

Open Source

Hendrik Ebbers
2015

About me

- Hendrik Ebbers
- Lead of JUG Dortmund
- Java Architect @ Canoo Engineering AG
- JavaOne Rockstar, Java Expert Group Member
- Speaker, blogger & author



◀ GUI Garage ▶
OPEN SOURCE UI STUFF

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@hendrikEbbers



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www.guigarage.com

◀ *GuI Garage* ▶
OPEN SOURCE UI STUFF

Inhalt

- Definition von Open Source
- Beispiele
- Vorteile und Gefahren
- Eigene Open Source Projekte

Definition von Open Source

Definition

- Hochwertig?
- Schlechte Qualität?
- Kein Support?
- Guter Support?
- Wird nicht weiterentwickelt?
- Starke Weiterentwicklung?
- Nicht einsehbar?
- Keine Koordination
- Lizenz-Chaos?

Beispiele

Betriebssysteme

- Linux ← (RedHat)
- Android ← Google

Betriebssysteme

- Linux
- Android

IDEs

- Eclipse
- IntelliJ
- NetBeans

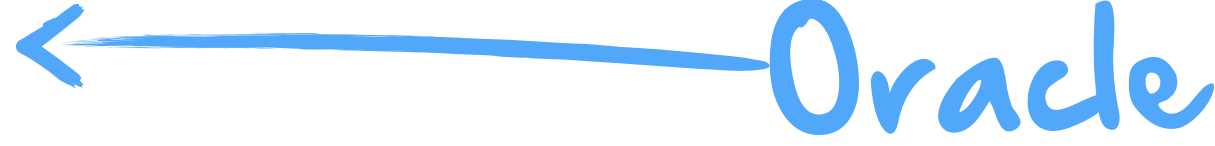
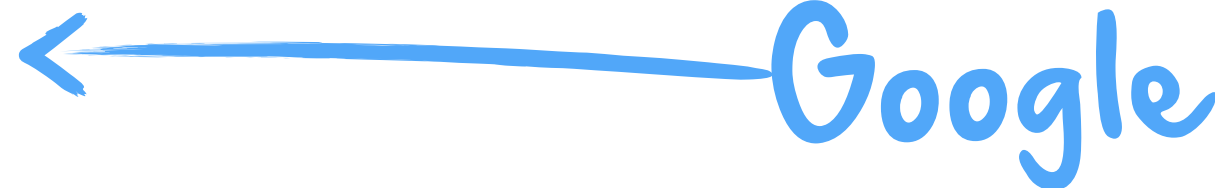
IDEs

