GIT

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WHAT IS GIT ?

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WHAT IS GIT

- distributed version control system
- for tracking changes in computer files
- coordinating work on those files among multiple people
- Git was created by Linus Torvalds in 2005

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WHY WE NEED

GIT ?

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WHY WE NEED GIT ?

- Work with multiple people
- Work for different version
- Branching (master/dev/hot fix)
- Urgent bug fixed
- Code History
- Backup

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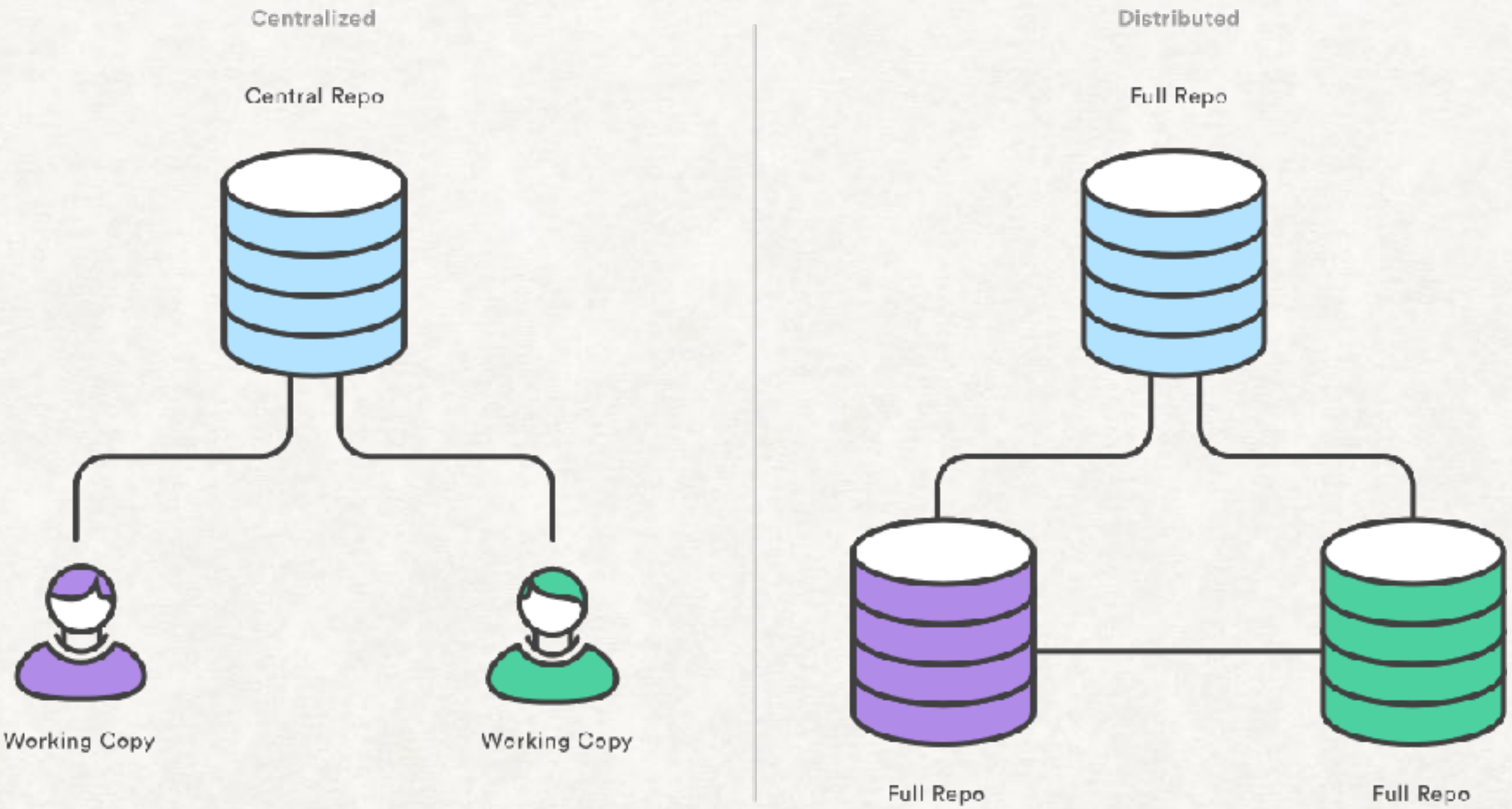
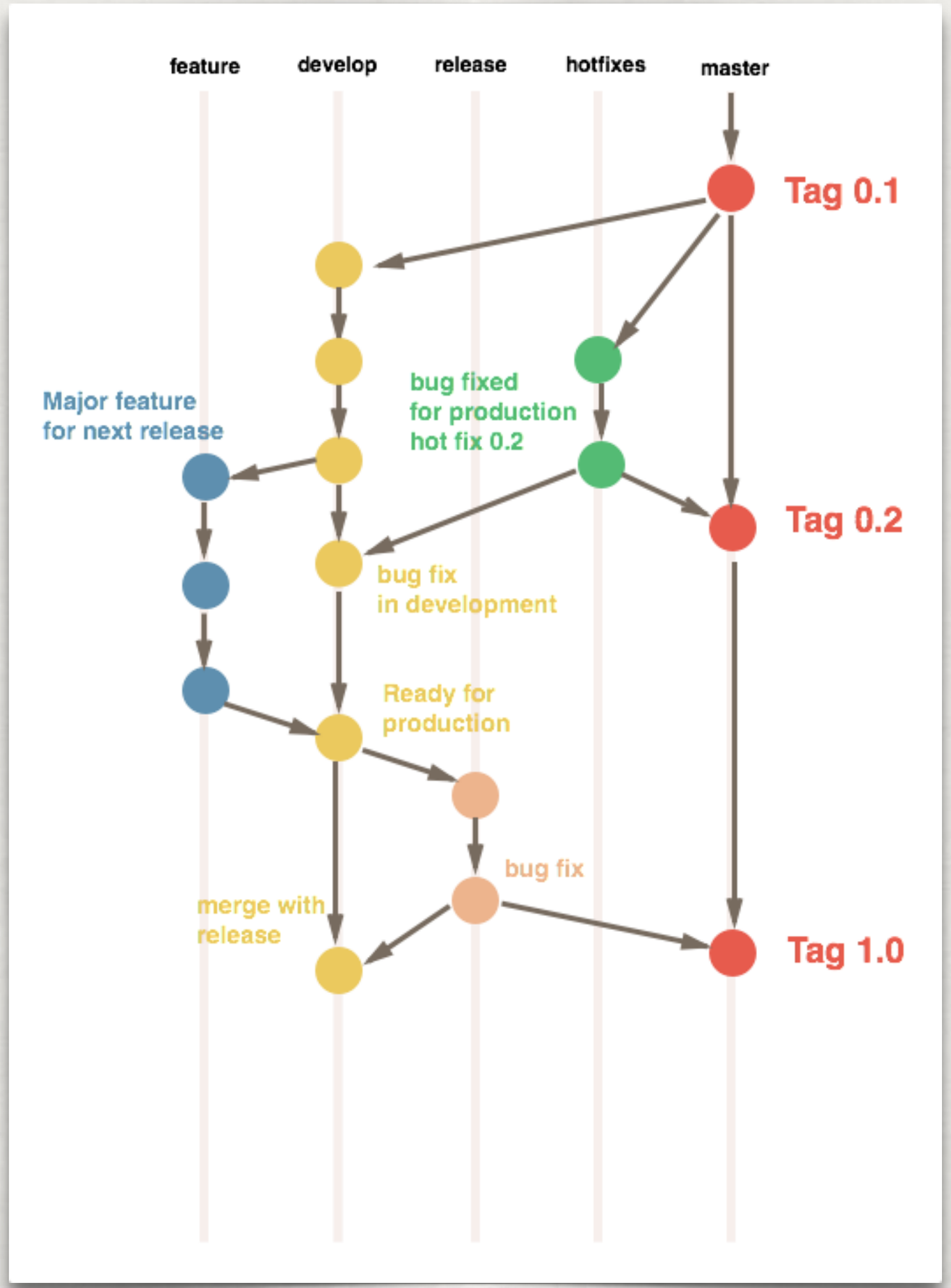
DISTRIBUTED DEVELOPMENT

