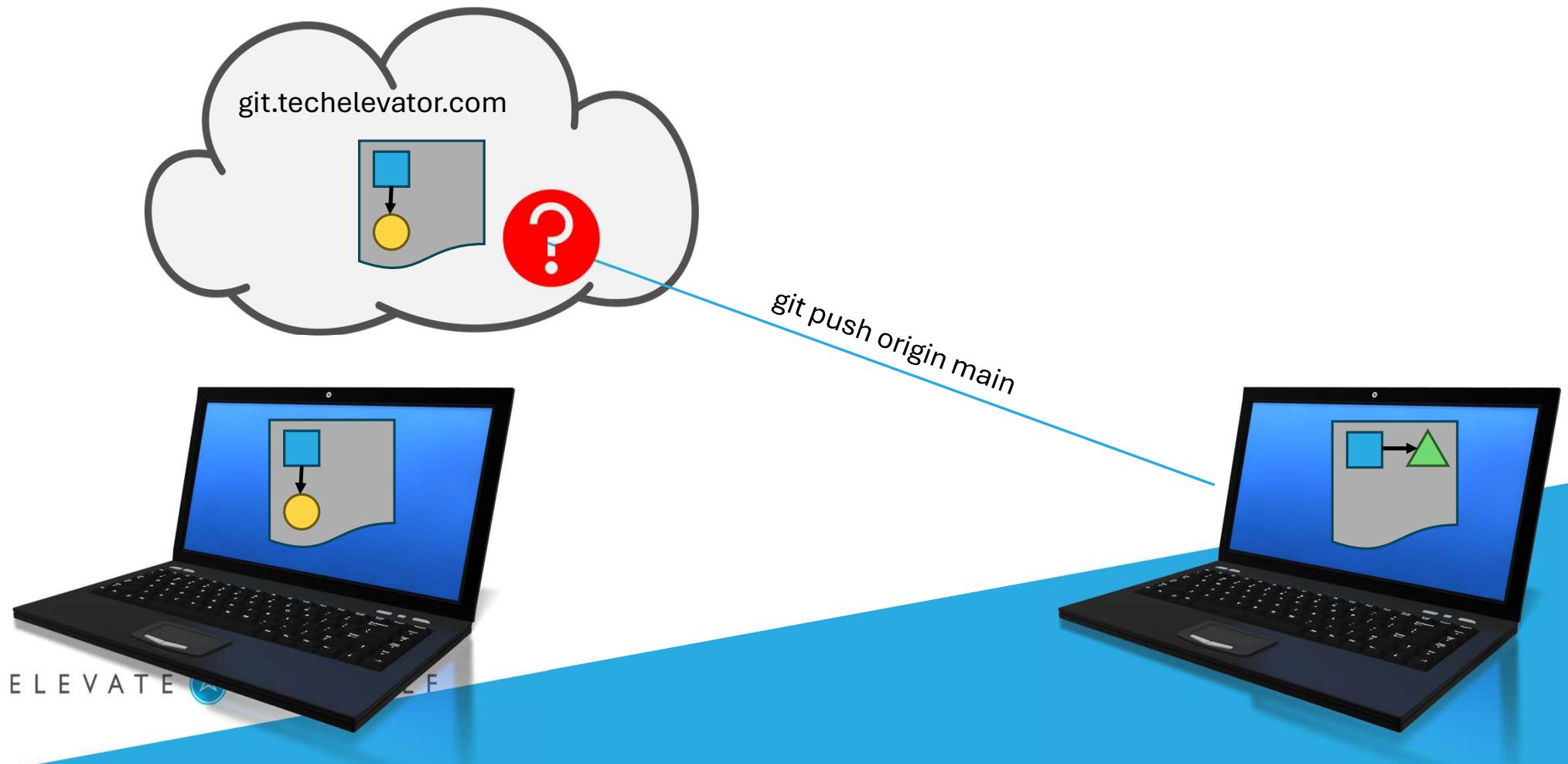
week-1-pair



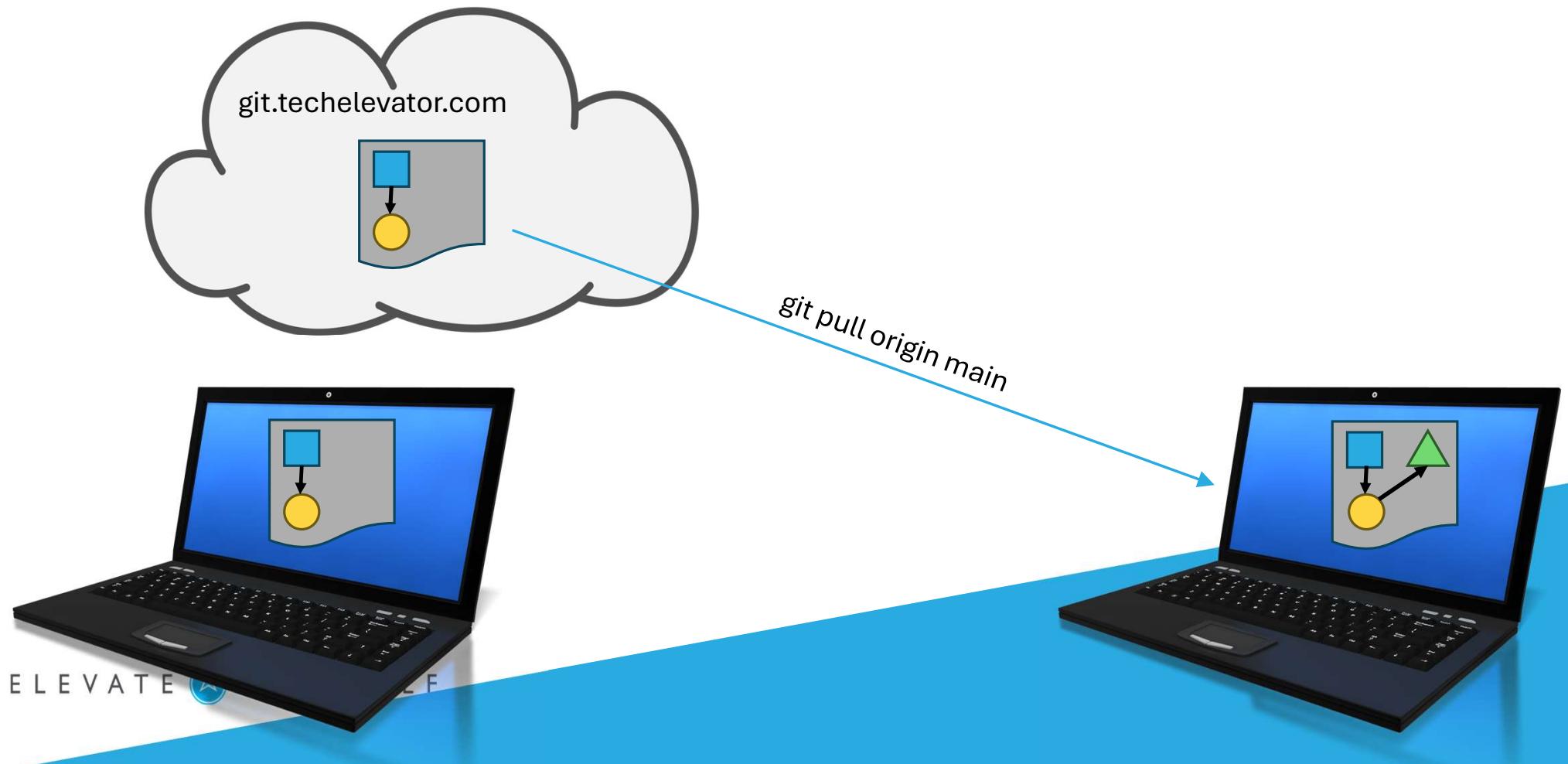
week-1-pair



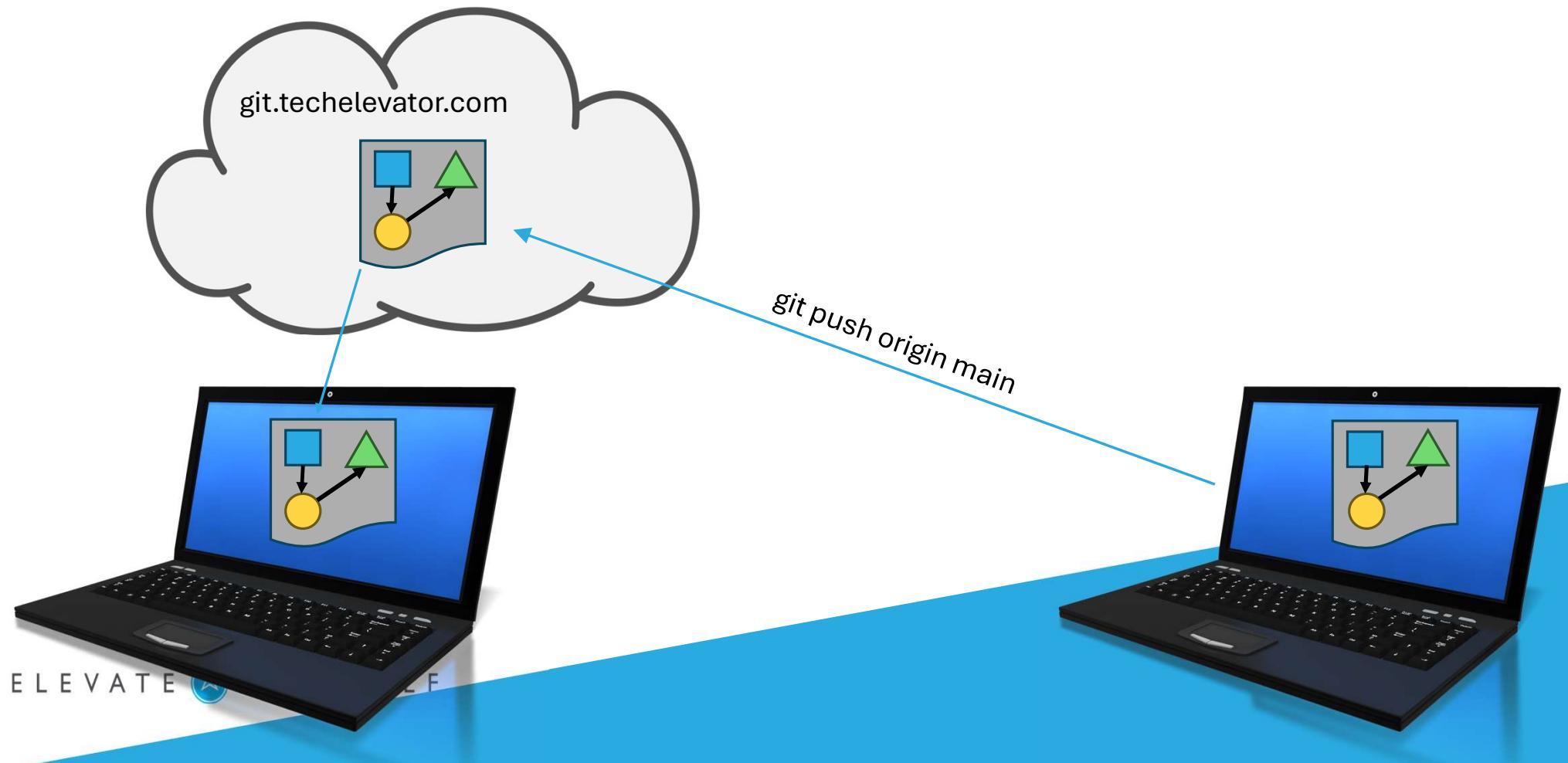
week-1-pair



week-1-pair



week-1-pair



Branching

Merge Requests