- Eclipse  IBM
- IntelliJ  IDEA
- NetBeans  Oracle

Programmiersprachen

- Java
- Android
- Ruby
- Groovy

Programmiersprachen

- Java 
- Android 
- Ruby
- Groovy

Application Server

- Apache Webserver
- Tomcat
- TomEE
- Wildfly

Definition von Open Source

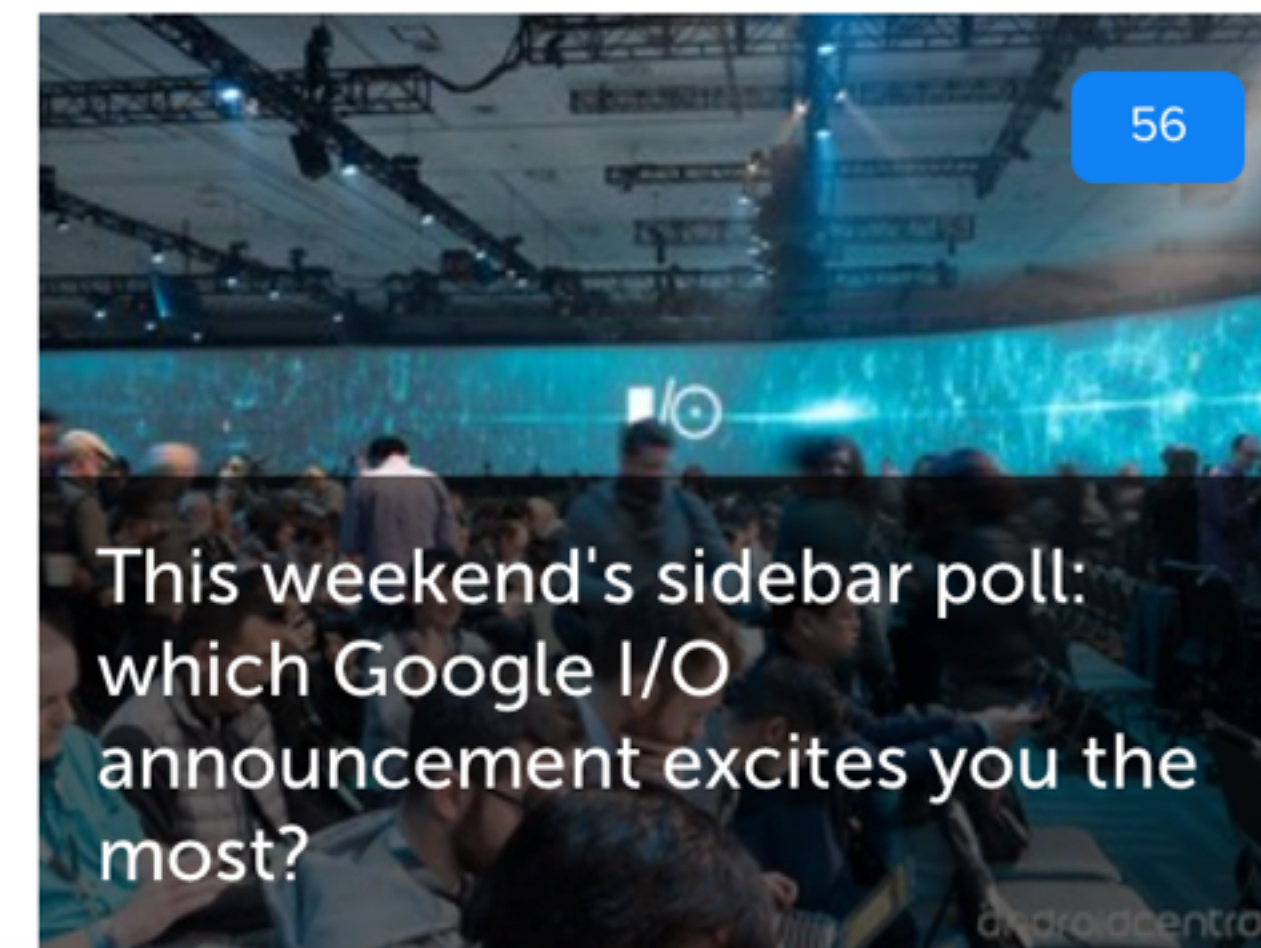
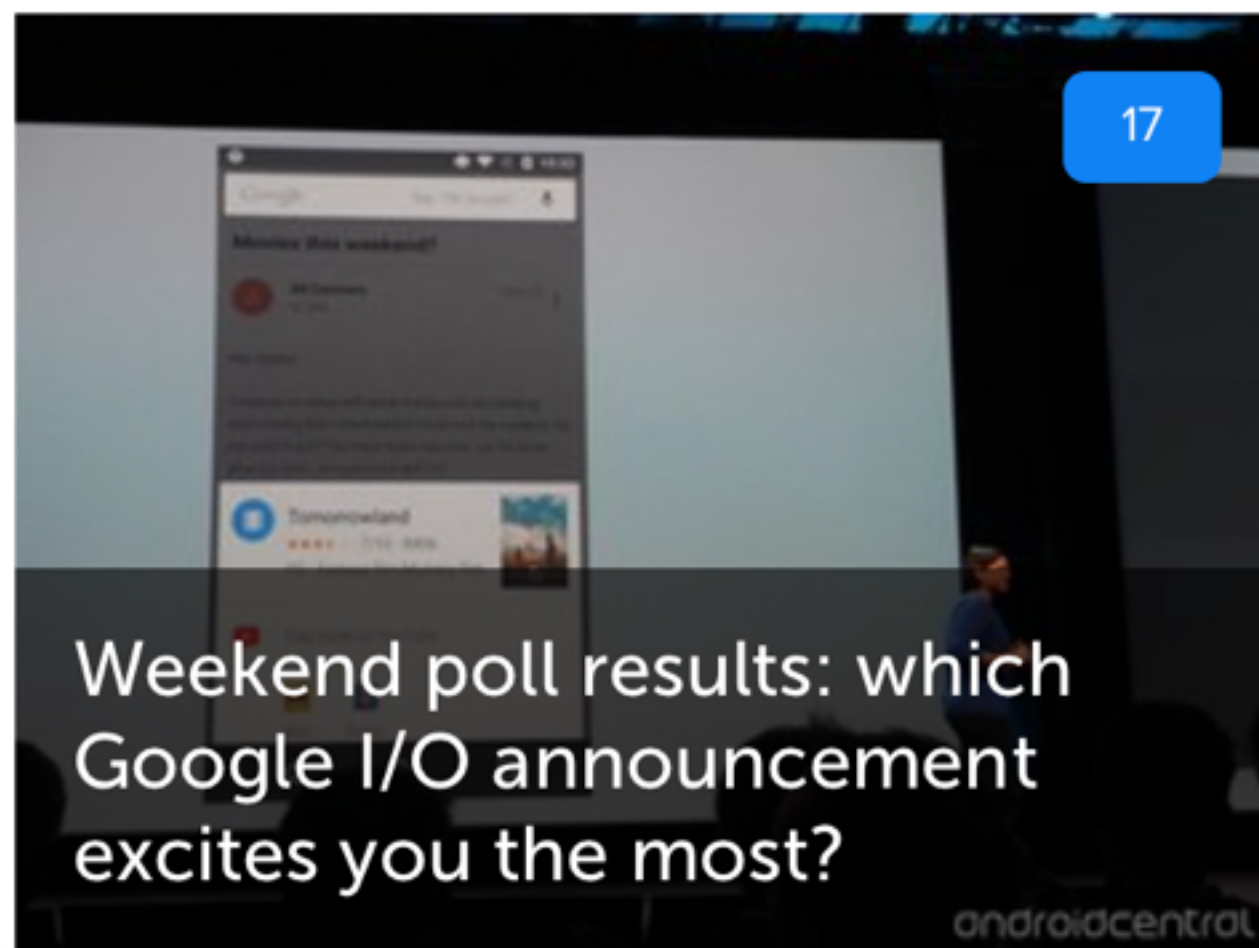
