Drupal and Source Control Management (SCM) using Git/SVN

David Thorne

For Cambridge Drupal Users Group - March '12

Contents (Or an idea of)

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- What is Source Control (Referencing Git and Subversion/SVN)

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- Why use Source Control (Referencing Git and SVN)

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- Git workflows (Advanced topic, basic ideas)

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- Why Drupal chose Git (Summary)
- SVN basics
- Git basics
- Git workflows (Advanced topic, basic ideas)
- Q & A

What is Source Control (a)

- Simply put Source Control is an easy way to help prevent screwing up when working in teams!

What is Source Control
Example 1

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- Jeff does modules

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- Jeff does modules
- Anthony does themes

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- Jeff spots violation of HTML5 and corrects it

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- SCM = Merge

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- It's essential

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  - Distributed (git, hg, bzr)
  - Centralised (svn, CVS)
  - Other types exist but out of scope

Why Git

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- Why not?

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- It's Linus' beast

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Why Git

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- It's Linus' beast
- GITHUB!
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- Drupal uses it

Why Git (b)

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- It's Linus' beast (I'm smart - you're not attitude)

Why Git (b)

- It's over complicated
- It's Linus' beast (I'm smart - you're not attitude)
- Steep learning curve (See above!)

Why Git (c)

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- Linus' reasoning (Everything else is stupid)

Why Git (c)

- Linus' reasoning (Everything else is stupid)
  - http://youtu.be/4XpnKHJAok8 (An hour long!)

Why Drupal chose Git

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- http://groups.drupal.org/node/48818?page=2#comment-133893 (summary)
  - coders were leaving for github
  - larger community

SVN Basics

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- svn branch

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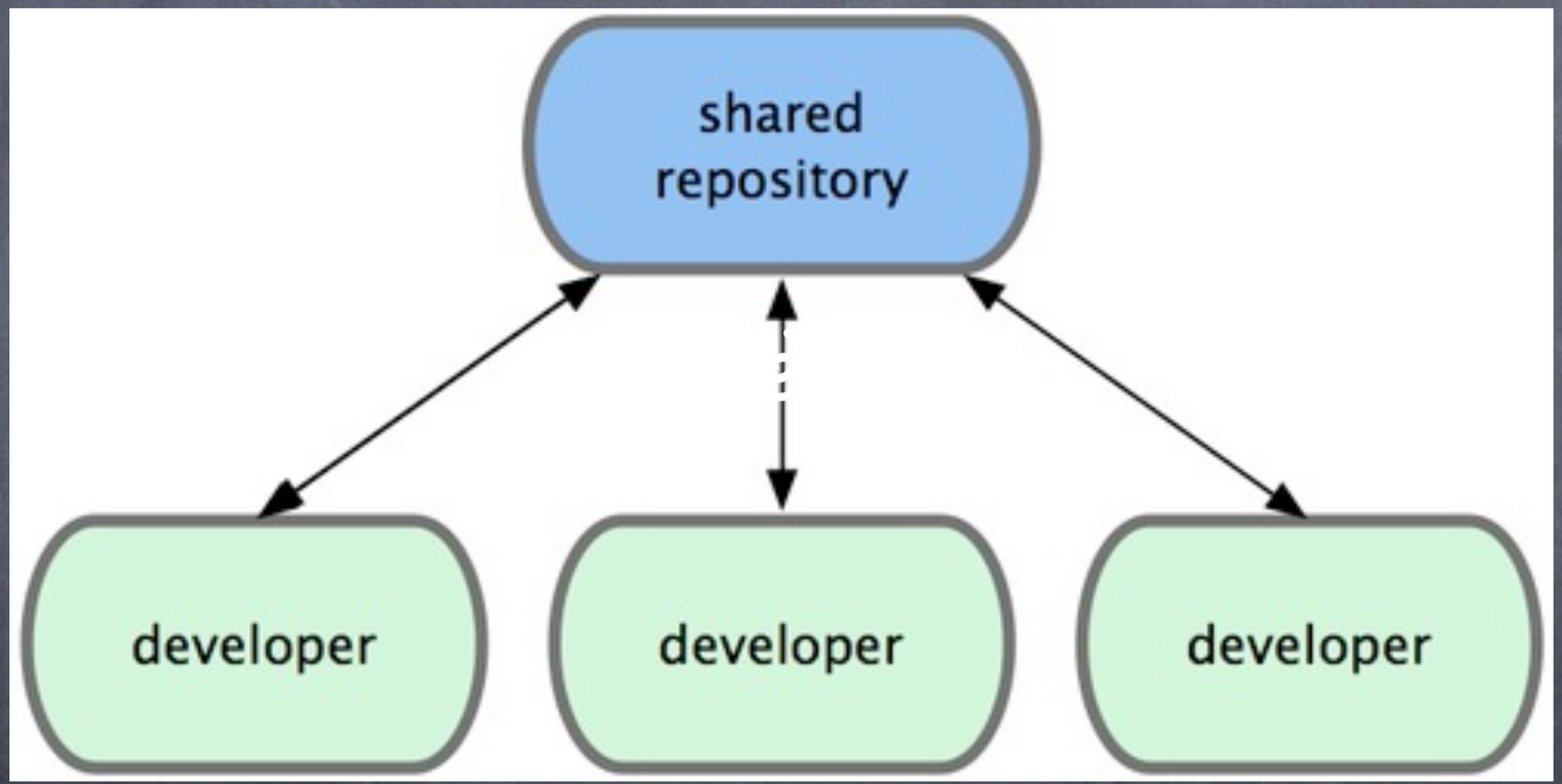
Git Workflows - Centralised



