

Versionskontrolle mit git-flow von Kai Kroker

Kai Kroker?

TWT Interactive
Teamleiter Entwicklung

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Orga

- Slides auf Github (jetzt) und Slideshare (später)
- Fragen fragen
- Eigene Erfahrungen mitteilen

Ziele

- Prinzip git-flow vorstellen
- Erfahrungen vermitteln
- Entscheidungsgrundlage bieten

git-flow?

eine Billion Branches

Kontrollverlust

Chaos

dezentral

Destruction

jeder mit jedem



doch

SVN

???

git-flow!

Anforderungen

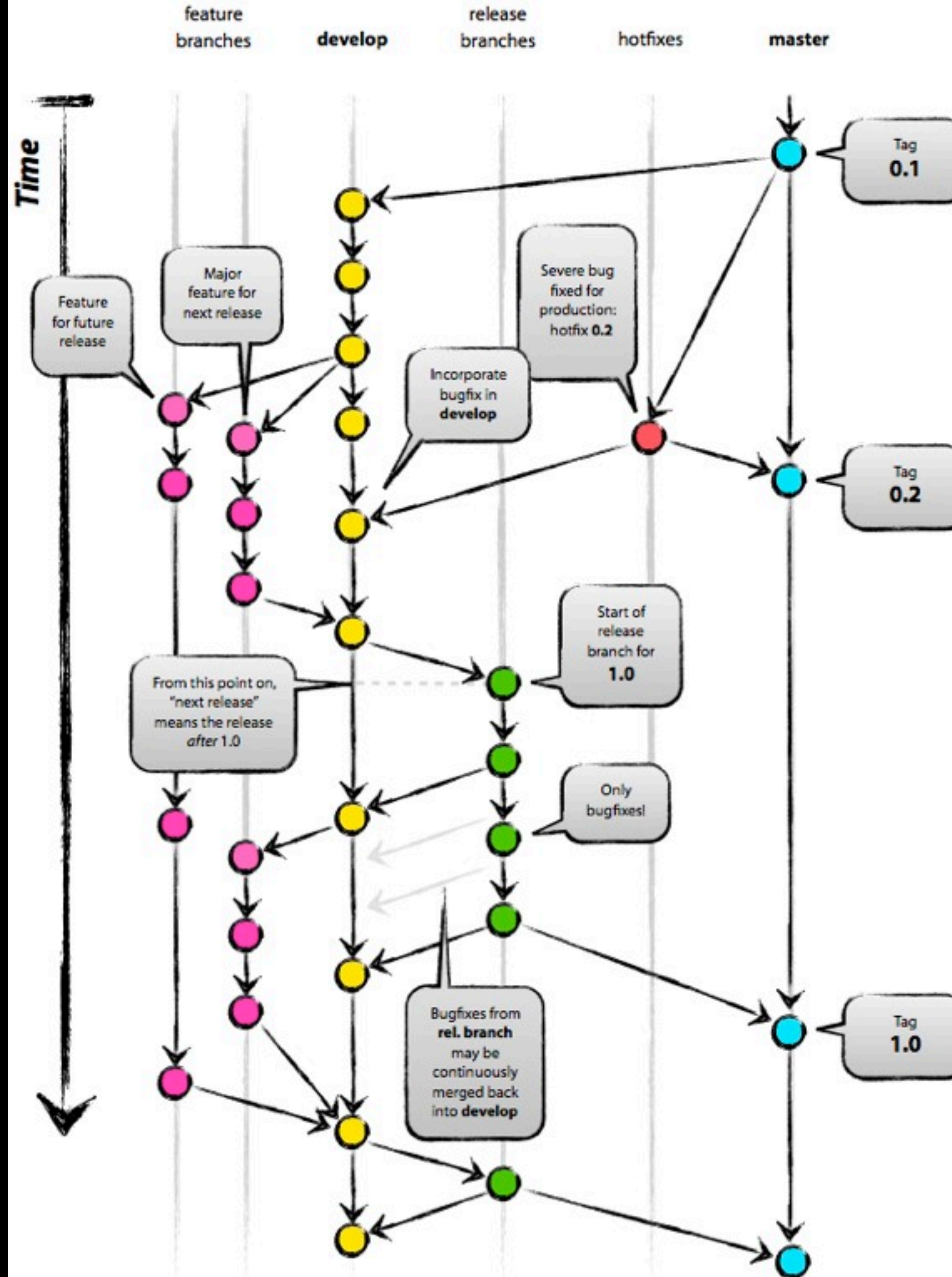
- Entwickler unabhängiger machen
- flexibel Features entwickeln
- langfristige Versionspflege ermöglichen
- Release Management und Deployment unterstützen
- Kontrolle behalten

git-flow?