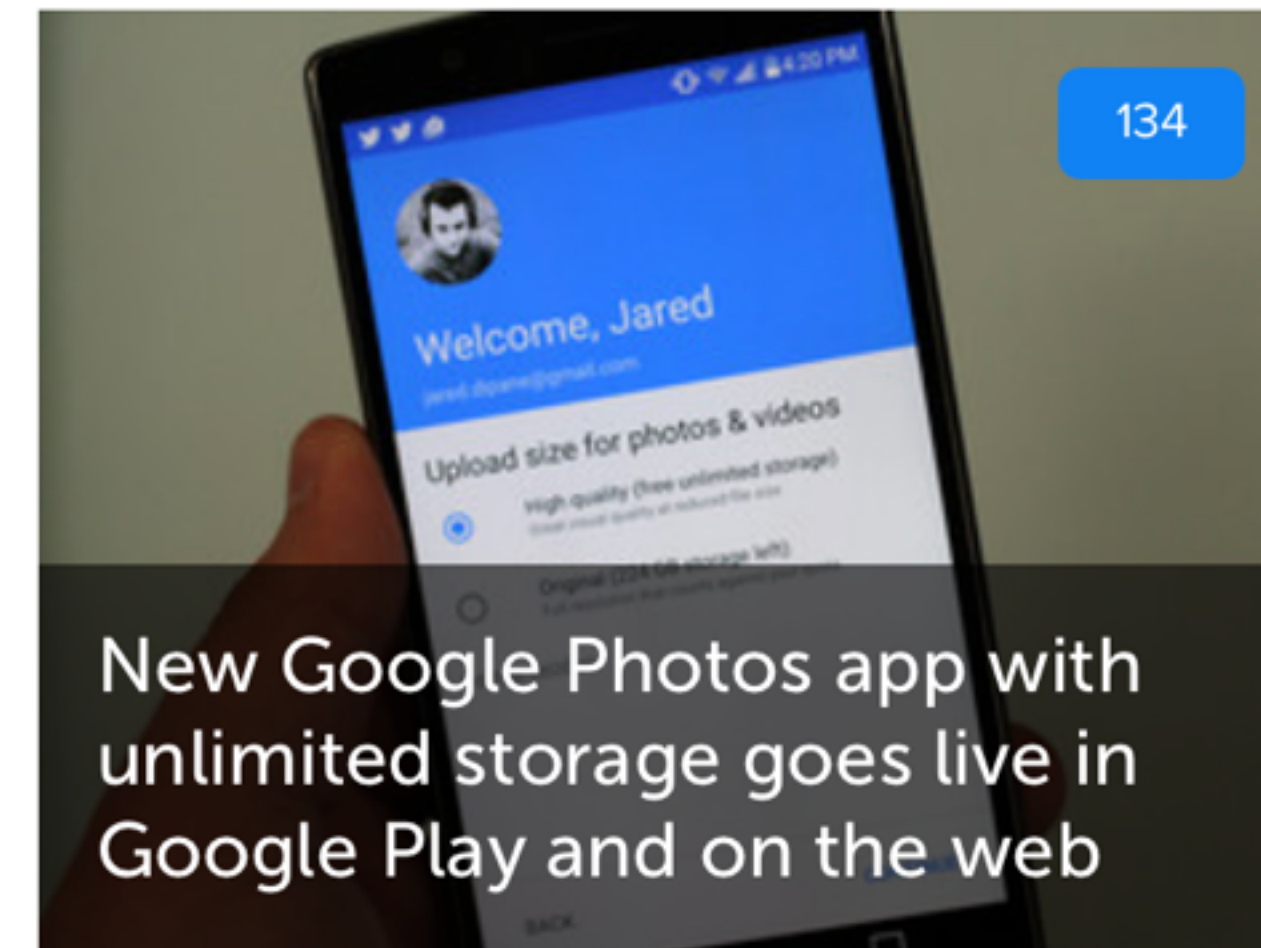
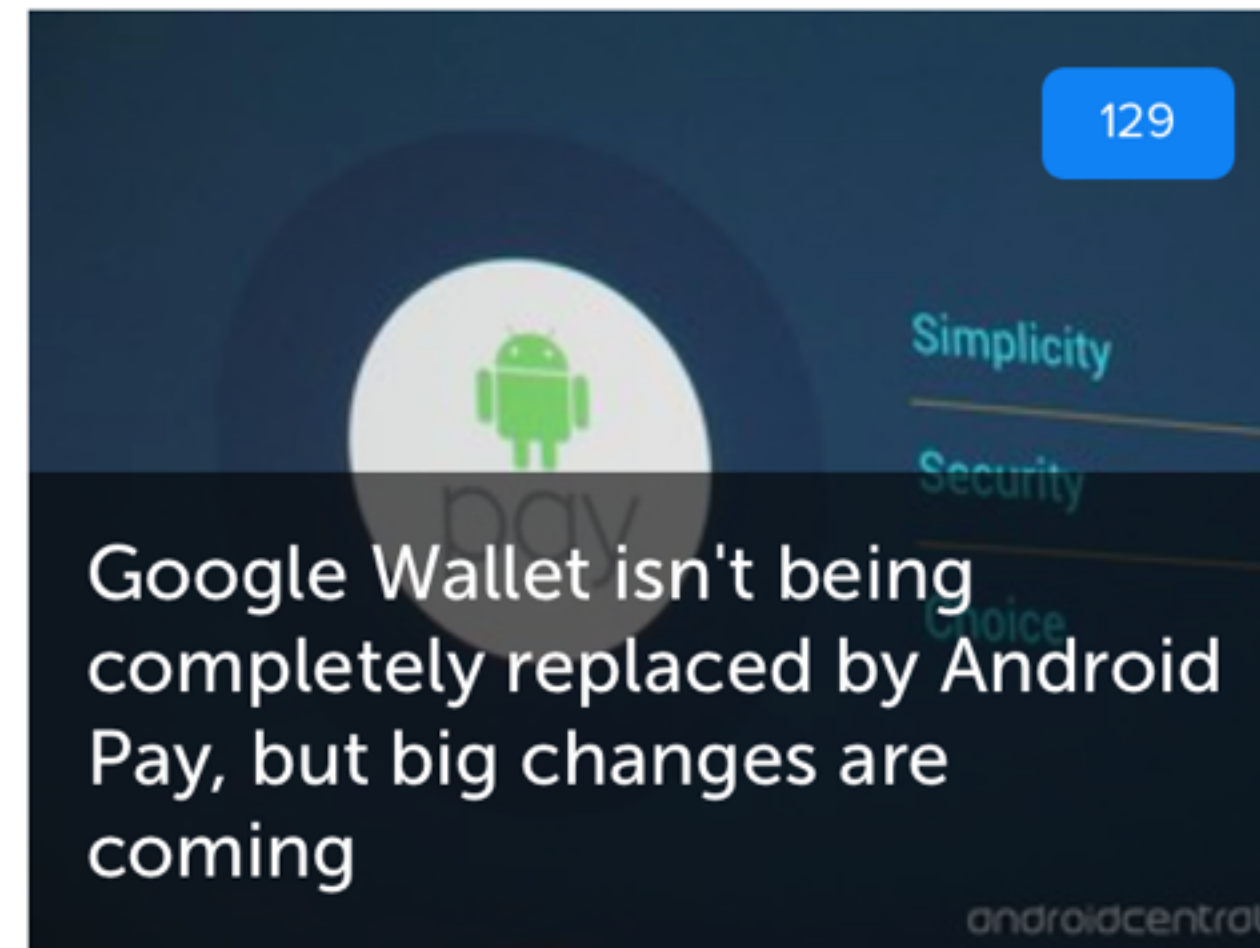
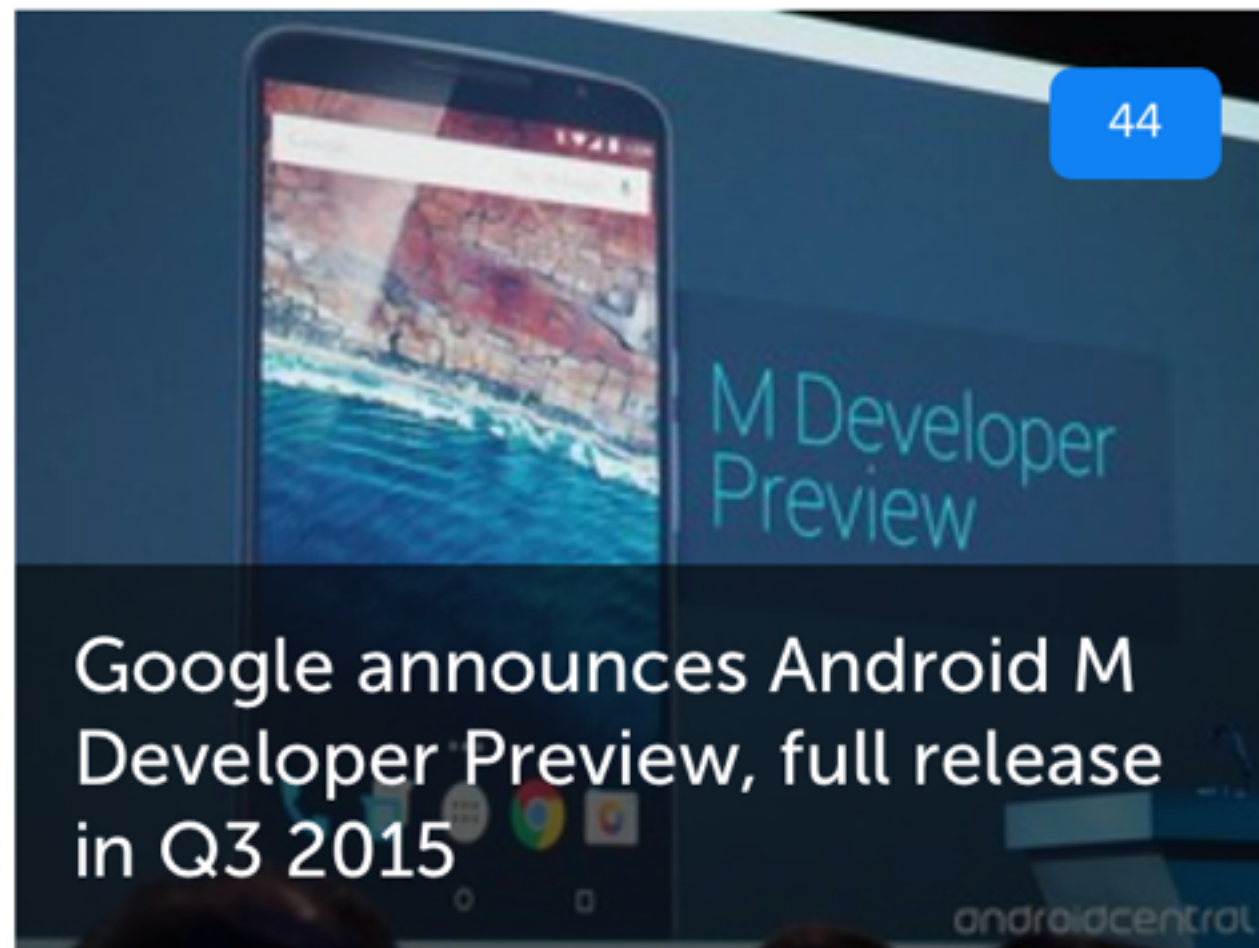
Versuch 2