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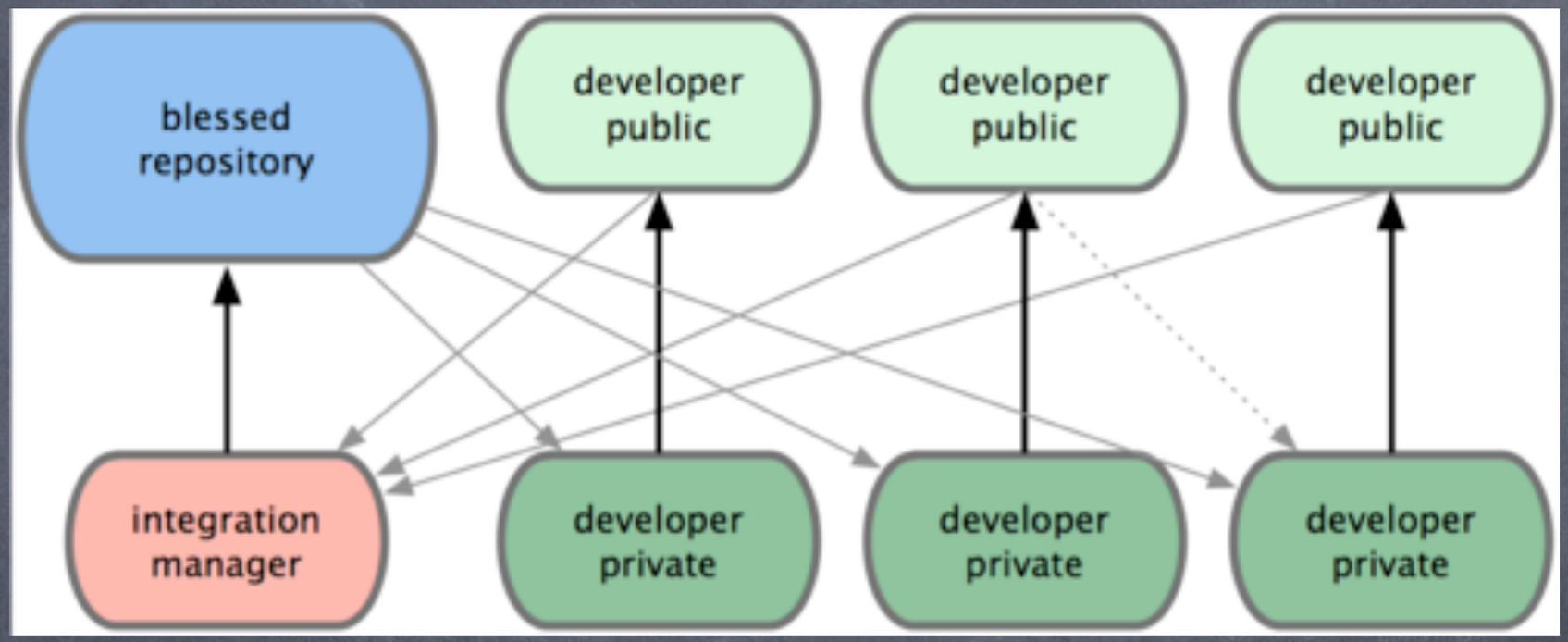
- Integration Manager (Blessed, Drupal to a degree)