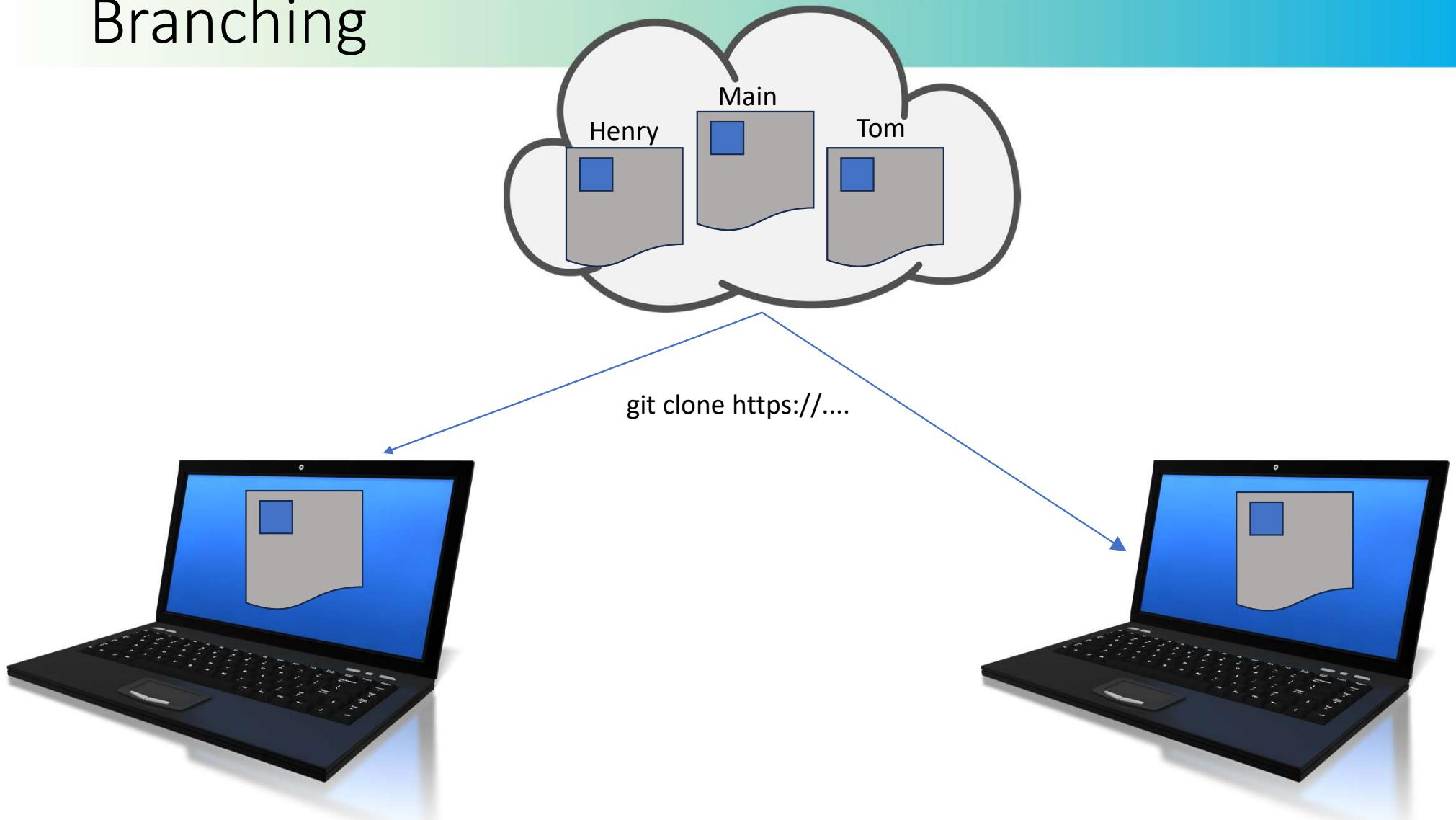


What Happens in the Real World

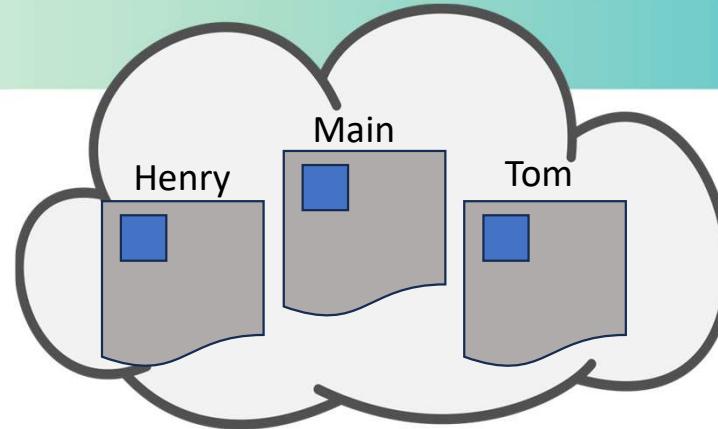
- We use Branches!
- Main is golden
- Must protect main
- Limit Merge Conflicts
- Backup code to cloud
- Allow Experimentation



