Dr. Strangecat or: How I Learned to Stop Worrying and Love to Git

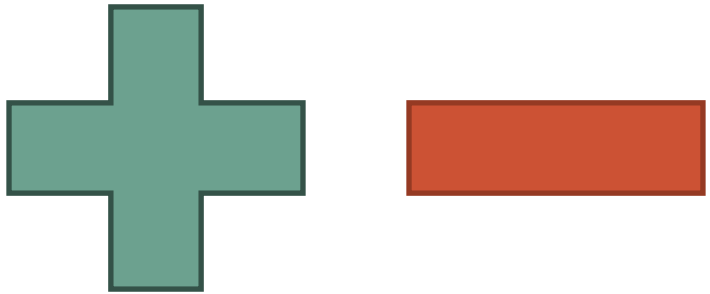
504 gcb

ON AIR

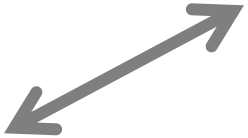
You can watch/listen to a recording of this presentation at the following link

pepfar.adobeconnect.com/pxi6ggjmprwy

What is GitHub?



But really, it's all about that git



Where do my files live?

a Reduces barriers to collaboration

b Provides a form of back up

c Captures project evolution

d Experiment without fear

e Commit to transparency

Why am I doing this?