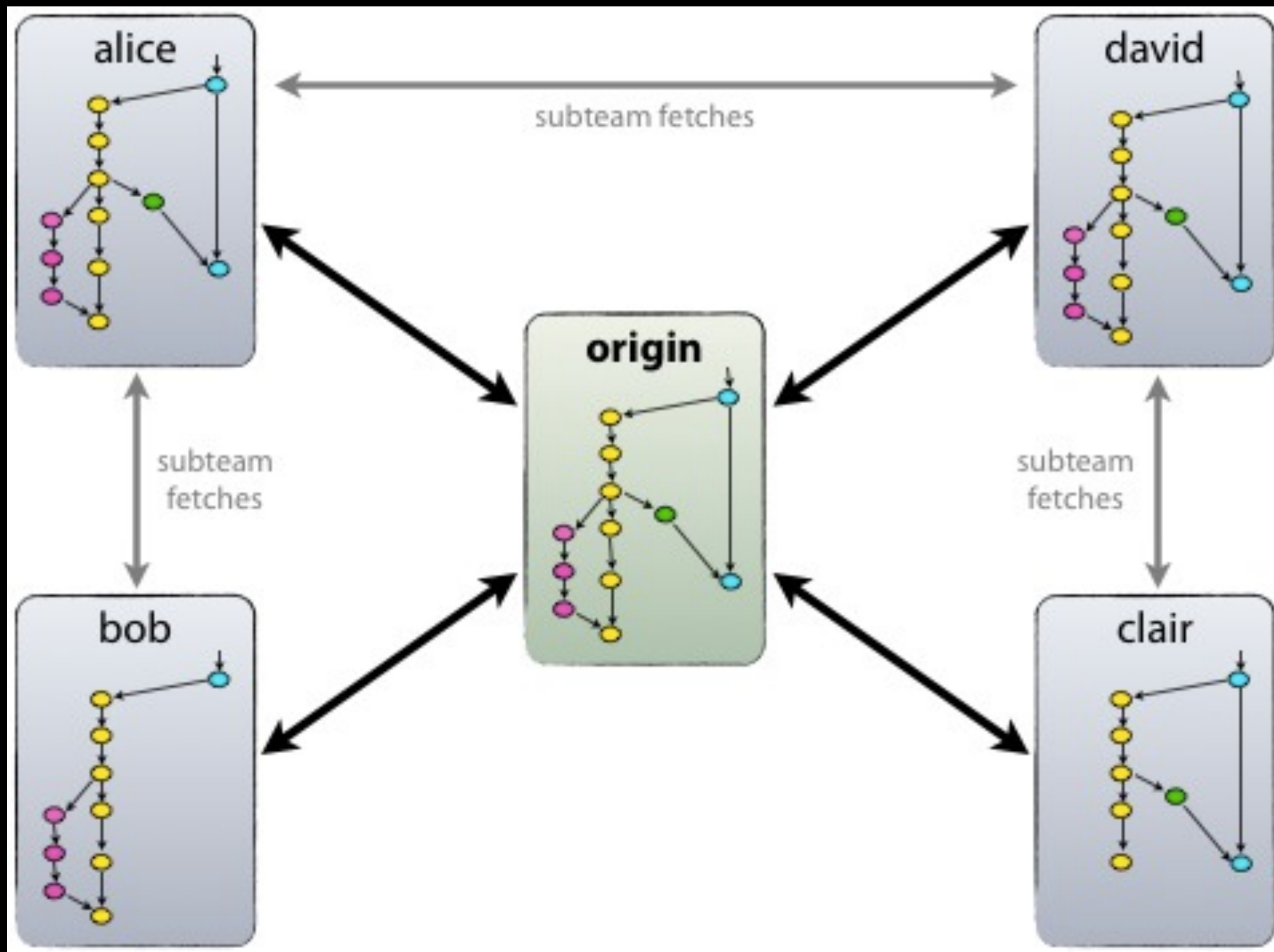


Say What?