Git Workflows - Integration



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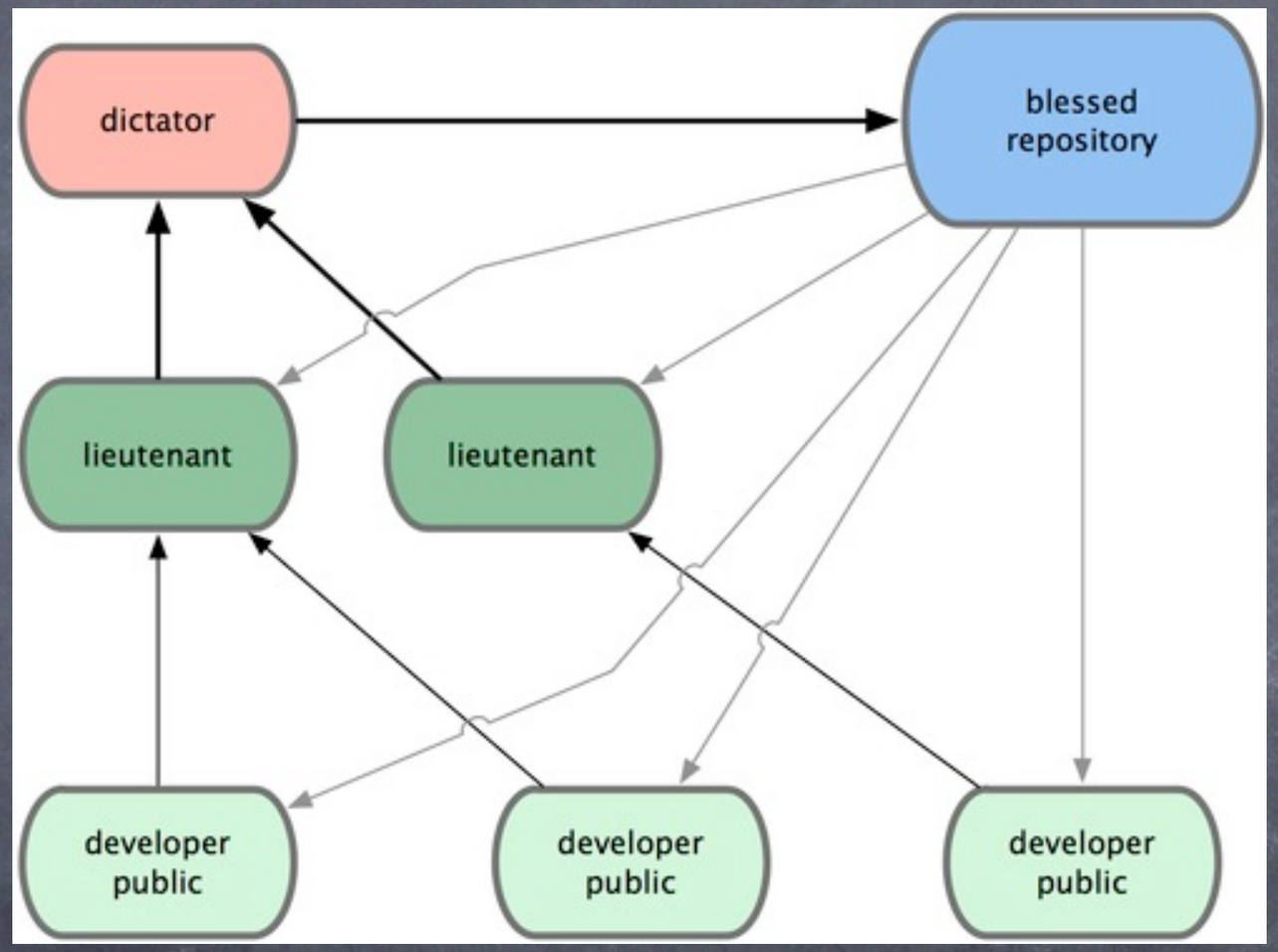
- Integration Manager (Blessed, Drupal to a degree)
- Dictator and Leuitennant (Blessed with few key commiters - Drupal Core, to a degree)

Git Workflows - BDFL



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Q & A

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- Over to you...

THANK YOU!

- https://github.com/cferthorney/Drupal-SCM-Presentation.git
- Twitter - http://twitter.com/cferthorney
- Email: david@cferthorney.com