DRUPALCAMP STOCKHOLM, MARCH 8 2013

Branch branch branch and then rebase a Git workflow

Speaker: Fredrik Jonsson

broken English

vs

hygglig svenska

Fredrik Jonsson

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- Started using Drupal 2003.
- Freelance Drupal developer since 2006.
- Maintainer of the Colorbox, Modal forms, Markdown and Markdown editor modules.
- Recently started Drupalsnack.se podcast.

drupalsnack.se
@drupalsnack
RSS & iTunes

Av Drupalfolk för Drupalfolk på svenska

Git

What works for you are good.

This works for me...

branch

branch

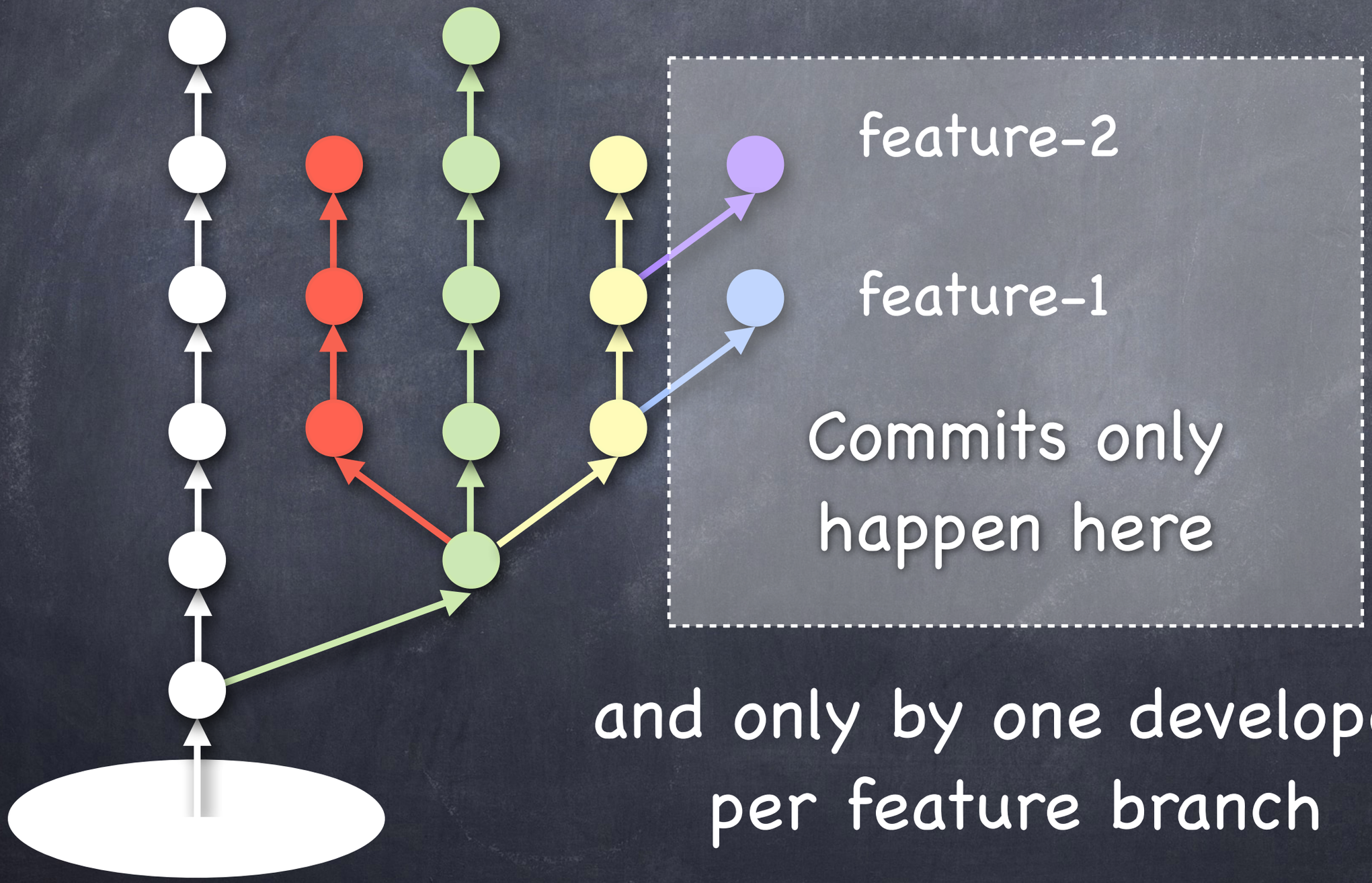
branch

master

prod

stage

sprint-1



feature-2

feature-1

Commits only
happen here

and only by one developer
per feature branch

rebase

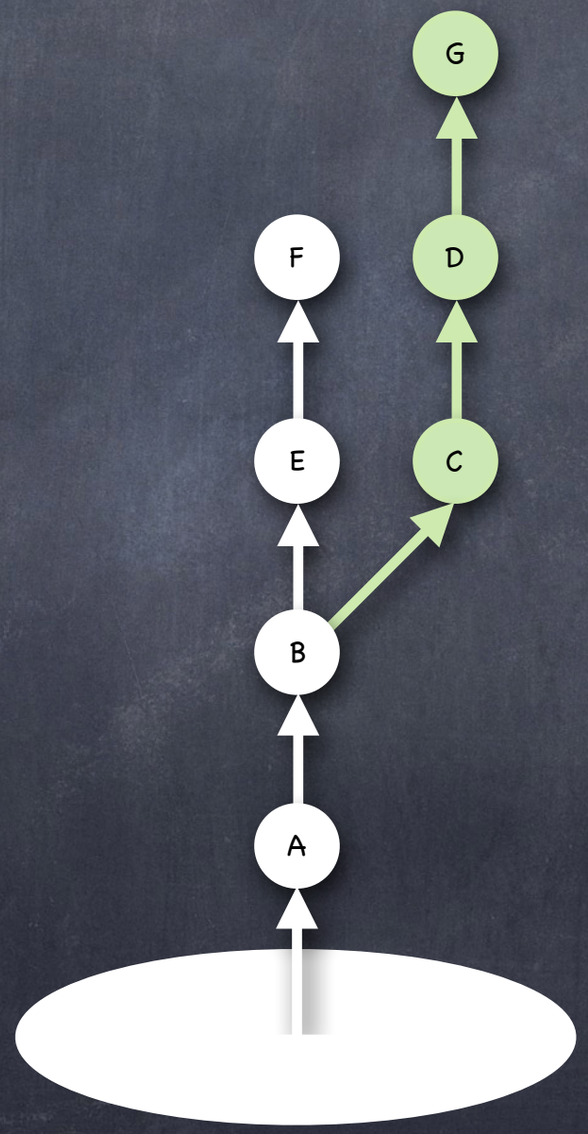
vs

merge

sprint-1 feature-1

What now?

git commit
git add
git commit
git add
git commit
git add
git commit
git add
git init