Your local repo

Landscape

Your GitHub repo

Landscape

Your GitHub repo

Your local repo

Landscape

Other GitHub repo

Your GitHub repo

Your local repo

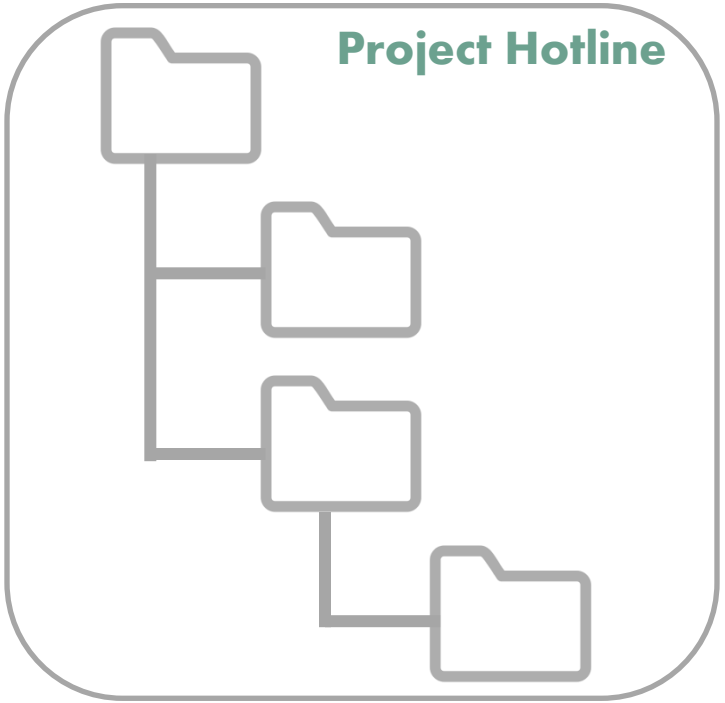
Landscape

Other GitHub repo

Your GitHub repo

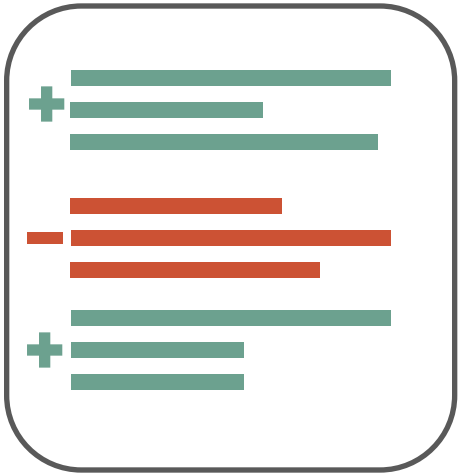
Your local repo

Landscape



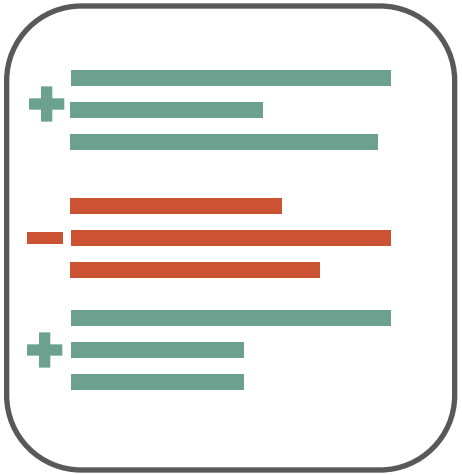
repository

Terminology



commit

Terminology



push

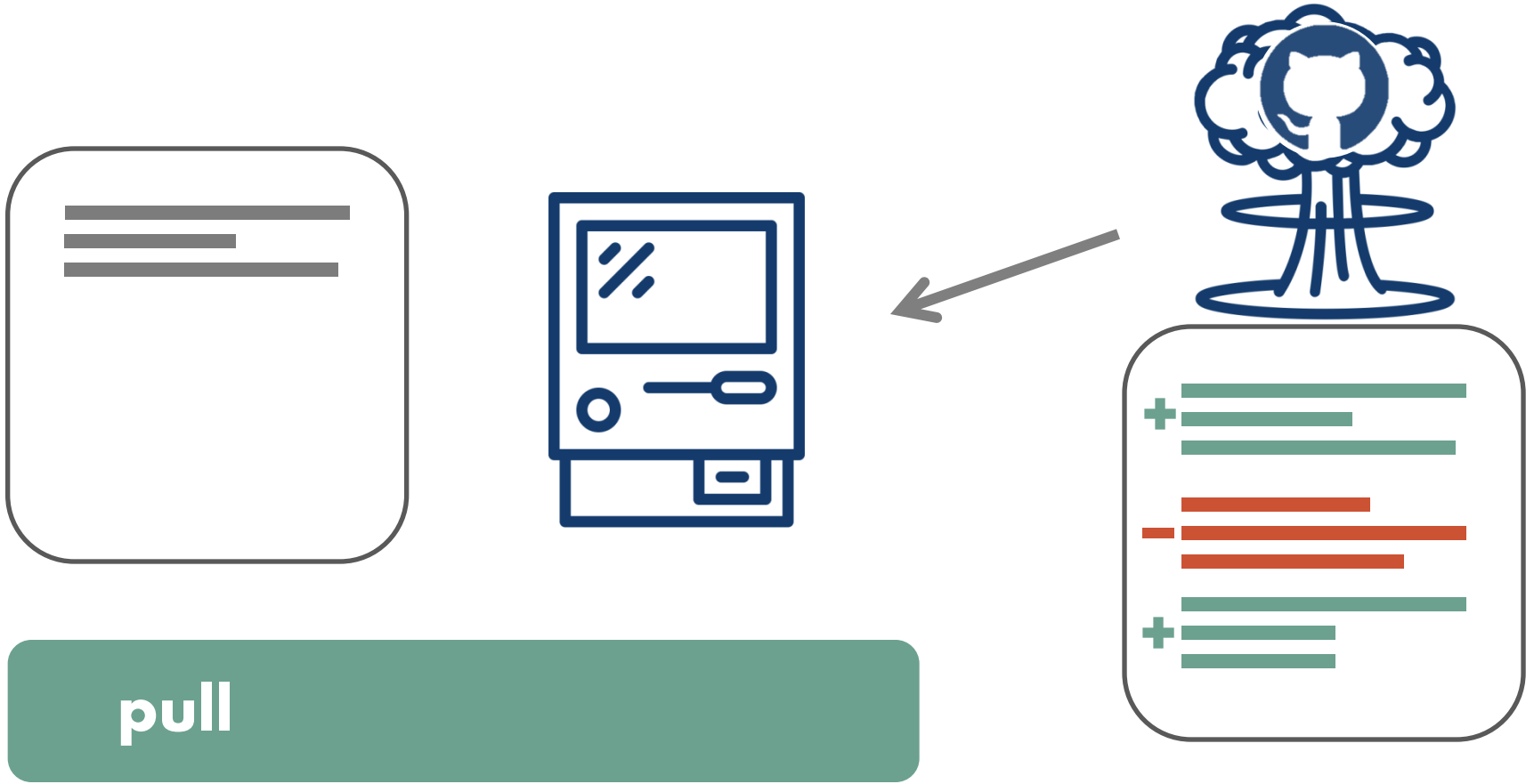
Terminology

Other GitHub repo

Your GitHub repo

Your local repo

Commit & Push



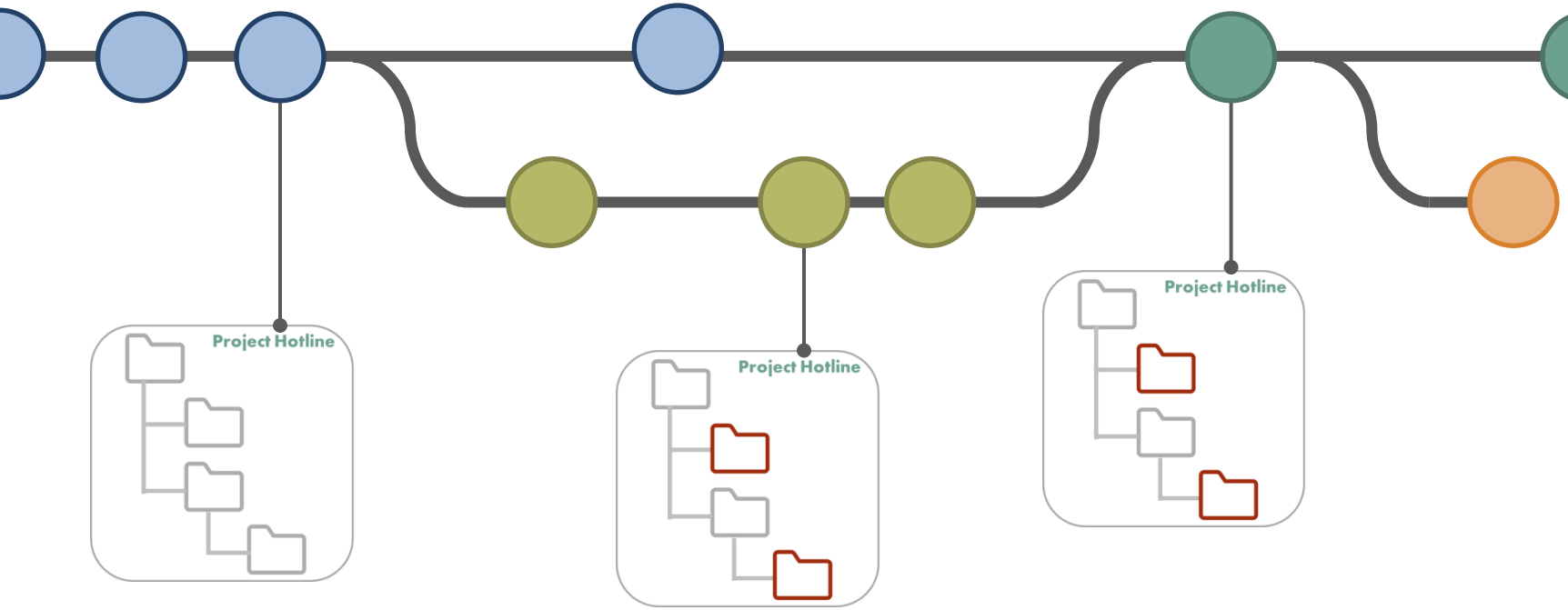
Terminology

Other GitHub repo

Your GitHub repo

Your local repo

