

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

Sodom und Gomorrha



doch

SVN

???

git-flow!

Anforderungen

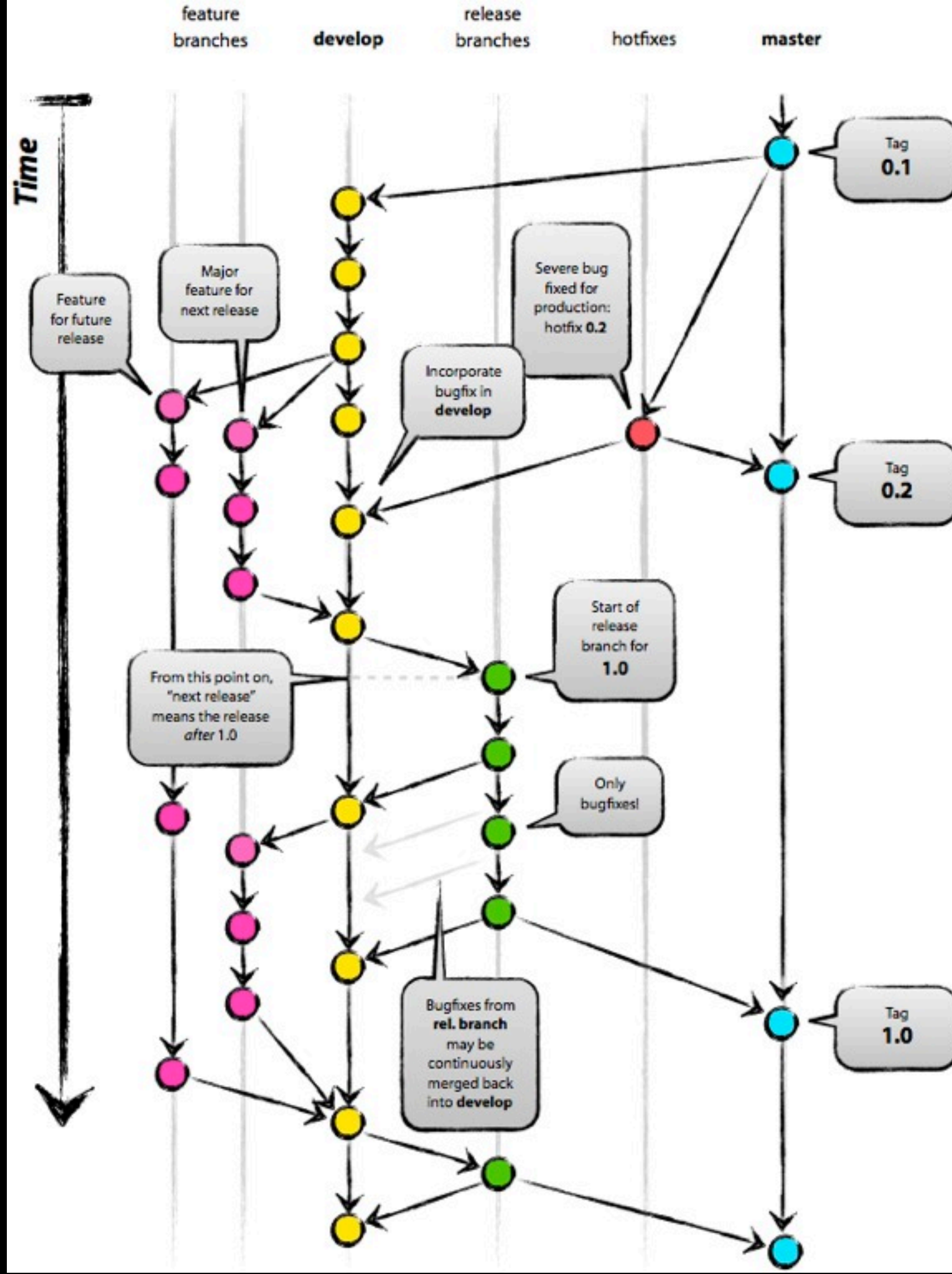
- Entwickler unabhängiger machen
- flexibel Features entwickeln
- langfristige Versionspflege ermöglichen
- Release Management und Deployment unterstützen
- Kontrolle behalten

git-flow?