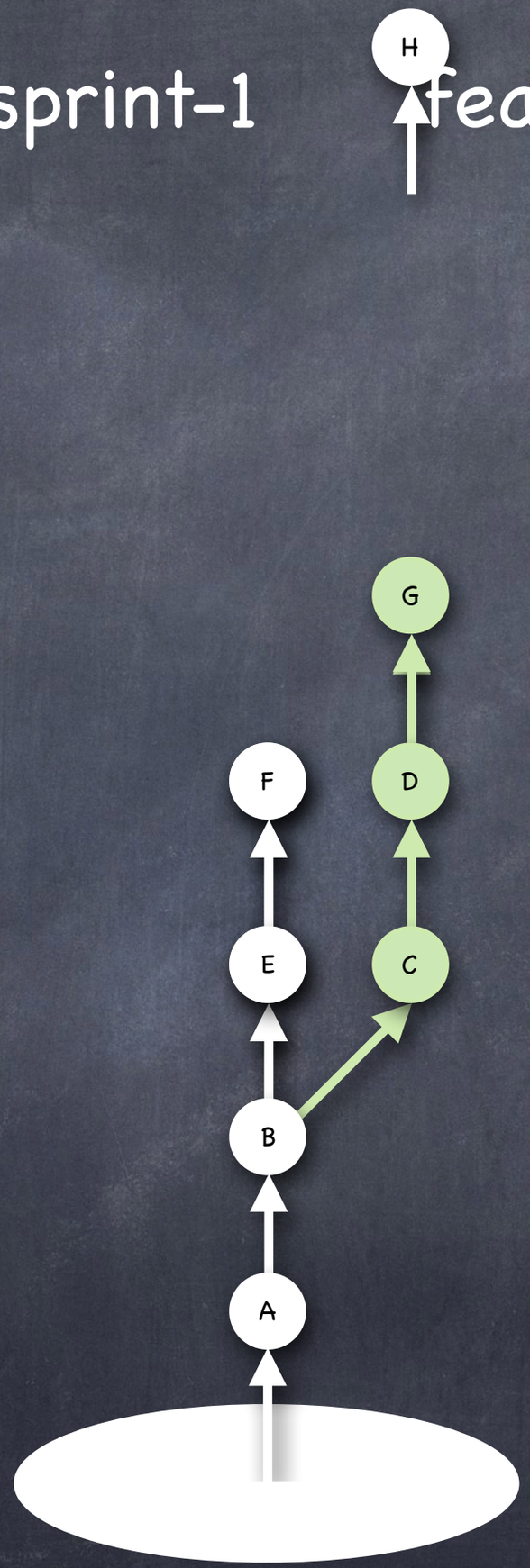


git commit
git add
git commit
git add
git commit
git add
git branch

merge

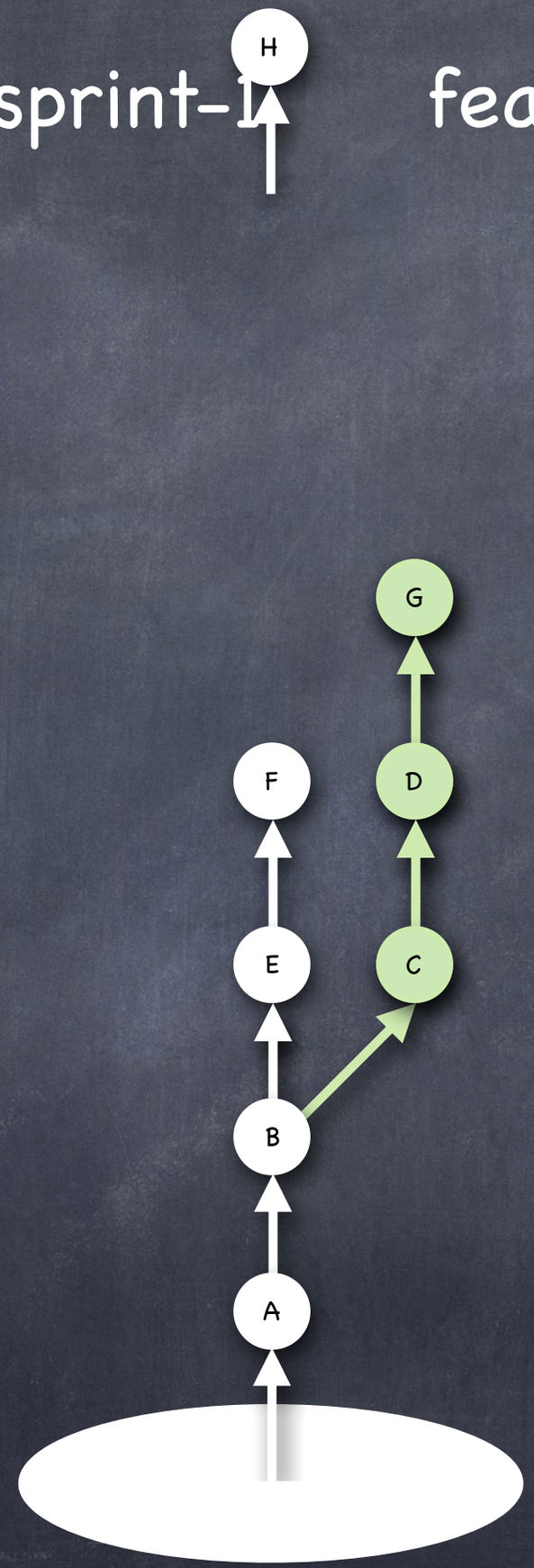
sprint-1

feature-1



sprint-1

feature-1

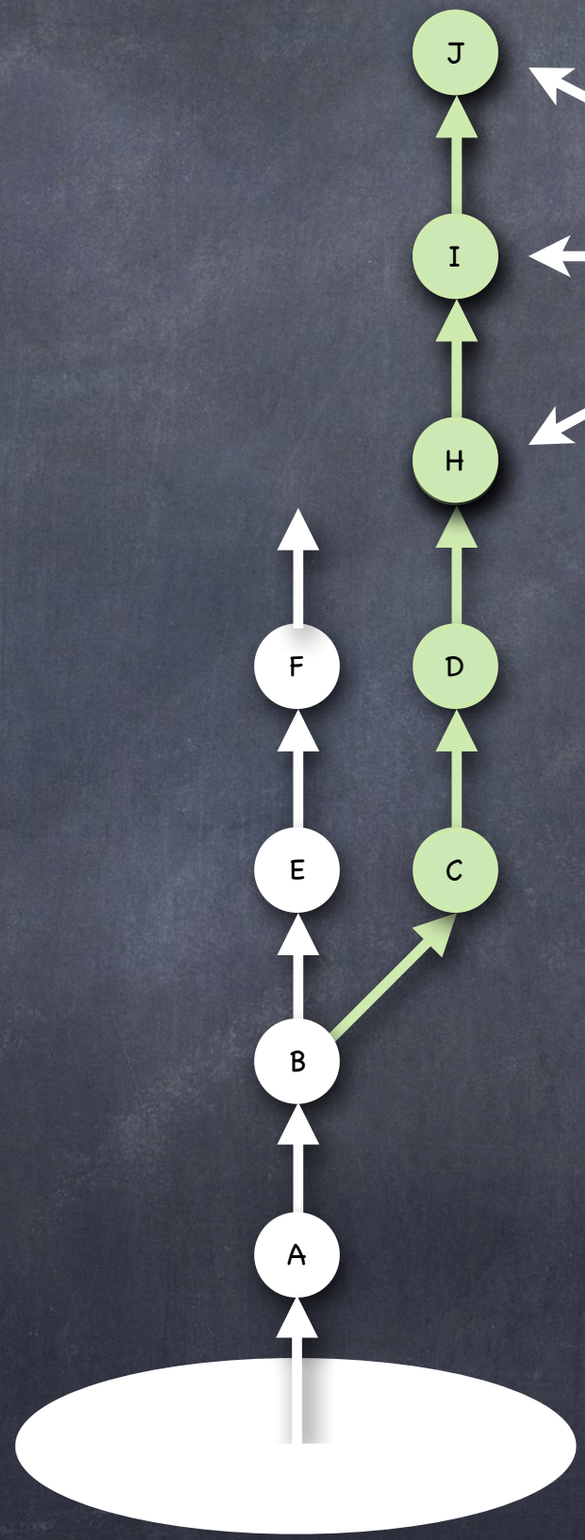


- Commits for a feature are spread out in the log.
- Pesky merge commits everywhere.
- Big merges to main branch are conflict prone.
- Do many merges to feature branch to resolve conflicts there instead and you get even more pesky merge commits.

rebase

sprint-1

feature-1



Commits gets new hash!

- Commits for a feature are shown together in the log.
- Any merge conflicts are resolved in the feature branch where only you work.
- No messy merge commits.

~/.gitconfig

```
# Push only current branch, not all, to the remote
# branch with the same name.

$ git config --global push.default tracking

# Setup rebase for every tracking branch

$ git config --global branch.autosetuprebase always

# On OS X ctime gan give Git the impression that
# files have changed when they have not.

$ git config --global core.trustctime false
```

```
# Git stuff
alias g='git'