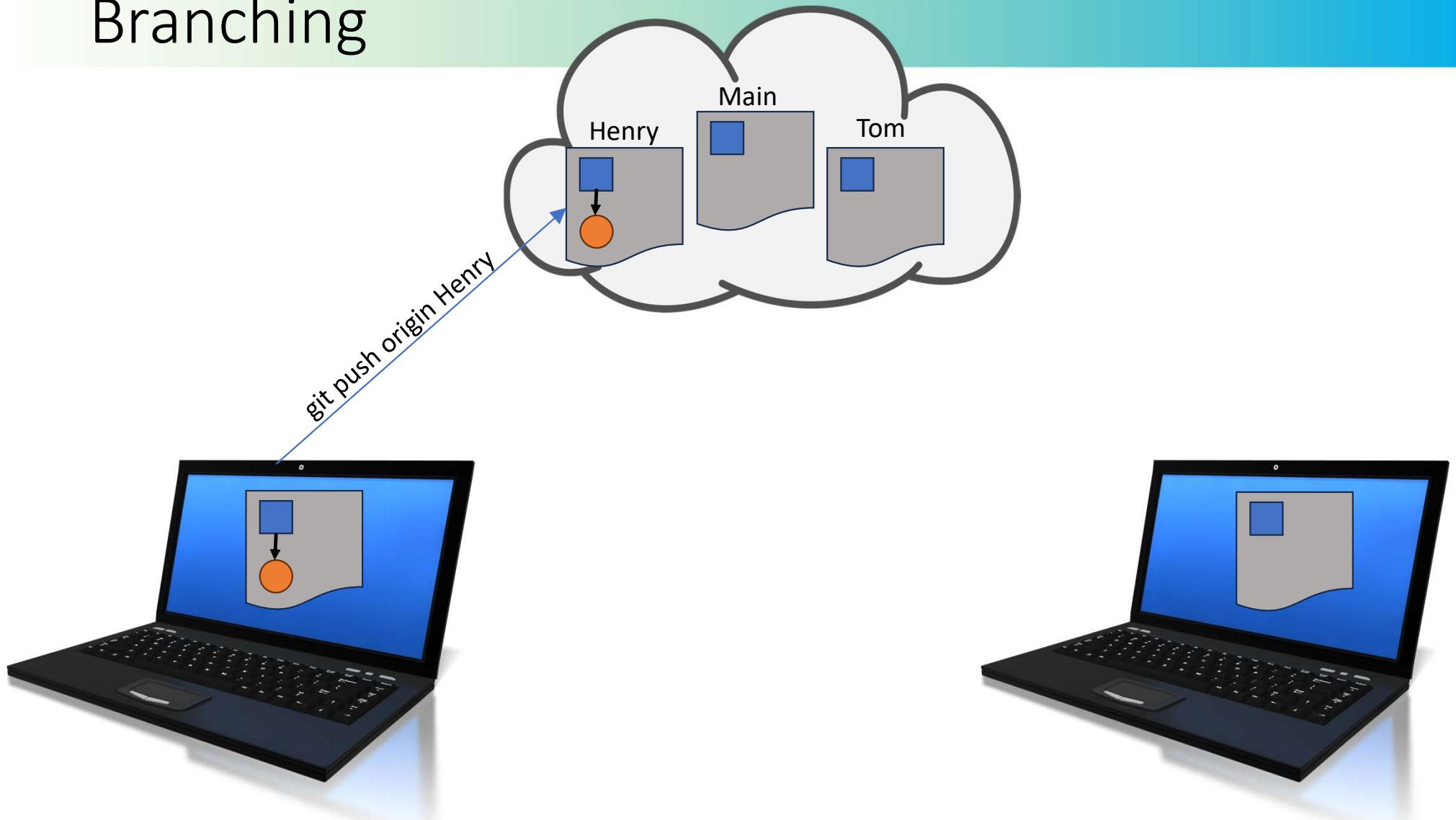
Branching



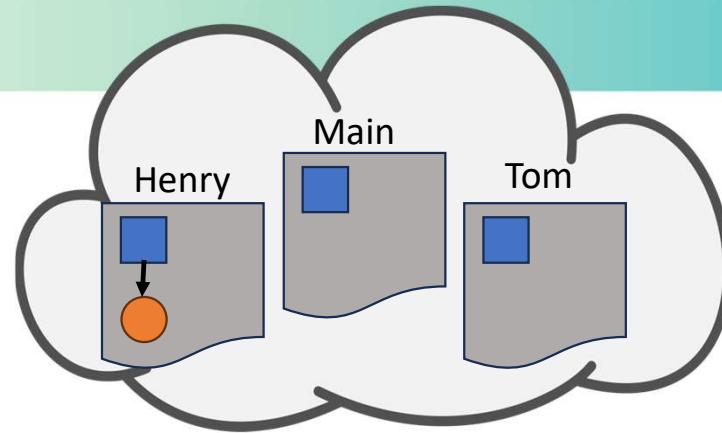
Branching



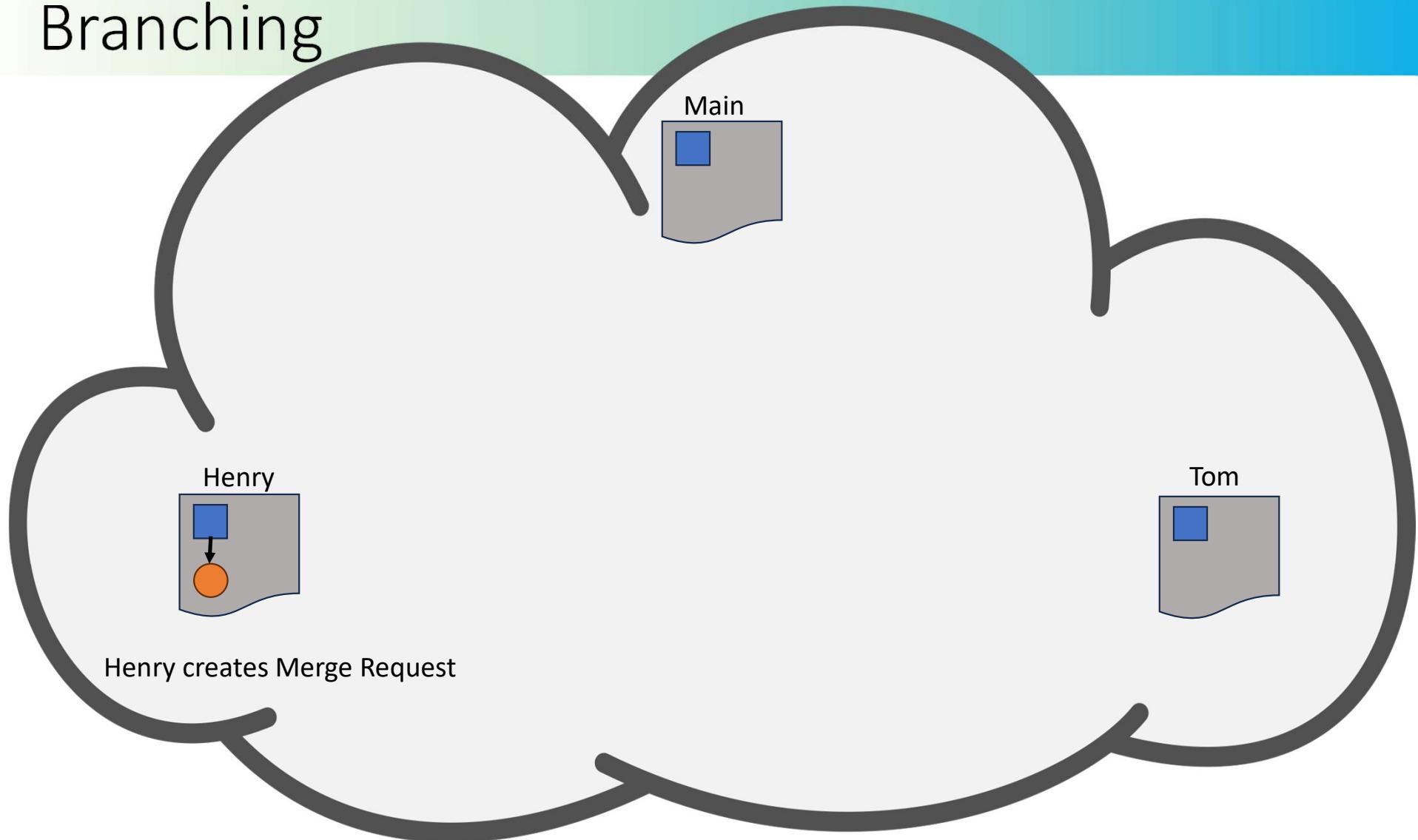
Branching



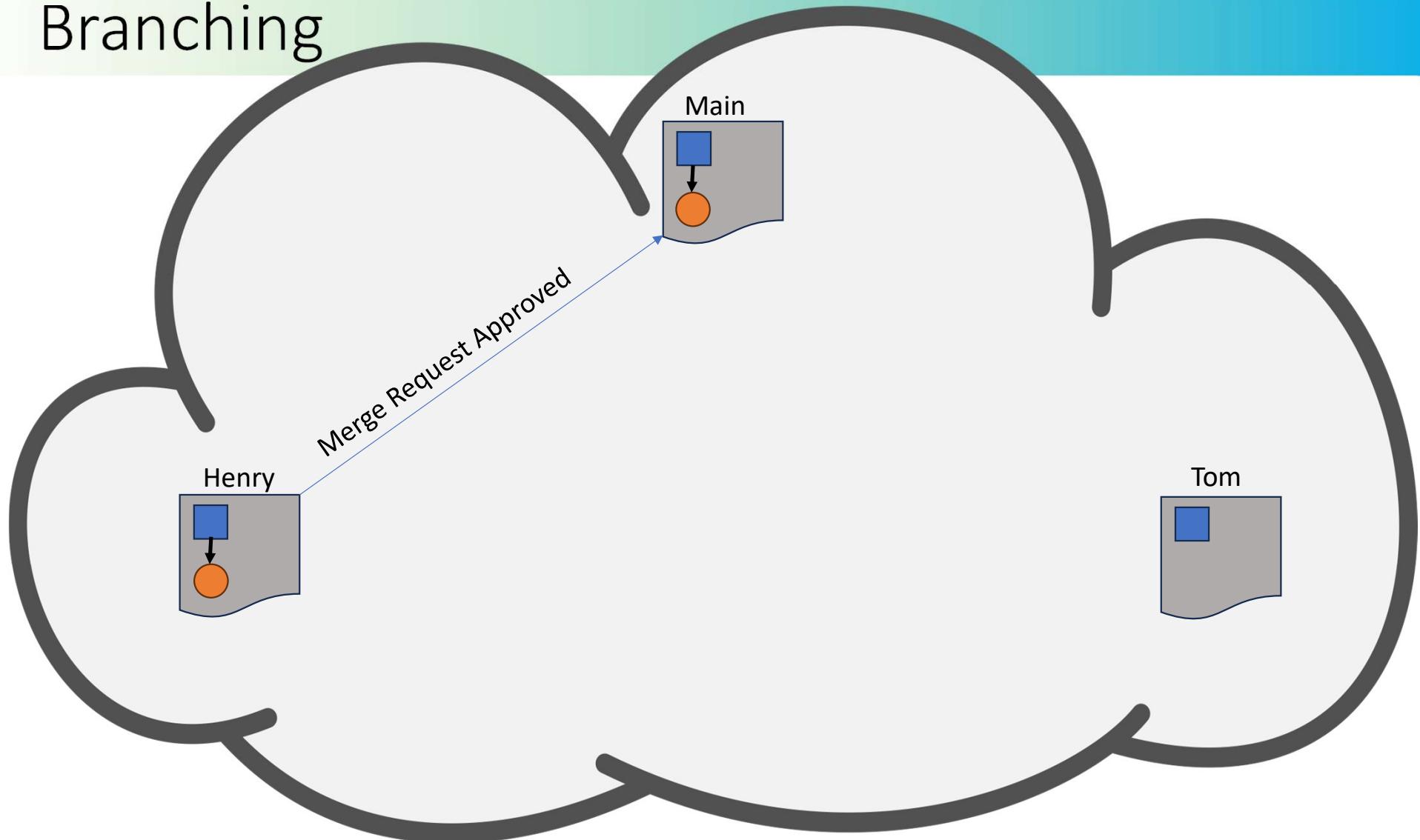