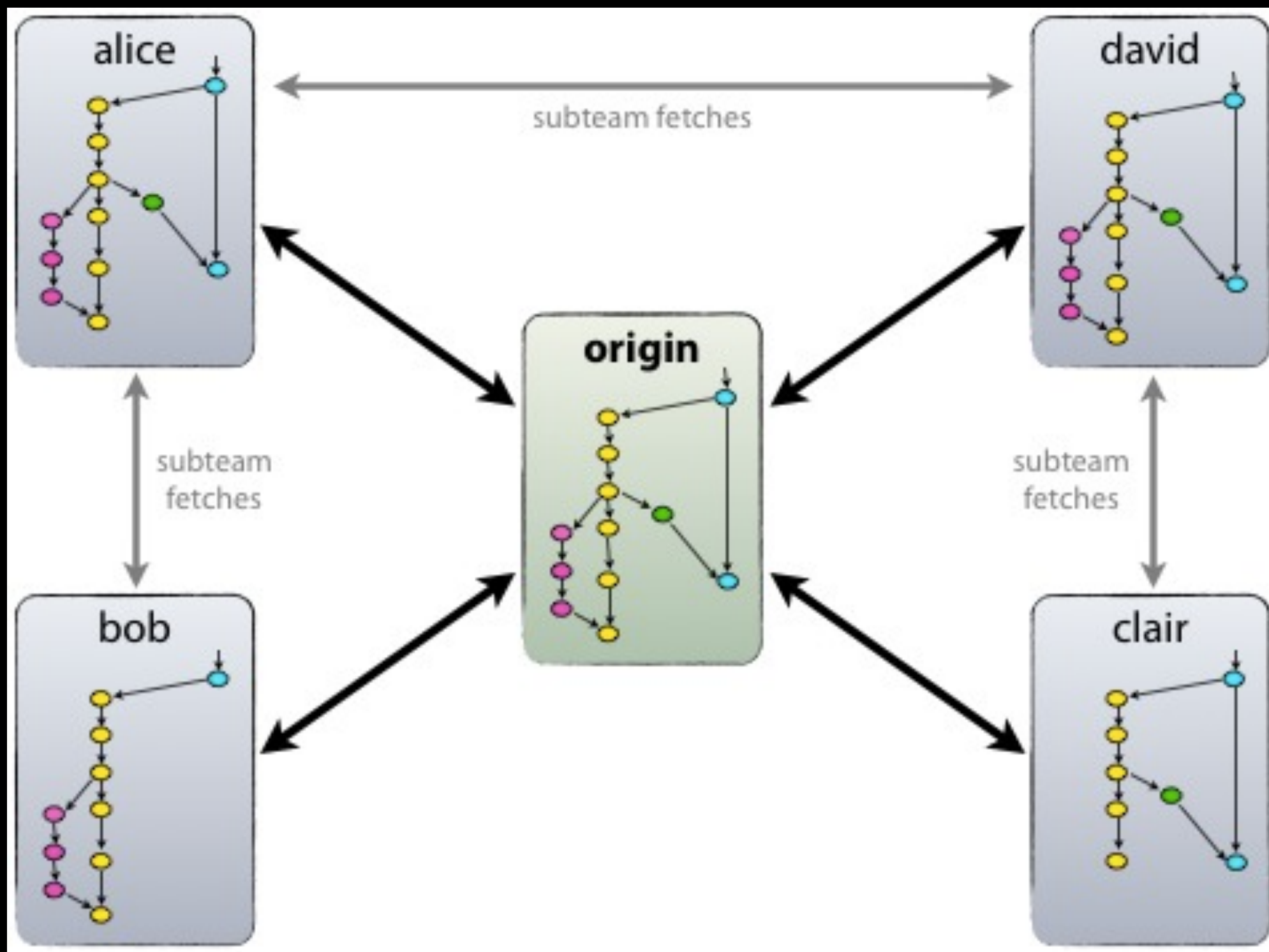


Say What?