- Regelwerk
- Prozessbeschreibung
- Vorgehensweise
- später abgebildet in git CLI und git Clients



Repository



Rollen

Entwickler

Integration Manager



Branches

master

develop

feature

release

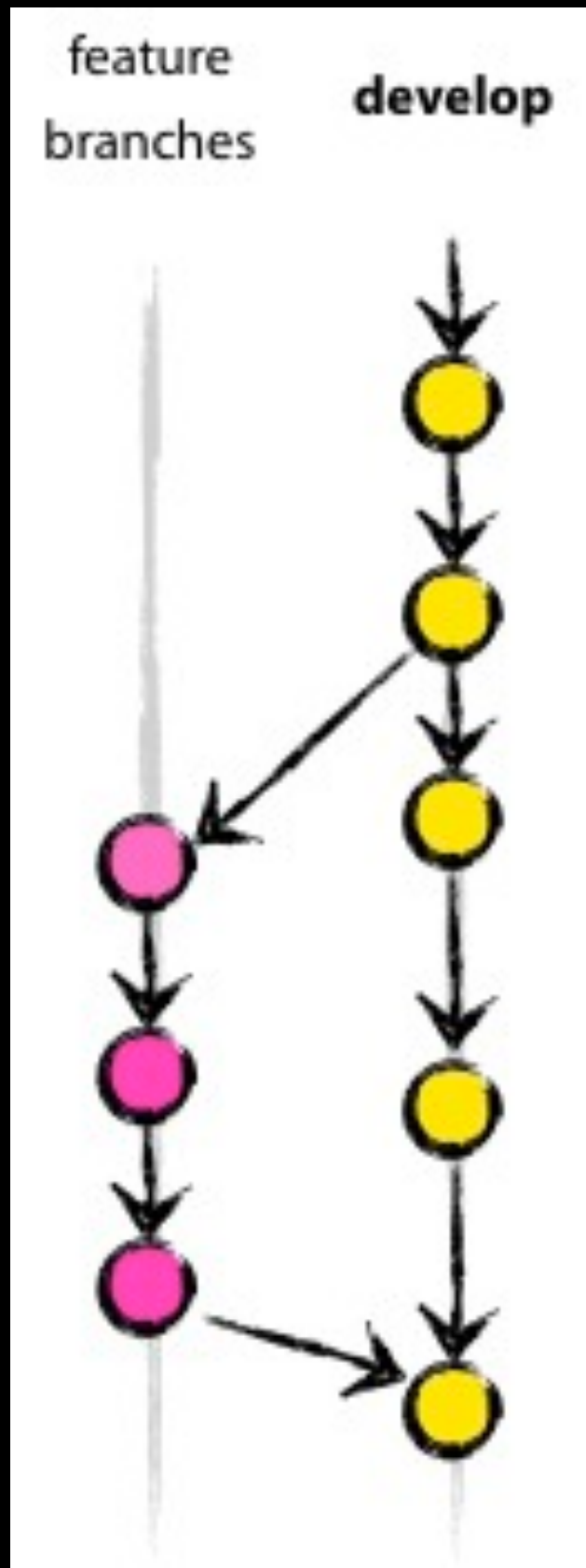
hotfix

support

Prozesse

Neues Feature

- Featurebranch zweigt von develop ab
- merge in develop
- kann Entwicklungen anderer empfangen