Branching



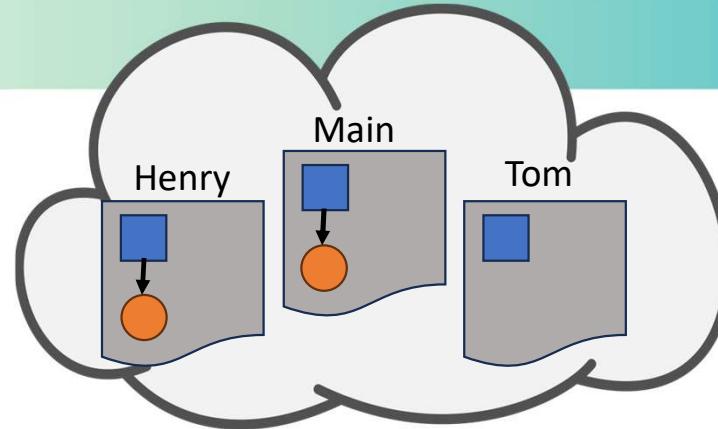
Branching



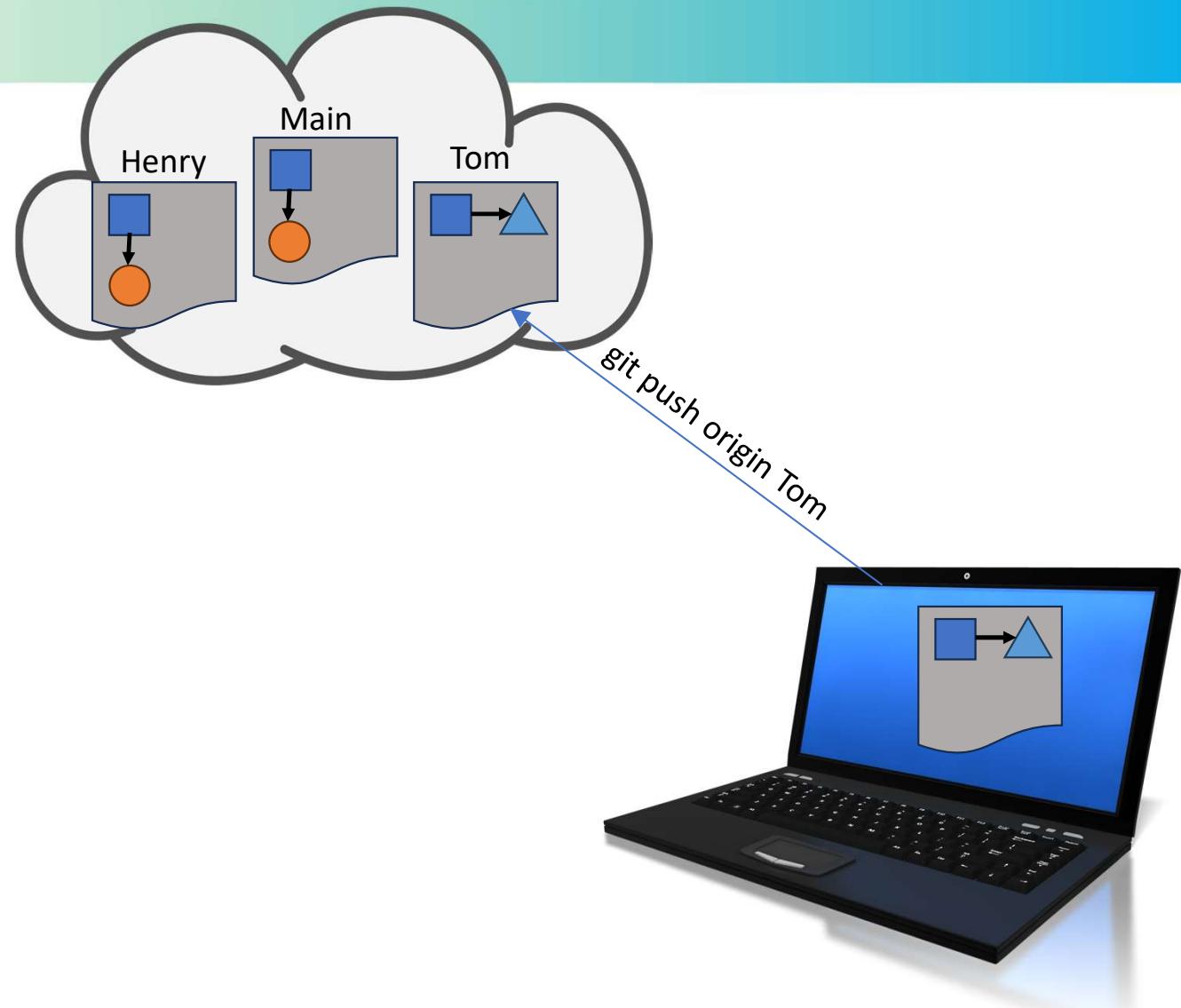
Branching



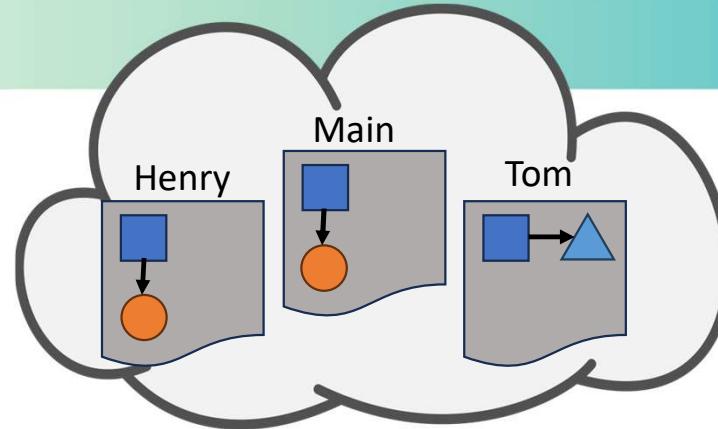
Branching



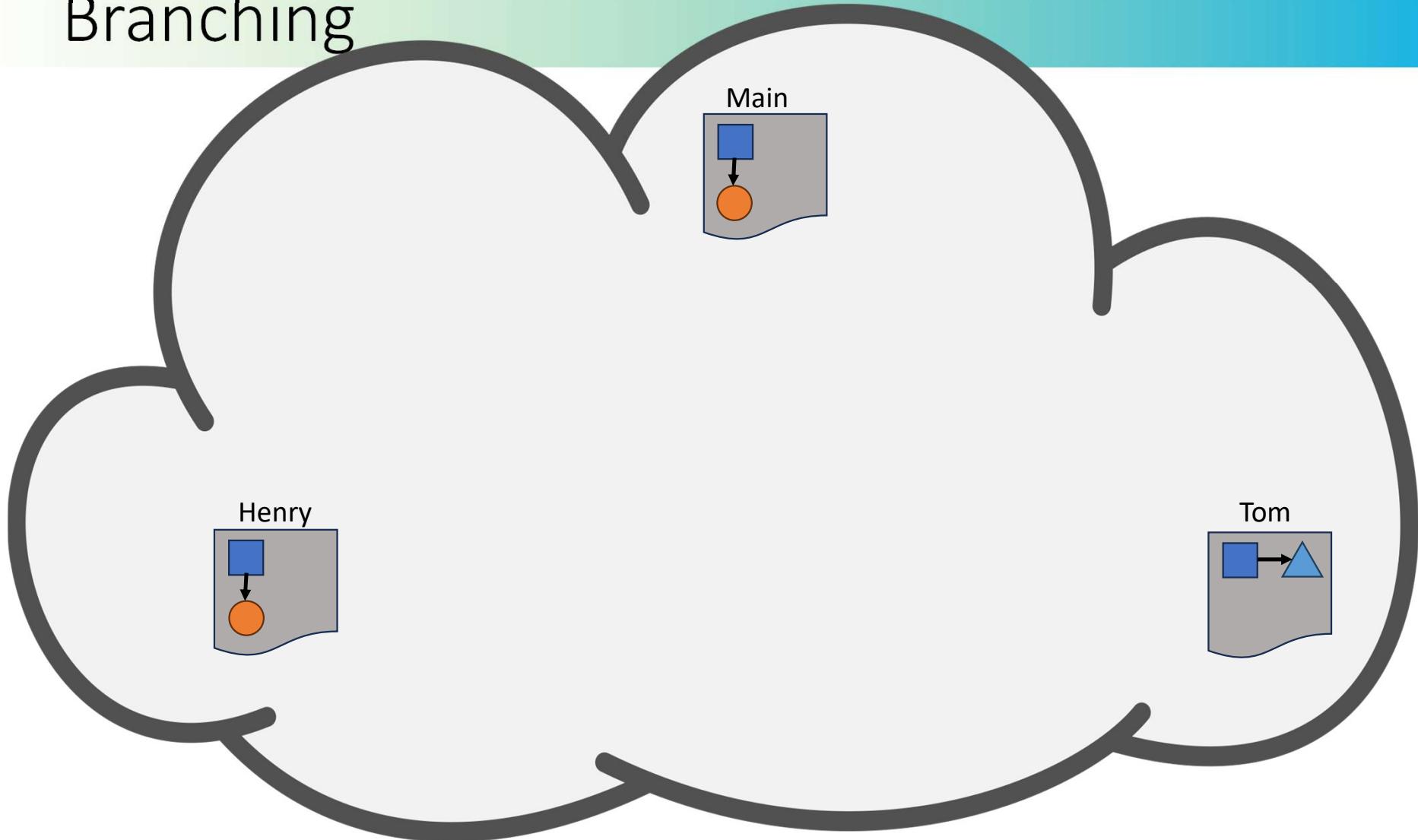