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



Repository



Rollen

Entwickler

Integration Manager



Branches

master

develop

feature

release

hotfix

support

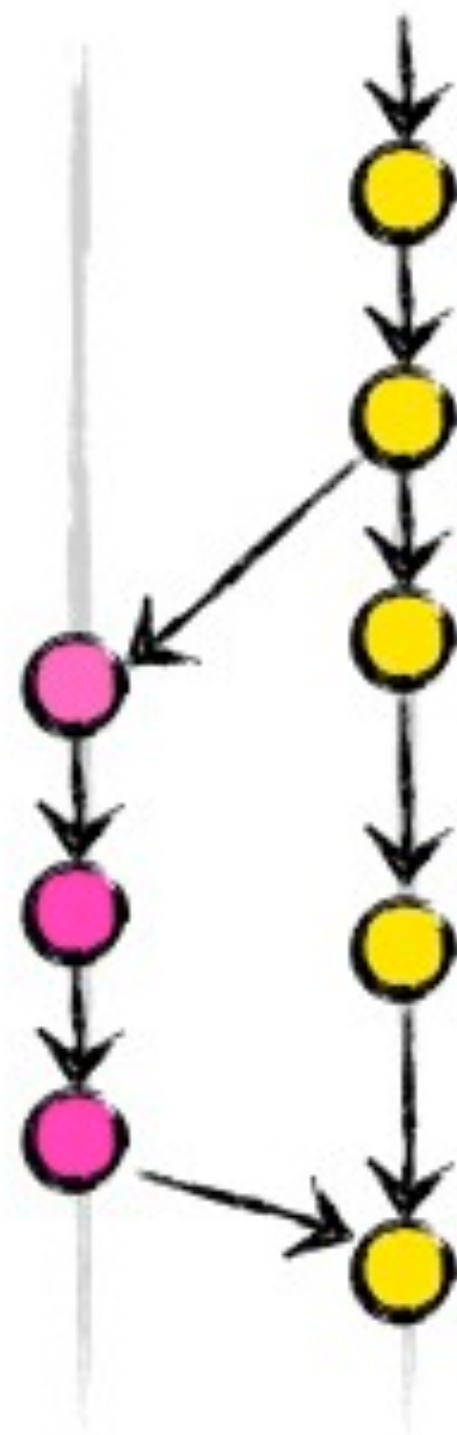
Prozesse

Neues Feature

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

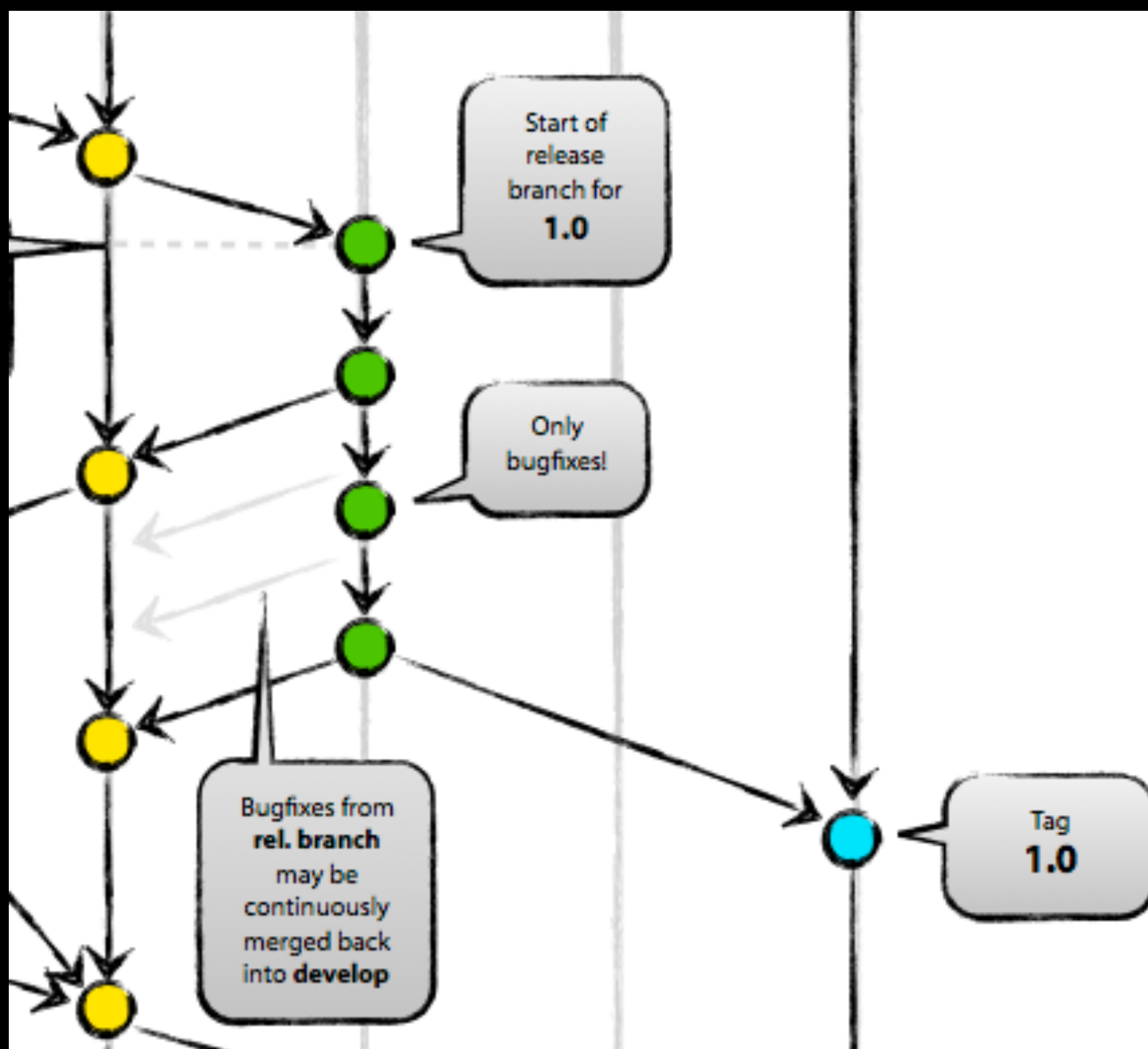
feature
branches

develop



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

develop

hotfixes

master



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)