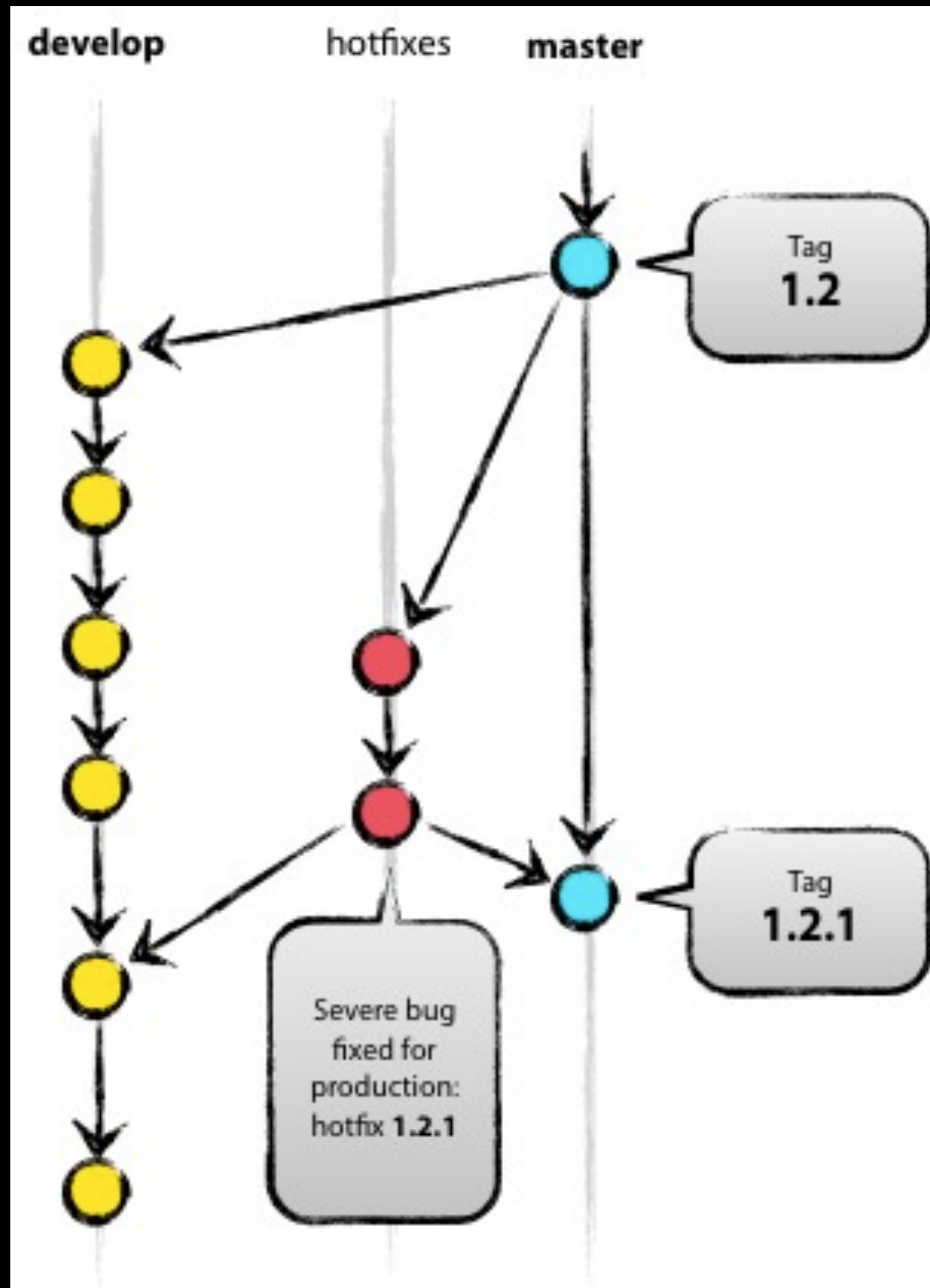


Neues Release

- Releasebranch zweigt von develop ab
- „Restarbeiten“ im Release Branch
- merge in master
- tag Release in master
- merge in develop

HOTFIX!!!

- Hotfixbranch zweigt von master ab
- merge in master
- merge in develop / release



Neue Support Version

- Supportbranch zweigt von master ab
- kann Änderungen aus anderen Branches empfangen
- sollte aber eigentlich nur Hotfixes empfangen

Allgemeines

- NO fast-forward merges (History)

Beispiel

Tools

git flow Plugin

Git extensions to provide high-level repository operations for Vincent Driessen's branching model.