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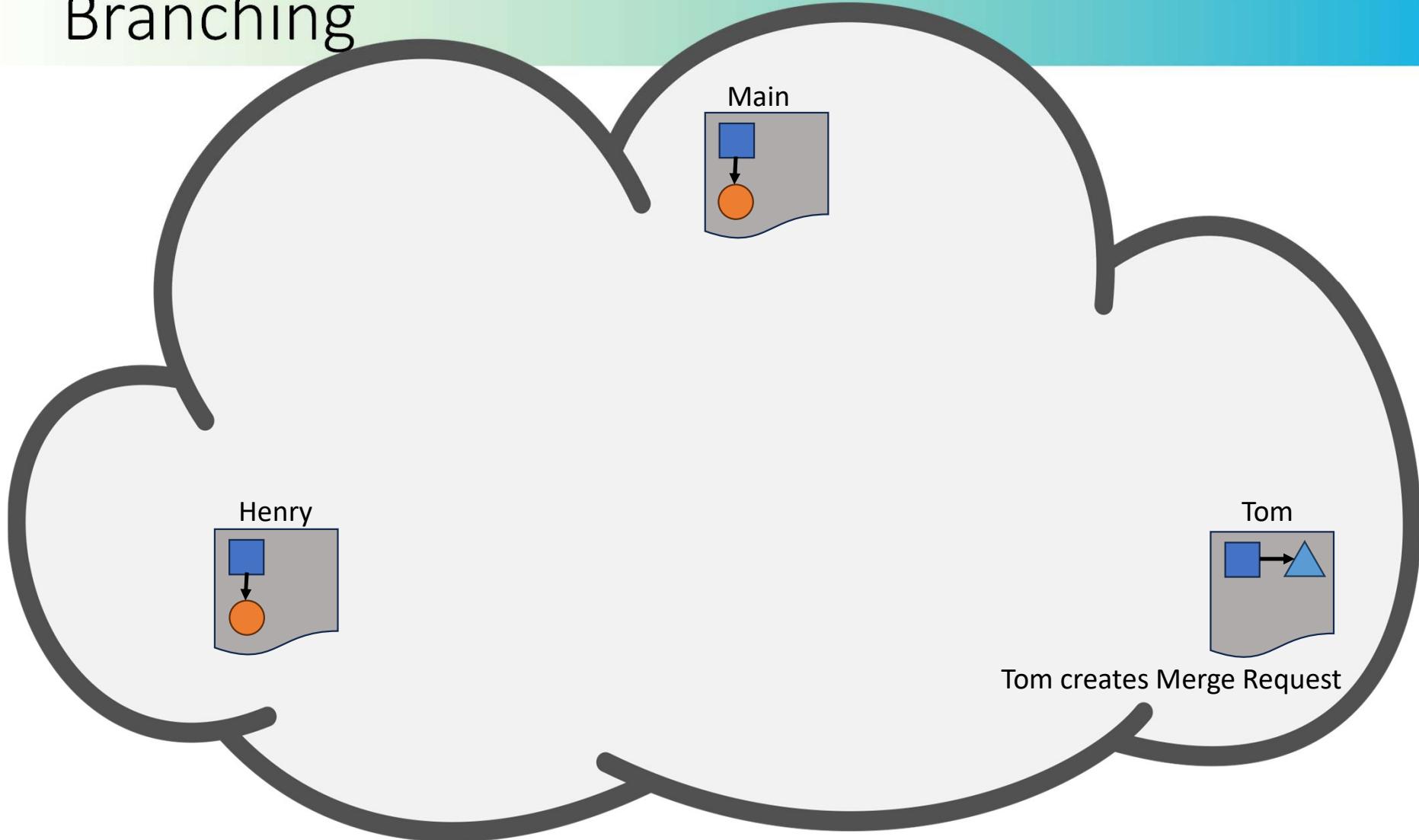
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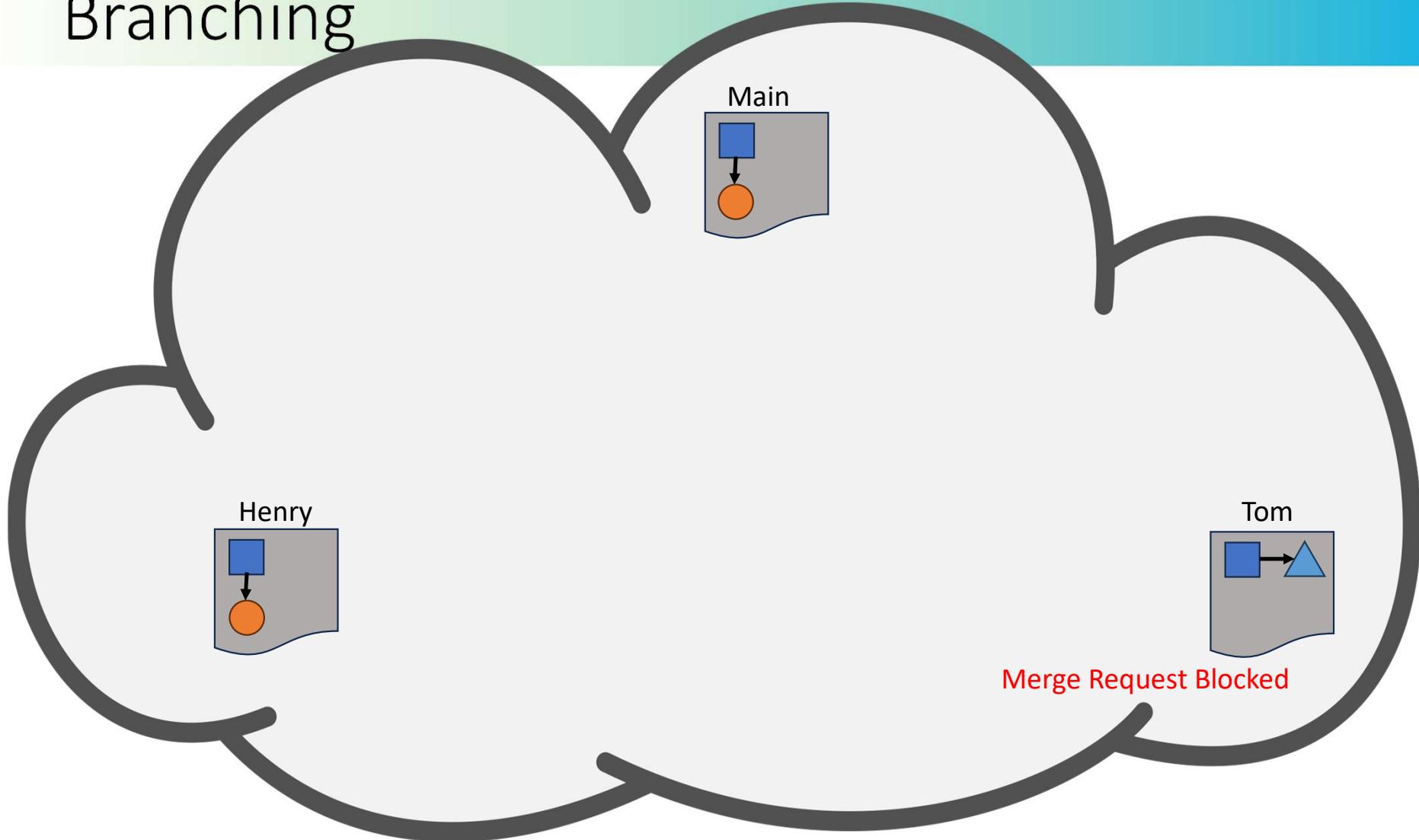
Branching



