### Practical Git

Git For Everyone

Michael Gasch Staff Engineer VMware Office of the CTO

@embano1 www.mgasch.com

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Agenda Part 1 - Git...what?

Resources

Useful Tools for your Git Toolbelt

Demo Time

Part 2 – Github Actions

Resources

**Demo Time** 



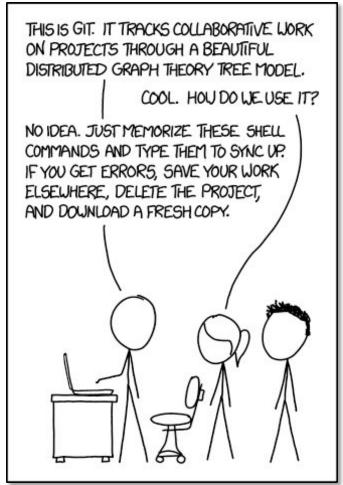
### Git...what?



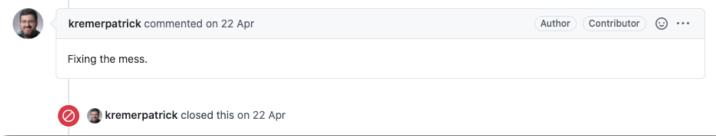
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**vm**ware<sup>®</sup>

#### Git shouldn't be that hard!







@xkcdComic



# "Git is for Developers!"



# Everyone "Git is for Developers!"



#### Git Benefits for Everyone

Mapping Routine Tasks to Git Concepts

Scripts

Configuration Files (TF, Kubernetes, etc.)

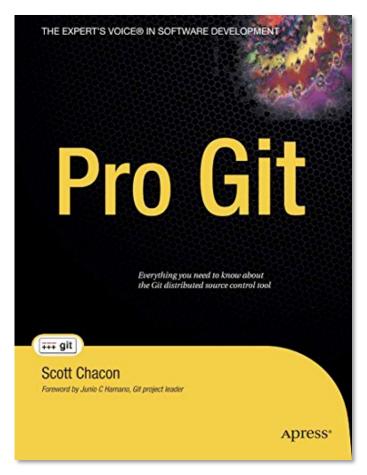
Dotfiles

Documentation (READMEs, etc.)

What you want	…is what you Git ☺
Snapshots ("I want unlimited UNDO")	Commits and Tags (History)
Documentation ("Why the heck did I do that?")	Commit Messages
Virtual Folders/Files/Environments	Branches
Backup	Remotes
Share Files	Remotes



#### Git Resources



https://git-scm.com/book/en/v2



https://thoughtbot.com/upcase/mastering-git



#### Git Resources

Of course, there's more

https://guides.github.com/

http://ndpsoftware.com/git-cheatsheet.html#loc=stash;

https://dev.to/citizen428/10-common-git-problems-and-how-to-fix-them-234o

http://sethrobertson.github.io/GitFixUm/fixup.html

https://www.git-tower.com/blog/git-cheat-sheet/



### Useful Tools for your Git Toolbelt

Your Terminal of choice 99

https://code.visualstudio.com/

https://github.com/ohmyzsh/ohmyzsh

https://github.com/so-fancy/diff-so-fancy

https://www.gitkraken.com/

VS Code Extensions

- Git Lense|Blame|Graph
- Markdown Preview Github
- Github Theme
- Github Pull Requests



#### Demo Time!

# "Show me the Money!"

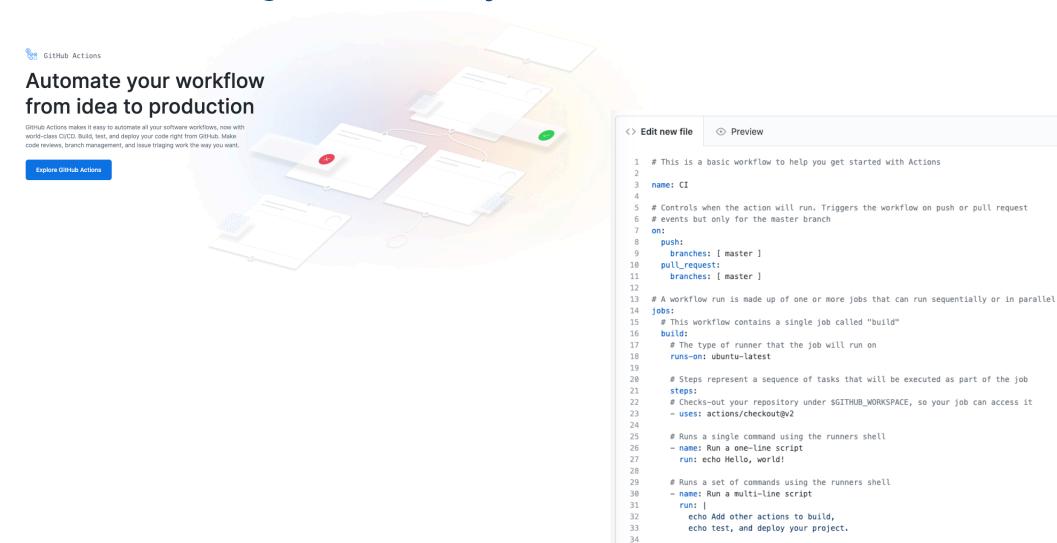


### Github Actions



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#### A Workflow Engine for Everyone





@embano1

#### Github Actions Resources

https://docs.github.com/en/actions/getting-started-with-github-actions/about-github-actions

https://docs.github.com/en/actions/getting-started-with-github-actions/overview

https://docs.github.com/en/actions/language-and-framework-guides/publishing-docker-images

https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions



#### Github Actions Resources

https://docs.github.com/en/actions/reference/events-that-trigger-workflows

https://docs.github.com/en/developers/webhooks-and-events/github-event-types

https://docs.github.com/en/actions/reference/context-and-expression-syntax-for-github-actions

https://docs.github.com/en/actions/reference/software-installed-on-github-hosted-runners

https://www.edwardthomson.com/blog/github\_actions\_advent\_calendar.html



#### Useful Tools for your Actions Toolbelt

https://github.com/nektos/act

https://marketplace.visualstudio.com/items?itemName=cschleiden.vscode-github-actions

https://marketplace.visualstudio.com/items?itemName=me-dutour-mathieu.vscode-github-actions



It's Demo Time again!

# "Show me more Money!"



## Thank You

@embano1 www.mgasch.com