Pull



branch

Terminology

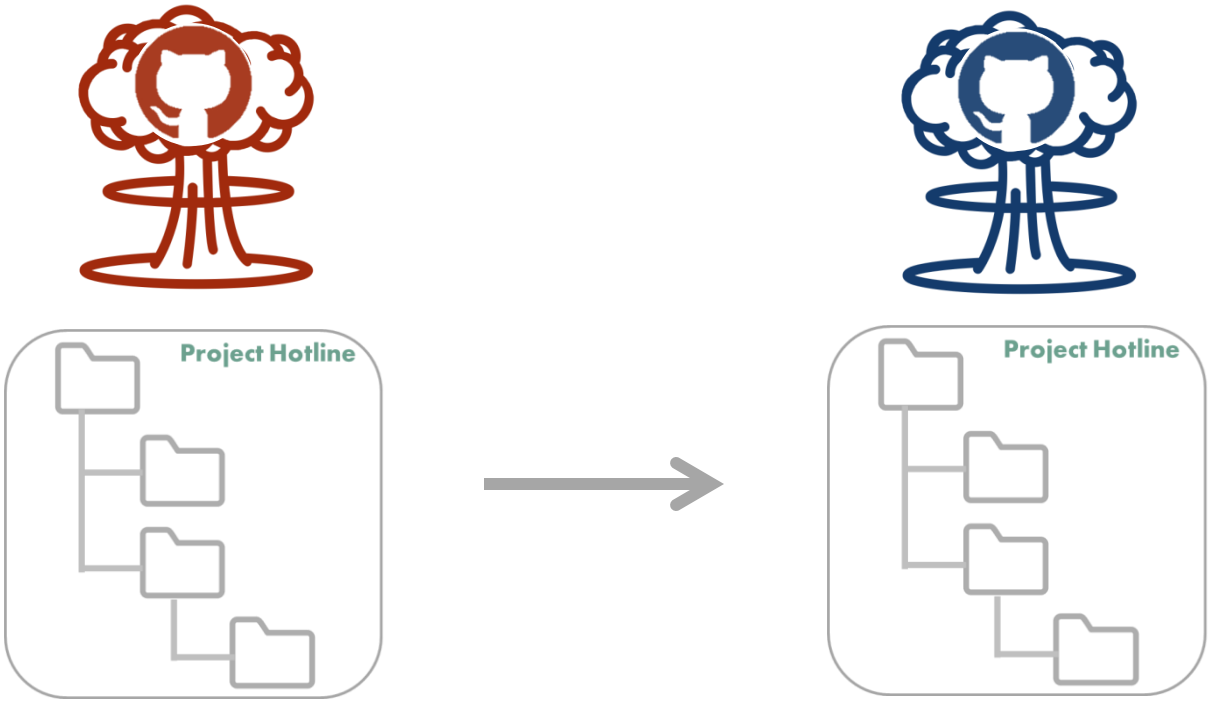
Other GitHub repo

Your GitHub repo

Your local repo

Your local repo

Branch



fork

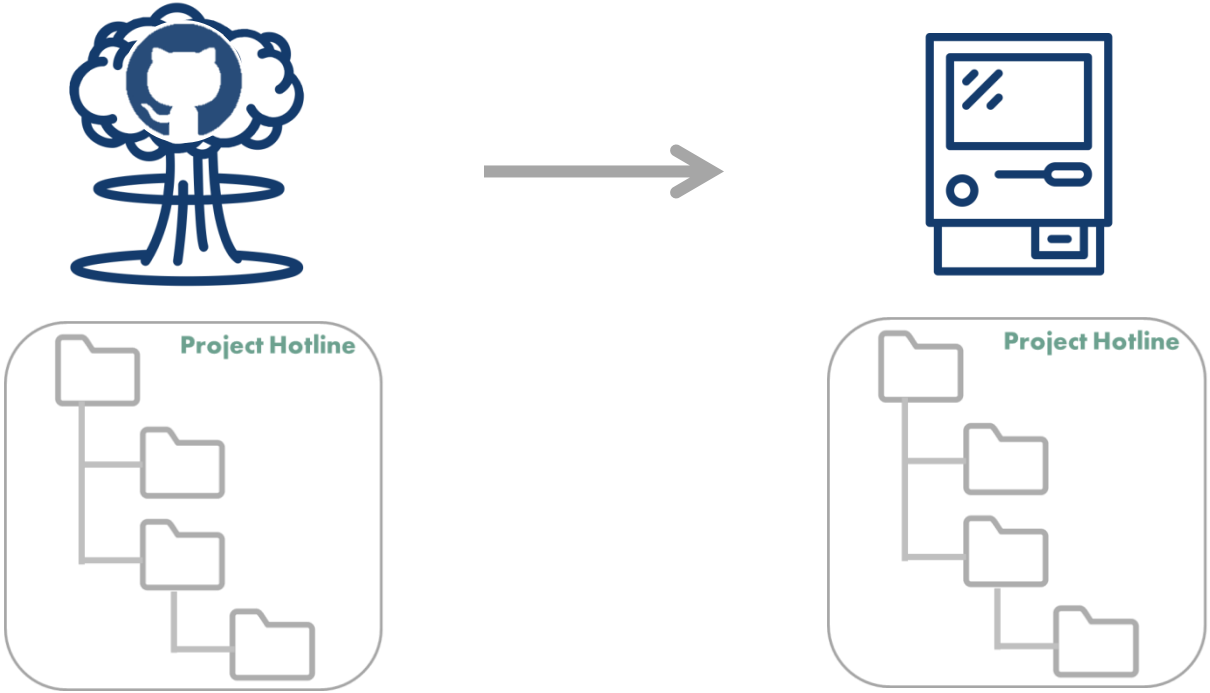
Terminology

Other GitHub repo

Your GitHub repo

Your local repo

Fork



clone

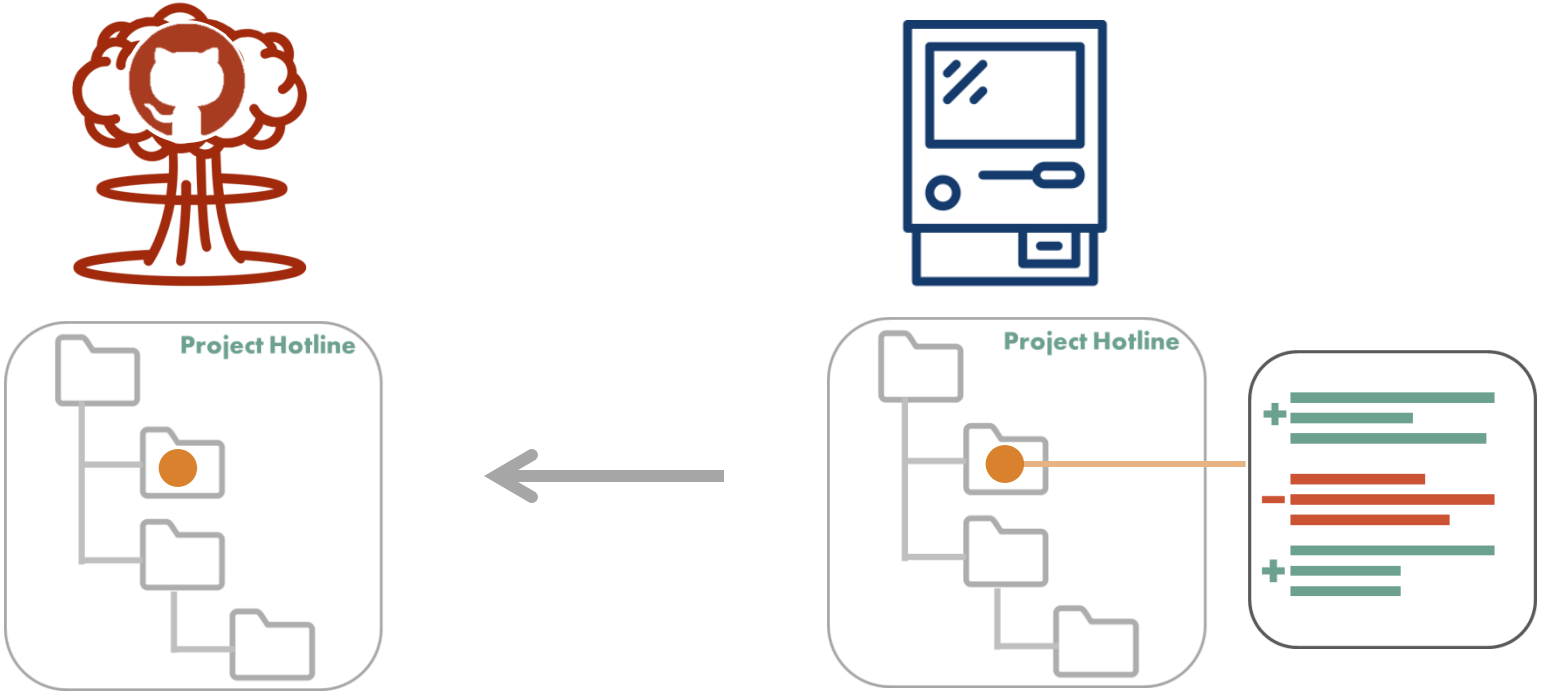
Terminology

Other GitHub repo

Your GitHub repo

Your local repo

Clone (new)



pull request

Terminology

Other GitHub repo

Your GitHub repo

Your local repo

Pull Request

new project

Workflow

a. Create repo on Github

b. Clone to repo to desktop

c. [Work]

d. Commit material/changes

collab. project

Workflow