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Weiterentwicklung

vor 2 Tagen



Qualität

TIOBE Index for
May 2015

May 2015	May 2014	Change	Programming Language	Ratings	Change
1	2	▲	Java	16.869%	-0.04%
2	1	▼	C	16.847%	-0.08%
3	4	▲	C++	7.875%	+1.89%
4	3	▼	Objective-C	5.393%	-6.40%
5	6	▲	C#	5.264%	+1.52%

Support

Apache TomEE Commercial Support



This page is dedicated to companies offering products and services around or including Apache TomEE.

The Apache TomEE PMC does not endorse or recommend any of the products or services on this page. We love all our supporters equally.

Want to be added to this page? [See here](#).

Tomitribe

[Tomitribe](#) is a company created by several founding members of the Apache TomEE community with the mission of uniting businesses using TomEE with responsible and sustainable Open Source. Our goal is to support both the community and fuel the success of business that rely TomEE with a complete set of consulting, training, and commercial support.

[Join the tribe!](#)

ManageCat

[ManageCat](#) is a cloud management and service platform for Apache Tomcat and Apache TomEE servers. Involving with a lot of Apache Java EE projects, we want to transfer not only our knowledge about Apache TomEE and also other Java EE technologies including JPA, EJB, CDI, JSF, JSTL, JTA, JMS. We will help our customers to develop and deploy their production based Java EE applications smoothly.

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Definition

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**Aber das betrifft doch nur die
großen Open Source Projekte?**

**Woran erkenne ich die Qualität
eines Open Source Projektes?**

**Aber das betrifft doch nur die
großen Open Source Projekte?**

**Woran erkenne ich die Qualität
eines Open Source Projektes?**

Da kommen
wir später zu

Koordination

Foundations

- Apache Software Foundation
- The Document Foundation
- Linux Foundation
- Red Hat

Foundations

- Pflege & Wartung von Open Source Software
- Bereitstellung von benötigter Infrastruktur
- Teils bezahlte Mitarbeiter

Definition von Open Source

Versuch 3

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Lizenzen

Lizenzen

- Open Source ist nicht immer gleich
- Ein Projekt muss unter einer Lizenz veröffentlicht werden
- Nicht alle Lizenzen harmonisieren miteinander

Lizenzen

- Mittlerweile haben sich aber zum Glück einige Lizenzen durchgesetzt
 - Apache Licence 2
 - GPL
 - Eclipse Public License
 - Common Public License

Open Source Today



This repository

Search

Explore

Gist

Blog

Help



hendrikebbers

+

▼



ruby / ruby

👁 Watch ▼

851

★ Star

7,525

🍴 Fork

2,264

The Ruby Programming Language

<http://www.ruby-lang.org/>

🕒 39,527 commits

🌿 17 branches

🏷 298 releases

👥 38 contributors



🌿 branch: trunk ▼

ruby / +



fix a typo [ci skip]

...



znz authored an hour ago

latest commit fd4ec2bc90

📁 benchmark	variable.c: avoid compatibility table with generic ivars	3 days ago
📁 bin	* lib/rake/*: Gemify rake [fix GH-862][Feature #11025]	2 months ago
📁 bootstraptest	default colors	16 days ago
📁 ccan	ccan/list/list.h: sync with ccan upstream	2 months ago
📁 coverage	fix a typo [ci skip]	9 months ago
📁 cygwin	stub.o: under win32	2 months ago
📁 defs	* ext/json/json.gemspec, lib/rdoc/rdoc.gemspec: added gemspec directly.	2 months ago

<> Code

🔗 Pull requests

77

📶 Pulse

📊 Graphs

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<https://github.com/>



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Repository



Code

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hendrikebbers

+

⌵



angular

/

angular

👁 Watch

⌵

553

★ Star

3,367

🍴 Fork

848

Issues

Pull requests

Labels

Milestones

Filters

⌵

🔍 is:issue is:open

New issue

🔔 292 Open

✓ 799 Closed

Author

⌵

Labels

⌵

Milestones

⌵

Assignee

⌵

Sort

⌵

🔔 Angular should not update element properties when there is a directive with same property binding