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

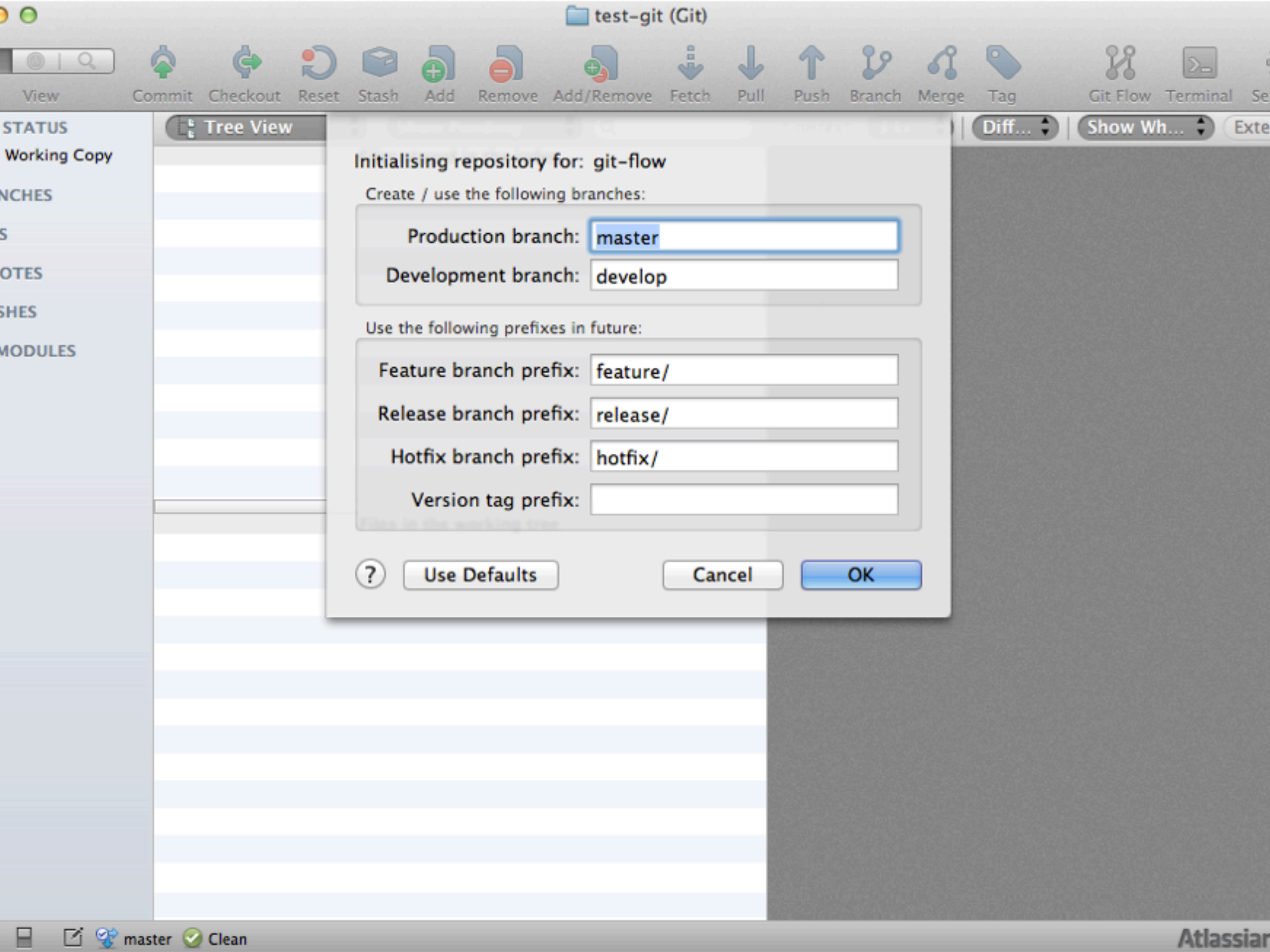


jeromebaum authored a year ago

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



Beispiel

Ziele erreicht?

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

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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)