IN YOUR LOCAL COMPUTER




feature
develop
release
hotfixes
master
Tag 0.1
Major feature
for next release
bug fixed
for production
hot fix 0.2
Tag 0.2
bug fix
in development
Ready for
production
bug fix
merge with
release
Tag 1.0

WHEN WE NEED

GIT ?

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WHEN WE NEED GIT ?

NOW

- All the codes should be on git repo
- Need to commit before major changes
- Need to commit after major changes
- pull before starting
- push after commit
- Tag it after release
- use dev branch when on development

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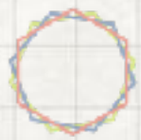
REPO ?

COMMIT ?

TAG?

PUSH ?

PULL ?



REPO

REPOSITORY

- Storage Place
- Git URL to push and pull
- https://saturngod@gitlab.com/comquas/awesomeProject.git

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COMMIT

LIKE HISTORY

- All the changes with description
- Can check who changes the codes

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TAG

SAVING POINT

- A lot of commit , not easy to find
- Want to put the label for commit, use the tag

v2.7.0
cd4acbf4 · -Ads in browseDetailVC · 4 days ago

v2.6.2
2f48d76b · fixed for apple watch · 6 months ago

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PUSH

UPLOAD YOUR CHANGES

- Push to the git repo
- All the commit will upload to git repo

PULL

MERGE WITH CHANGES

- Download other people code
- merge it with your current code
- before pull , **need to commit your current code**

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HOW TO USE GIT

?

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HOW TO USE GIT ?

TIME TO USE GIT

- Need the git repo
- Can get free at Github , Gitlab and Bitbucket
- Create Account
- Create Repo

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DEMO

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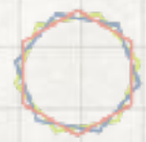
I DON'T LIKE COMMAND LINE



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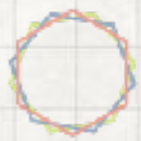
USE GIT CLIENT

APP



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CLIENT APP

GUI CLIENT FOR GIT

- source tree (recommend) (windows,mac,linux)
- gitkraken (windows,mac,linux)
- Tower (mac)
- TortoiseGit (windows)

OTHER

LEARN MORE

- https://try.github.io/
- https://www.atlassian.com/git/tutorials
- https://docs.gitlab.com/ce/gitlab-basics/start-using-git.html

QUESTION ?

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THANKS

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