#2254 opened 11 minutes ago by vsavkin



💬 0

🔔 Key events: e2e test failing on my (AZERTY) computer

comp: dev-productivity

type: bug

#2253 opened an hour ago by vicb

💬 3

🔔 ./scripts/ci/build_and_test.sh js freezes after unit tests

comp: dev-productivity

type: chore

#2252 opened an hour ago by vicb

💬 0

🔔 Support multiple :not selectors

comp: core/templating

effort: hour

P3: important

type: feature

#2243 opened 2 days ago by vsavkin

💬 0

🔔 Router with Nested Outlets

comp: router

effort: day

P3: important

type: RFC / discussion / question

#2242 opened 2 days ago by jpsfs

💬 2

🔔 Form validation message templating

comp: core/forms

effort: day

P3: important

type: feature

#2240 opened 2 days ago by plalx

💬 0

🔔 Need to be able to run test on SauceLabs

comp: dev-productivity

effort: day

P3: important

type: chore

#2239 opened 2 days ago by vicb

💬 0



 ruby / ruby

Watch ▾851

★ Star7,525

Fork2,264

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ruby / +



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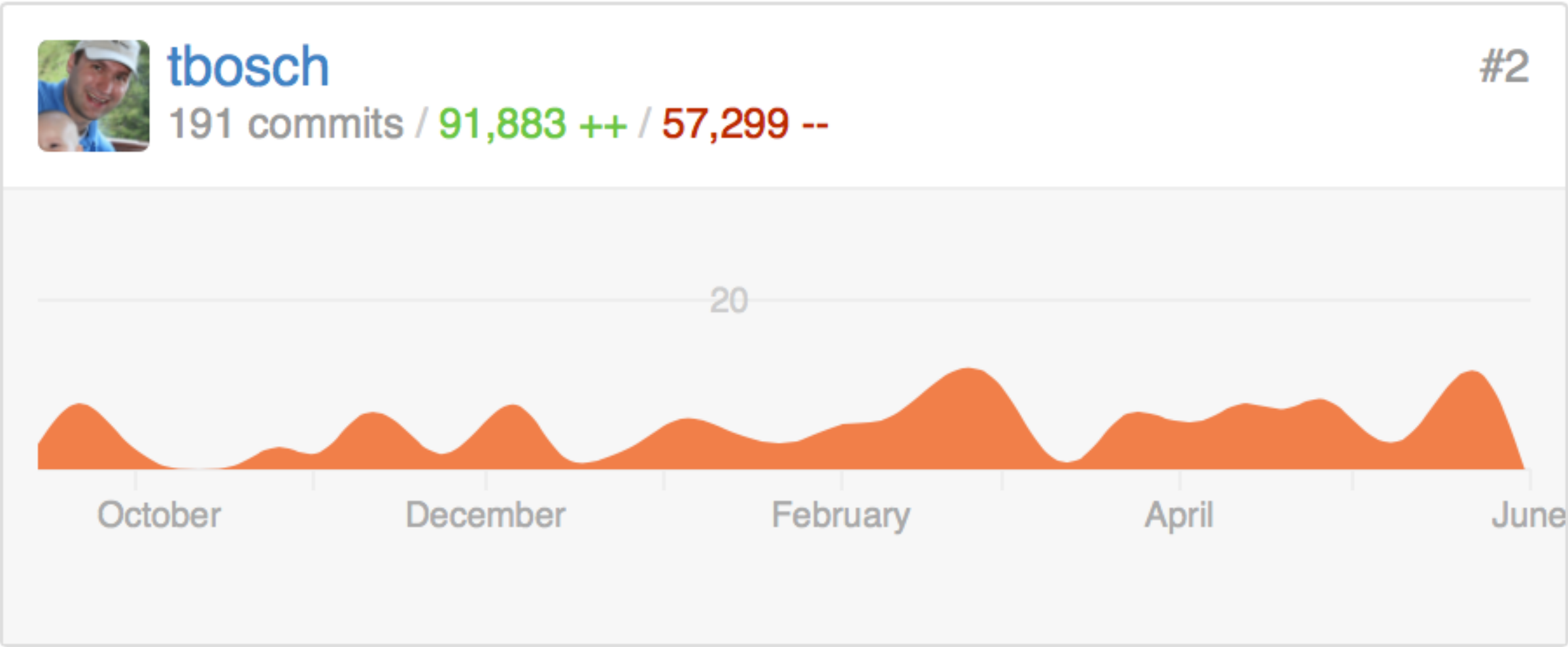
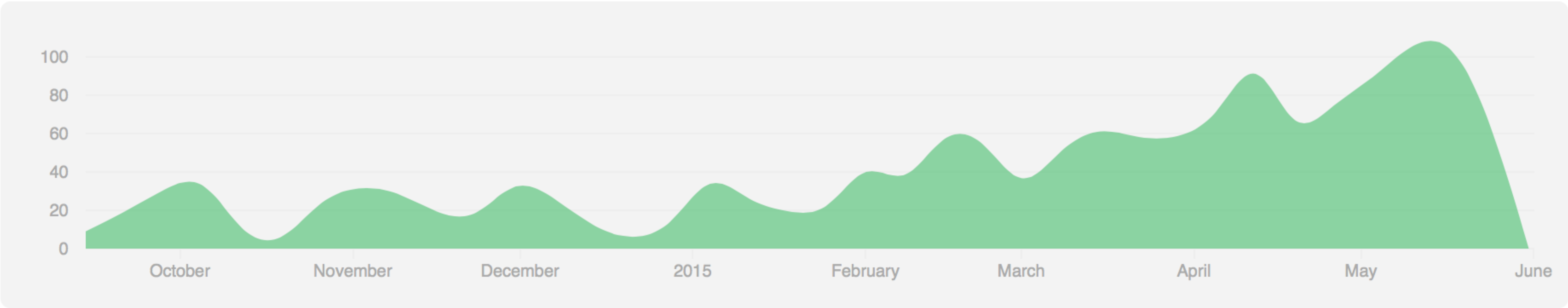
 Download ZIP

