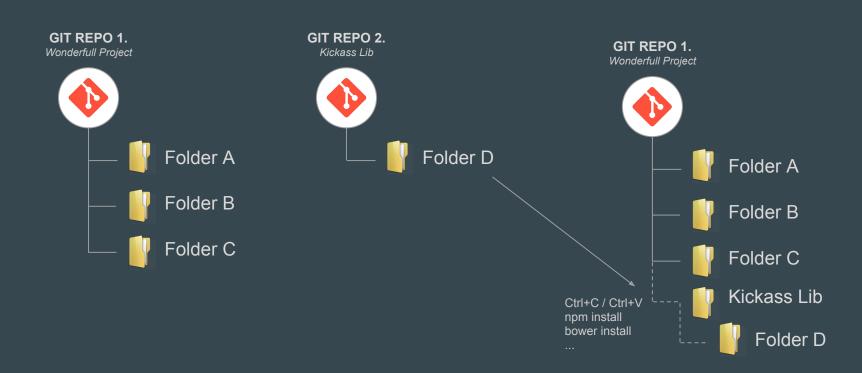
GIT MasterClass

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Submodules & Subtrees

DRY - KISS

Submodules

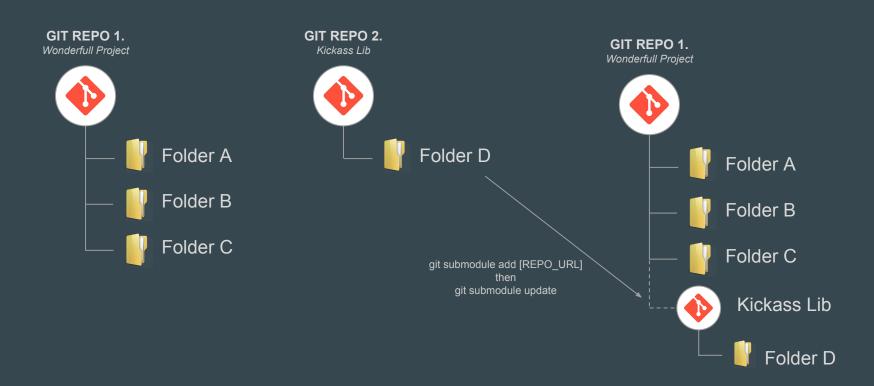


But Wait...

- Updating "Kickass Lib" while in "Wonderfull project"?
 - Changing repository to "Kickass Lib"
 - Doing something
 - Save
 - Publish
 - Changing repository to "Wonderfull Project"
 - Updating
 - Test
 - If (you're a good developper) Job Done!
 - Else Repeat.

Solution => Submodule

Submodules



And then...

- Updating "Kickass Lib" while in "Wonderfull project"?
 - Changing directory to "Kickass Lib"
 - Doing something
 - Save
 - Test
 - If (you're a good developper)
 - Push Repository
 - Else Repeat.

Very less PITA in fact... but...



One fit them all ?! Hu... No... Clearly not.,

- You must limit yourself to few (one) submodule
- You loose log visibility of submodule
- Very hard workflow when mixed with git-flow
- Headaches when using multiple remote
- All is breaking easily and badly

When misused, submodules will burn your house down.

So when should I use it?

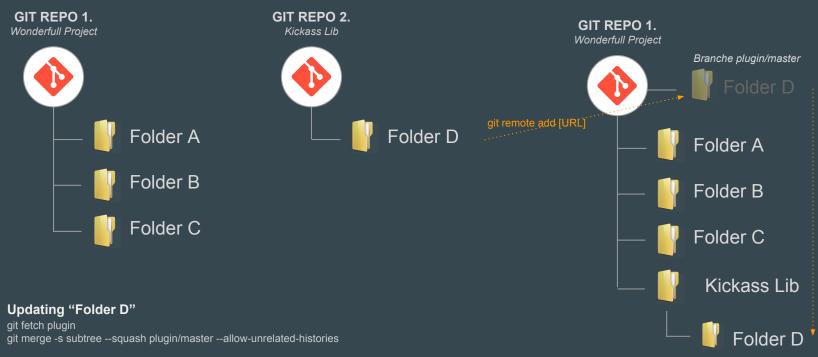
- Sub-project or library almost dedicated to the main project
- Heavy library development in correlation of the main project
- You are sharing the project and the sub-project together.

Subtrees

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Strategy over tools

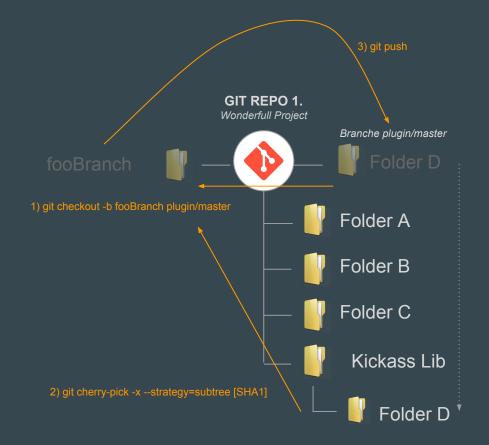
Subtrees



Benefits

- You can alter/commit over the other branch
- "submodule updates" not needed anymore! Teamates are always up to date.
- Commit everything in one commit (but you'll be a nasty boy if you do that)
- Choose what "plugin" commit you want in your repo
- "Safer" if used with roles
- Almost easy to update

Subtrees



Credits

http://somethingsinistral.net/blog/git-submodules-are-probably-not-the-answer/