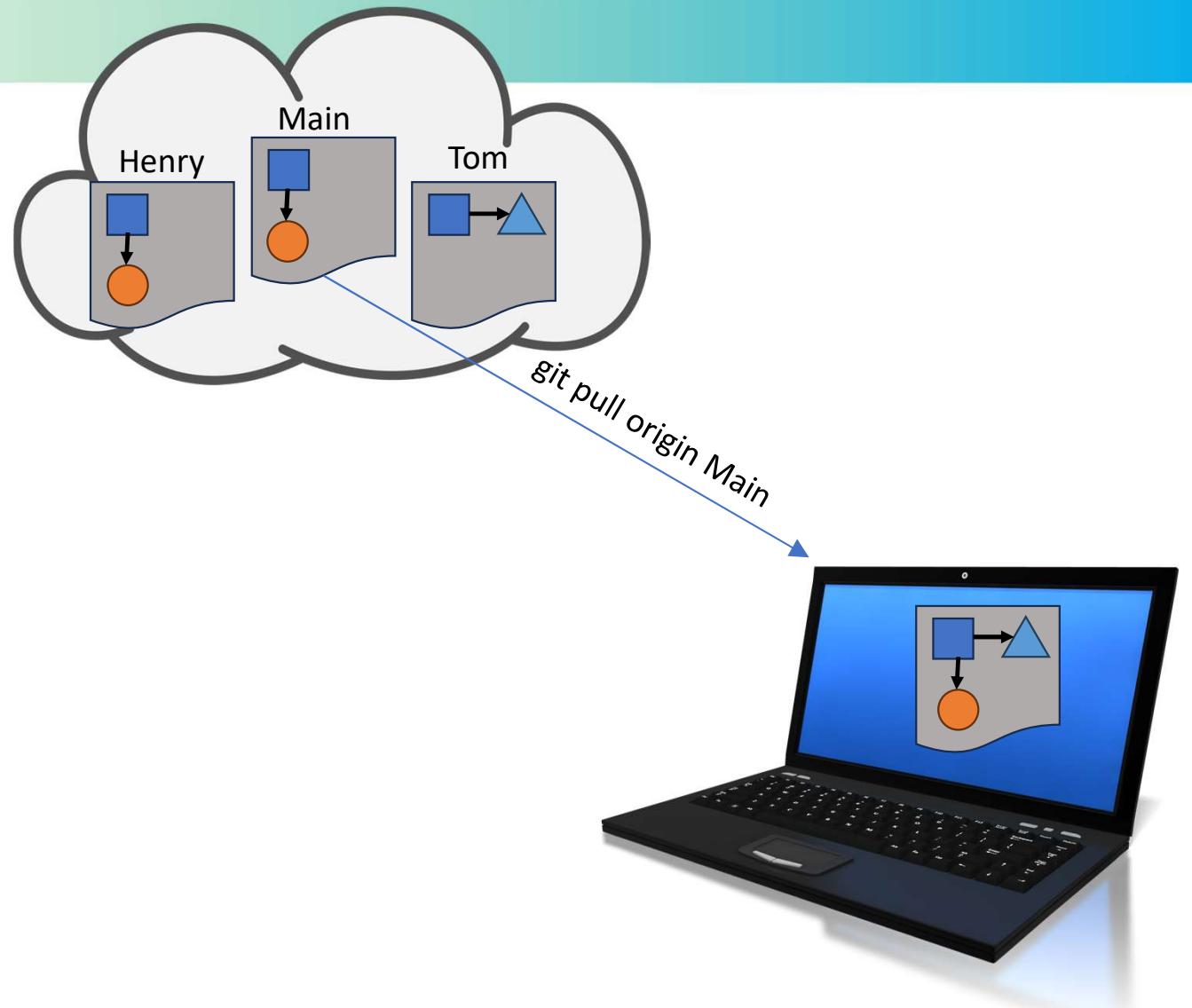
Branching



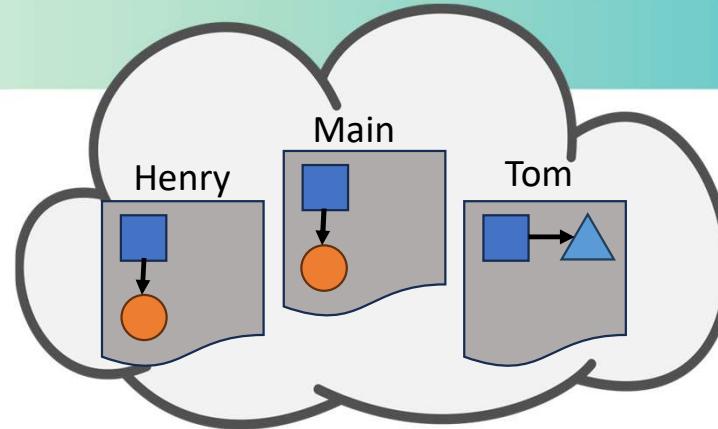
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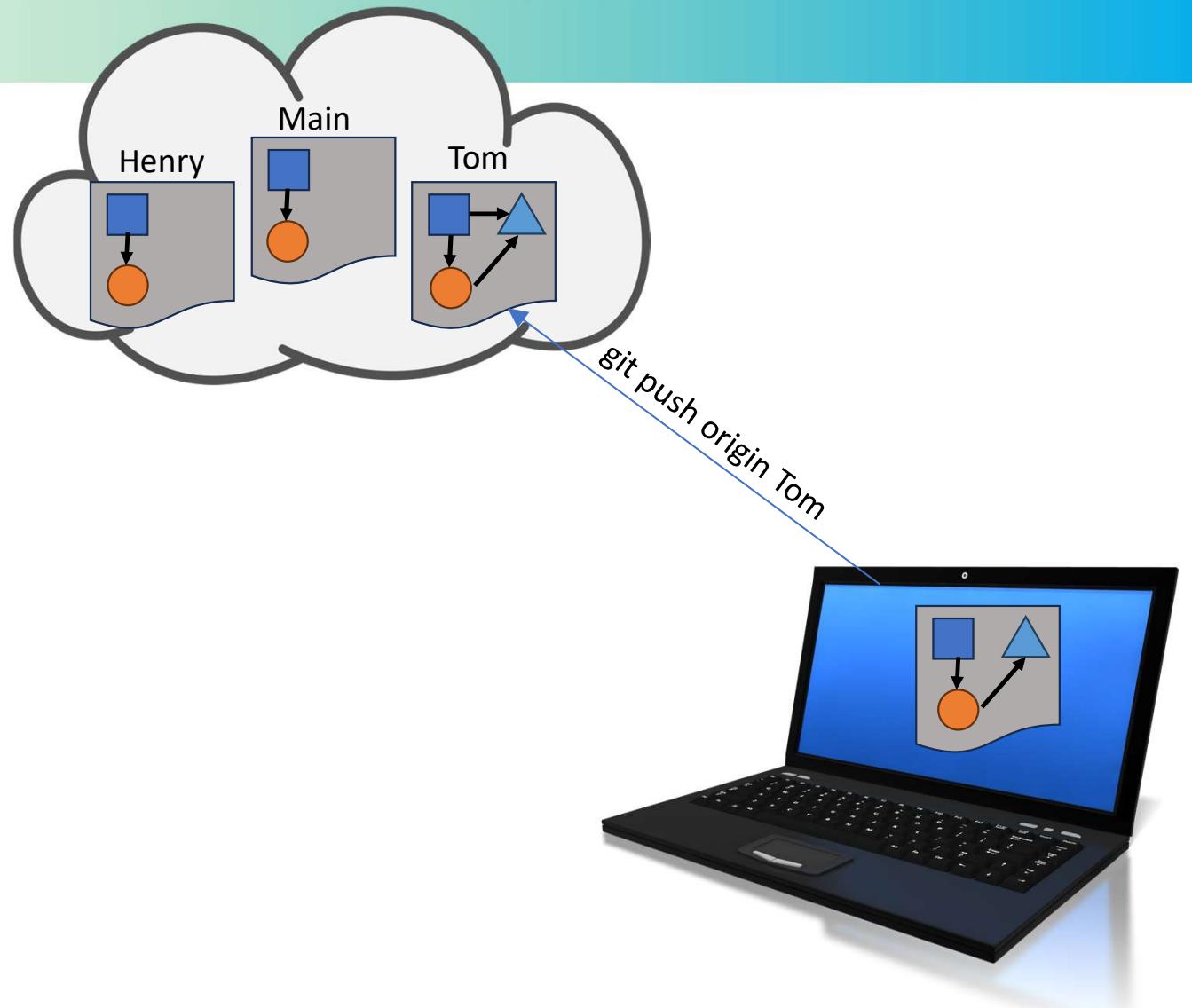
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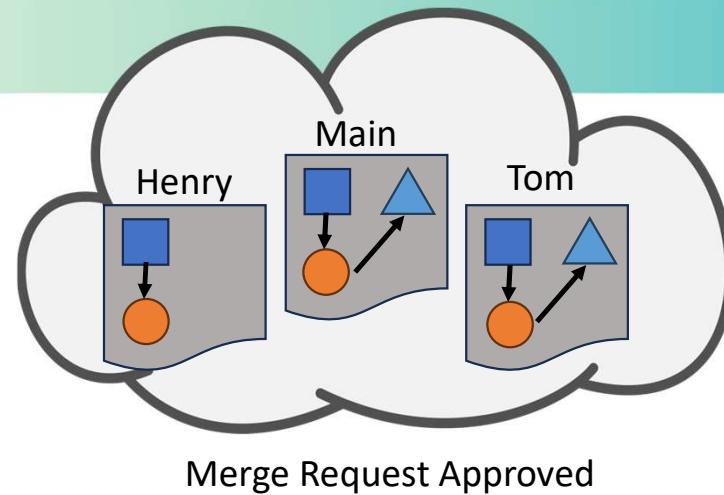
Branching