alias ga='git add -u .'
alias gaa='git add --all .'
alias gci='git commit -a -m'
alias gcm='git commit -m'
alias gcam='git commit --amend -m'
alias gst='git status -sb'
alias gcp='git cherry-pick'
alias gbr='git branch'
alias gfo='git fetch origin'
alias gp='git push'
alias gpo='git push -u origin'
alias gl='git pull'
alias glnr='git pull --no-rebase'
alias grm='git rebase origin/master'
alias gde='git diff --patch-with-stat | bbedit --clean --view-top --pipe-title Diff.patch'
alias gdes='git diff --staged --patch-with-stat | bbedit --clean --view-top --pipe-title Diff.patch'
alias glo='git log | bbedit --clean --view-top --pipe-title Log.txt'

# Git Drupal projects
alias gr6='git rebase origin/6.x-1.x'
alias gr62='git rebase origin/6.x-2.x'
alias gr63='git rebase origin/6.x-3.x'
alias gr7='git rebase origin/7.x-1.x'
alias gr72='git rebase origin/7.x-2.x'
alias gr73='git rebase origin/7.x-3.x'

# Git Sprint Rebase
alias grs1='git rebase origin/sprint-1'
alias grs2='git rebase origin/sprint-2'
alias grs3='git rebase origin/sprint-3'
alias grs4='git rebase origin/sprint-4'
alias grs5='git rebase origin/sprint-5'
alias grs6='git rebase origin/sprint-6'
alias grs7='git rebase origin/sprint-7'
alias grs8='git rebase origin/sprint-8'
alias grs9='git rebase origin/sprint-9'
alias grs10='git rebase origin/sprint-10'
alias grs11='git rebase origin/sprint-11'
alias grs12='git rebase origin/sprint-12'
alias grs13='git rebase origin/sprint-13'
alias grs14='git rebase origin/sprint-14'
alias grs15='git rebase origin/sprint-15'
alias grs16='git rebase origin/sprint-16'
alias grs17='git rebase origin/sprint-17'
alias grs18='git rebase origin/sprint-18'
alias grs19='git rebase origin/sprint-19'
alias grs20='git rebase origin/sprint-20'
```

alias g='git'

alias gst='git status -sb'

alias gci='git commit -a -m'

More

- git-scm.com/book
- gitref.org
- gitready.com
- think-like-a-git.net
- http://randyfay.com/topics/git
- mislav.uniqpath.com/2010/07/git-tips/
- http://blip.tv/open-source-developers-conference/git-for-ages-4-and-up-4460524

Questions

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xdeb.net

xdeb.org/blog/frjo

creative commons

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