a. Fork repo on Github from other user

b. Clone to repo to desktop

c. [Work]

d. Commit material/changes to your fork

e. Pull request with changes

1. Create a repository & add README (doomsday)
2. Clone to local machine
3. Add description to the README
4. Commit changes
5. Push/sync
6. Check GitHub
7. Create a new csv/txt file
8. Update gitignore to ignore csv/txt
9. Collaboration workflow - fork/clone/pull OR clone/branch/merge

Exercises

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Notes and Attribution

- Presented by Aaron Chafetz, USAID
- Adapted from the USAID "Dr. Strangecat or: How I Learned to Stop Worrying and Love to Git" (DC) April 25, 2018 and presented at ICPI on August 9, 2019
- Reference material
  - Bryan J. (2018). Happy Git and GitHub for the useR - http://happygitwithr.com/
  - Bryan J. (2018). What They Forgot To Teach You About R Workshop (Rstudio:::conf session)
- Image Sources
  - Peter Sellers - http://www.tcm.com/this-month/article/17930%7C0/Dr-Strangelove.html & https://film.avclub.com/with-dr-strangelove-kubrick-shot-a-brilliant-satire-l-1798188226
  - The Noun Project Icons: bomb – Ben Davis; Computer – Yorlmar Campos; Folder – unlimicon; old computer - Hea Poh Lin; Mushroom Cloud – HeadsOfBird

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