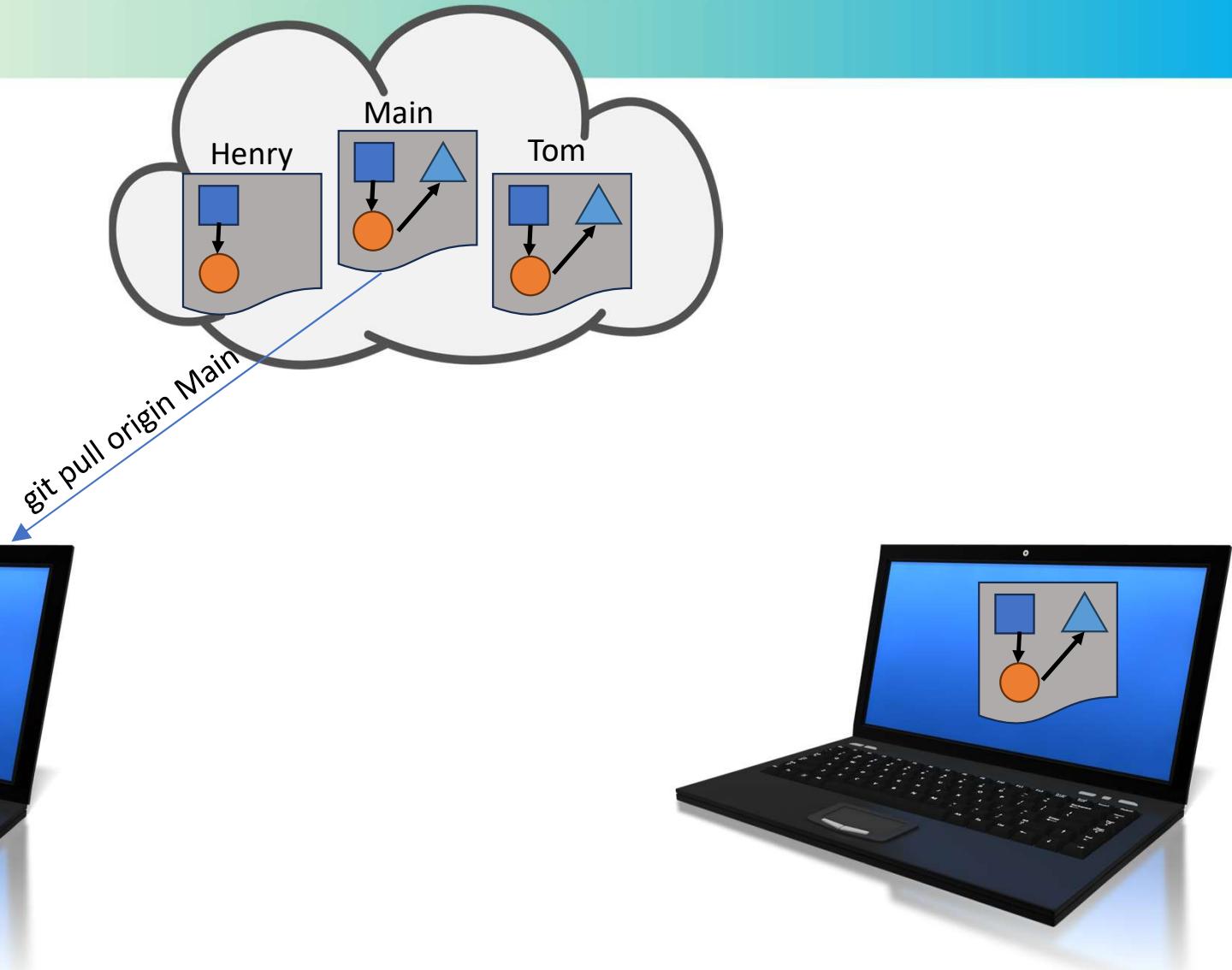
Branching



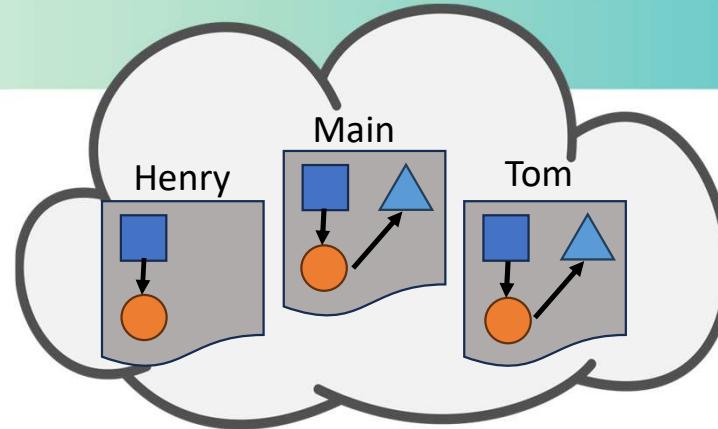
Branching



Branching



Branching



BRANCHING

ENGLISH, PLEASE



Steps for Git with Branches

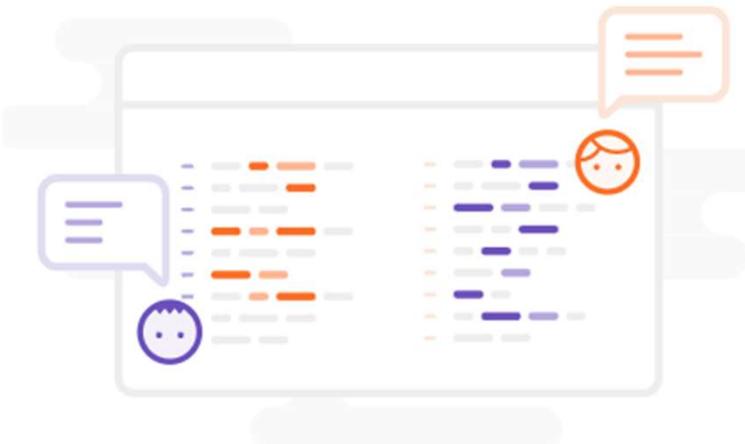
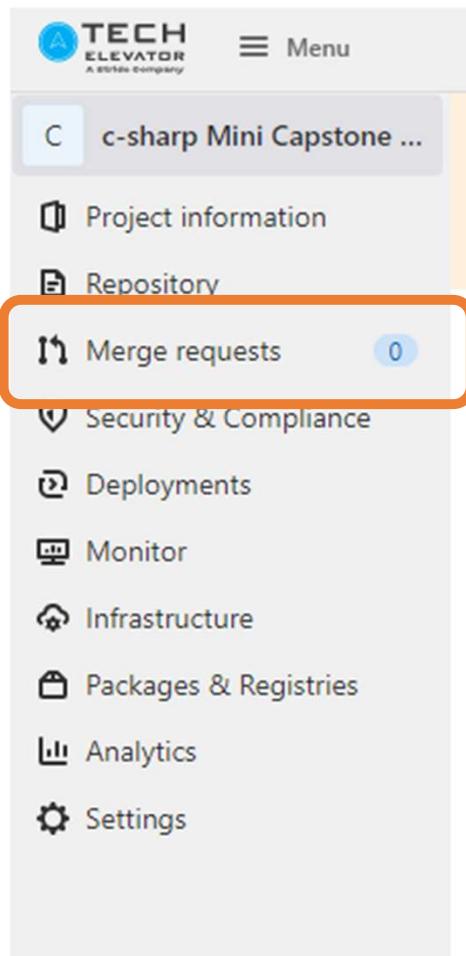
- **ALWAYS WORK IN YOUR BRANCH**

1. git checkout TomAnderson
2. Do your code.

- Usual git steps to commit code

1. git status
2. git add -A
3. git commit -m "Cool code"
4. git pull origin TomAnderson
5. git push origin TomAnderson

Create a Merge Request



Merge requests are a place to propose changes you've made to a project and discuss those changes with others

Interested parties can even contribute by pushing commits if they want to.

New merge request

Create a Merge Request

New merge request

Source branch

te-pgh-dev/mirrorsource

Compare branches and continue

Select source branch

Select source branch

Search branches

BillReeves

HenryEdwards

main

Target branch

te-pgh-dev/mirrorsource

main

From API

Tom Anderson authored 4 weeks ago

85ba23a7

Compare branches and continue

Create a Merge Request

New merge request

From [HenryEdwards](#) into [main](#) [Change branches](#)

Title

Remove the [draft](#) prefix from the title to allow this merge request to be merged when it's ready.

Add [description templates](#) to help your contributors communicate effectively!

Description

[Write](#) [Preview](#)



Describe the goal of the changes and what reviewers should be aware of.

Markdown and quick actions are supported

[Attach a file](#)

Assignee

[Assign to me](#)

Reviewer

Milestone

Labels

Merge options

Delete source branch when merge request is accepted.

Squash commits when merge request is accepted. [?](#)

[Create merge request](#)

[Cancel](#)

Create a Merge Request

New merge request

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[Cancel](#)

Create a Merge Request

Open Created just now by  Tom Anderson Owner

Edit Mark as draft ▾

Change to Readme

Overview 0 Commits 1 Changes 1

Request to merge HenryEdwards into main

Open in Web IDE Check out branch 

 Approve Approval is optional 

Merge Checking if merge request can be merged...