<http://nvie.com/posts/a-successful-git-branching-model/>

 401 commits

 4 branches

 6 releases

 37 contributors




 branch: **develop** ▾










gitflow / 

Use git_do where appropriate

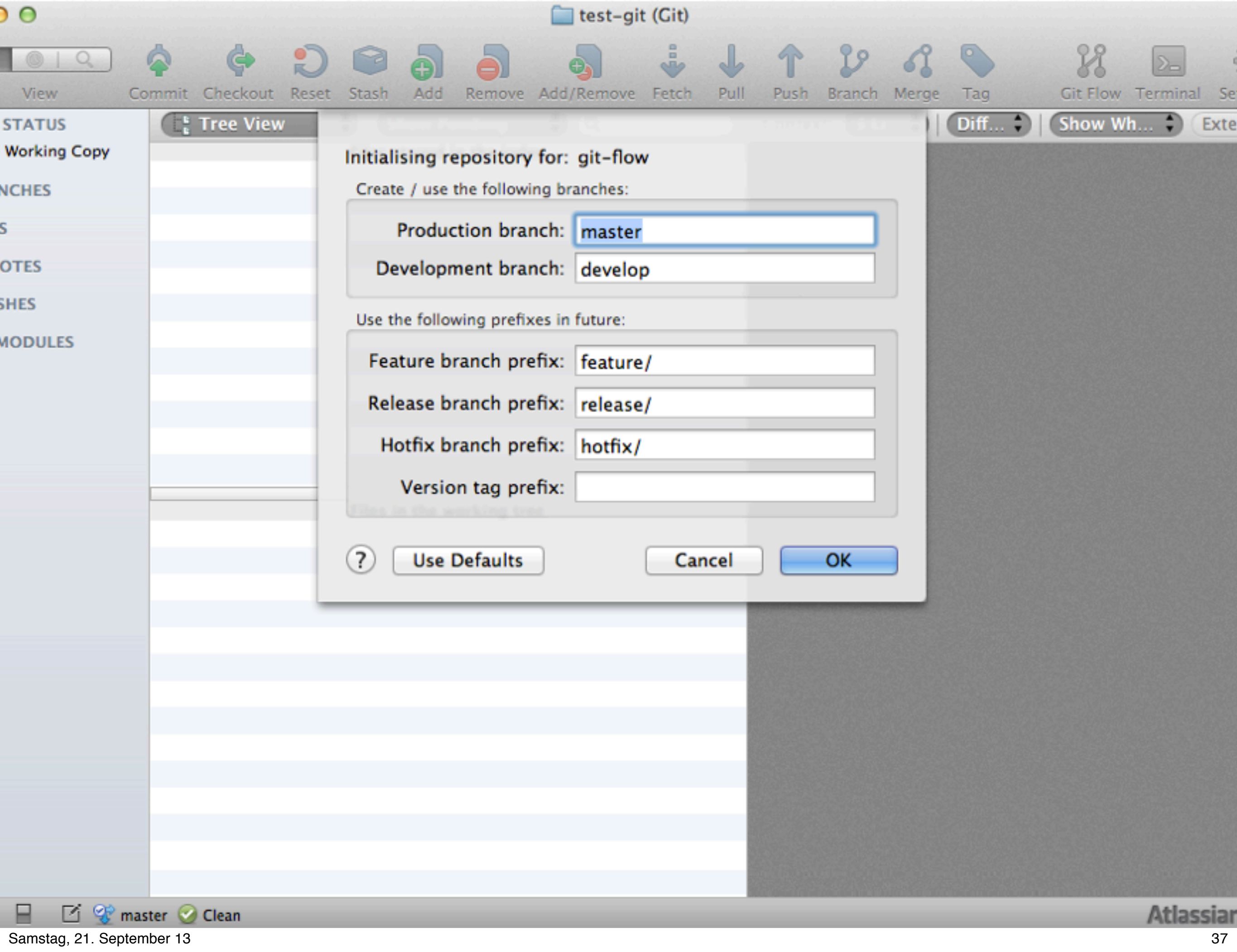


jeromebaum authored a year ago

latest commit 15aab26490 

 contrib	make the installer for msysgit search in ~/bin as well	2 years ago
 .gitignore	Add debian/ubuntu packaging.	2 years ago
 .gitmodules	Revert "Change submodule URL from git:// to http://"	3 years ago
 AUTHORS	Credit where credit is due.	a year ago
 Changes.mdown	Merge branch 'debian-installer' into develop	2 years ago
 LICENSE	Whitespace issue.	3 years ago
 Makefile	Replace contrib/debian/ with a note on how to install on Debian.	2 years ago
 README.mdown	Fix broken link to original blog-post	a year ago
 bump-version	Make git-flow-version a first-class citizen amongst the other subcomm...	4 years ago

Sourcetree



Ziele erreicht?

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Quellen

- <http://nvie.com/posts/a-successful-git-branching-model/>
- <http://nvie.com/files/Git-branching-model.pdf>
- <https://www.atlassian.com/git/workflows#!workflow-gitflow>

Quellen

- <https://github.com/nvie/gitflow>
- <http://gitlab.org/>
- <http://www.sourcetreeapp.com/>

Quellen

- <http://svenpet.com/talks/dont-use-git/>

- stuff to show live:
 - commandline
 - git flow install
 - git flow init
 - feature
 - release
 - hotfix
 - git flow in sourcetree

Nachweise

- <http://www.flickr.com/photos/damienpollet/>
- <https://www.atlassian.com/git/workflows>
- <http://nvie.com/posts/a-successful-git-branching-model/>
- [http://en.wikipedia.org/wiki/
File:Agerboern.jpg](http://en.wikipedia.org/wiki/File:Agerboern.jpg)