 0  0 

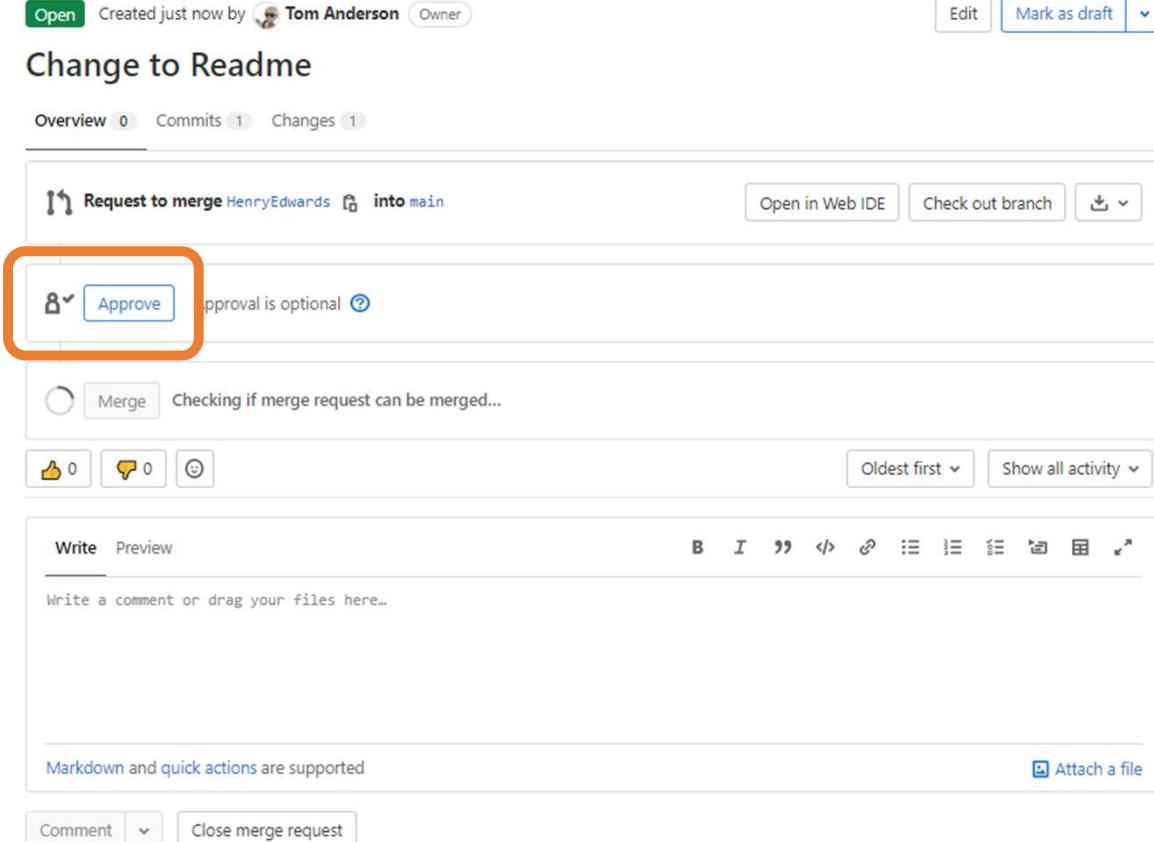
Oldest first ▾ Show all activity ▾

Write Preview

Write a comment or drag your files here...

Markdown and quick actions are supported 

Comment ▾ Close merge request



Create a Merge Request

Open Created just now by  Tom Anderson Owner

Edit Mark as draft ▾

Change to Readme

Overview 0 Commits 1 Changes 1

 Request to merge HenryEdwards into main

Open in Web IDE Check out branch 

 Revoke approval Merge request approved. Approved by 

 Merge Delete source branch

1 commit and 1 merge commit will be added to main. [Modify merge commit](#)

 0  0 

Oldest first ▾ Show all activity ▾

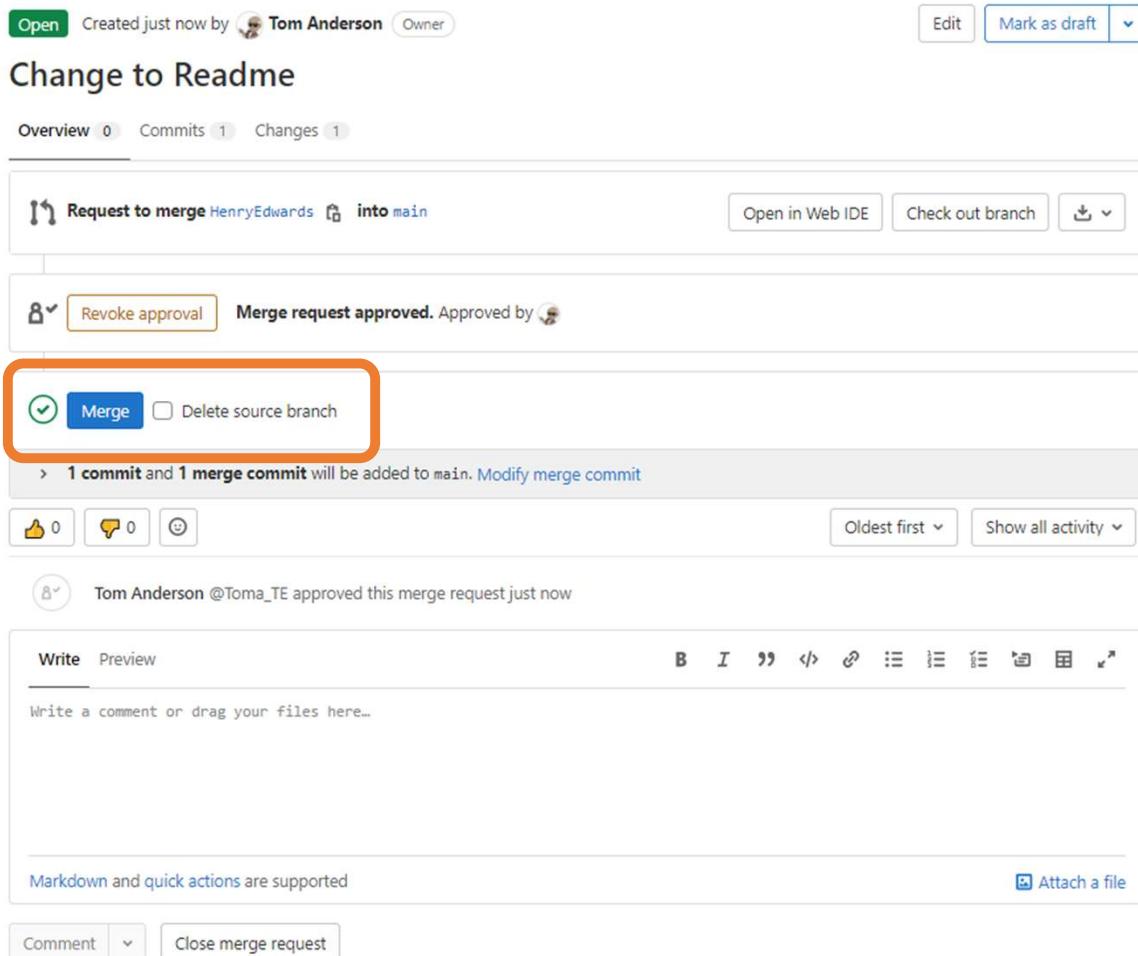
 Tom Anderson @Toma_TE approved this merge request just now

Write Preview

Write a comment or drag your files here...

Markdown and quick actions are supported 

Comment ▾ Close merge request



Merge Requests – TomAnderson

- After pushing your WORKING code to your branch
- Click **Merge Requests** in GitLab
- Click **New merge request**
- Choose **your branch** from the left and **main** from the right
- Click **Compare branches and continue** at the bottom
- Uncheck **Delete source branch when merge request is accepted**
- Click **Create merge request**
- Notify your team/partner that there's a merge request

Verifying a Merge Request – Henry Edwards

- First, commit/save your current work in your branch (don't want to lose anything)
- Change to the branch for the pull request
 - git checkout TomAnderson
 - git pull origin TomAnderson
- **VALIDATE THAT THE CODE WORKS AND DOES WHAT IT SHOULD**
- Click **Approve** in GitLab for the merge request (if above is true)
- Return to your branch
 - git checkout HenryEdwards
- Continue working on your code.

Finishing Merge Request

- Tom Anderson
 - Click **Merge** in GitLab Merge Request
 - Make sure **Delete source branch** is **unchecked**
 - Notify your team/partner the merge request has been merged
- Team/Partner
 - Verify you are in your branch
 - git checkout HenryEdwards
 - git pull origin main
- All done!

If creating your Merge Request fails

- If there is a merge conflict between your branch and main
 - Pull main into your branch
 - git checkout TomAnderson
 - git pull origin main
 - Fix the merge conflicts.
 - code .
 - git status
 - git add –A
 - git commit –m “Cool code”
 - git pull origin TomAnderson
 - git push origin TomAnderson

Questions?



Module 2 Capstone

tebucks



Capstone Module 2

Team 0: Eric Feen & Sarah Borgelt

Team 1: Carson Scott & Jaden Hylton

Team 2: Amy Craley & Chris Bussey

Team 3: Evan Reed & Logan Ramos

Team 4: Maxwell Logue & Chad Ivery Jr

Team 5: Anthony Chen & Jenna Mastrodonato