Ratings

Sep 14, 2014 – Jun 1, 2015

Contributions: **Commits** ▾

Contributions to master, excluding merge commits



 protractor-js.conf.js	fix(build): simplify the e2e/perf config via command line arguments	3 months ago
 protractor-shared.js	fix(build): don't read out chrome perflogs during e2e tests	2 months ago
 pubspec.yaml	feat(fakeAsync): allow simulating the passage of time	14 days ago
 test-init.dart	refactor(render): use render layer fully	2 months ago
 test-main.dart	refactor(render): use render layer fully	2 months ago
 test-main.js	chore(build): Remove .es6 files which shadow .ts files.	a month ago
 tsconfig.json	chore(build): Add a tsconfig.json file, simply to allow Atom editor's...	a month ago

 README.md

build

passing

 GITTER

JOIN CHAT →

pull requests closed in

about 14 hours

issues closed in

2 days

npm package

2.0.0-alpha.25

downloads

6k/month

Angular

Angular is a development platform for building mobile and desktop web applications. This is the

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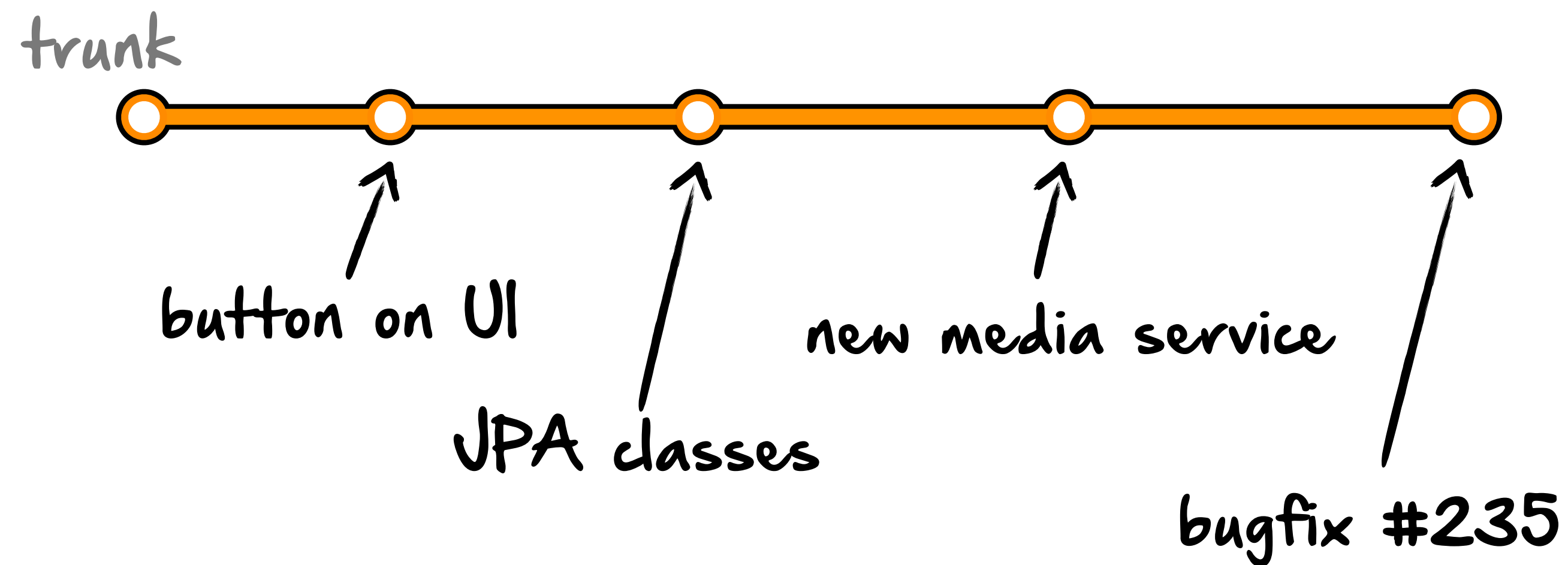
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Arbeiten mit Open Source

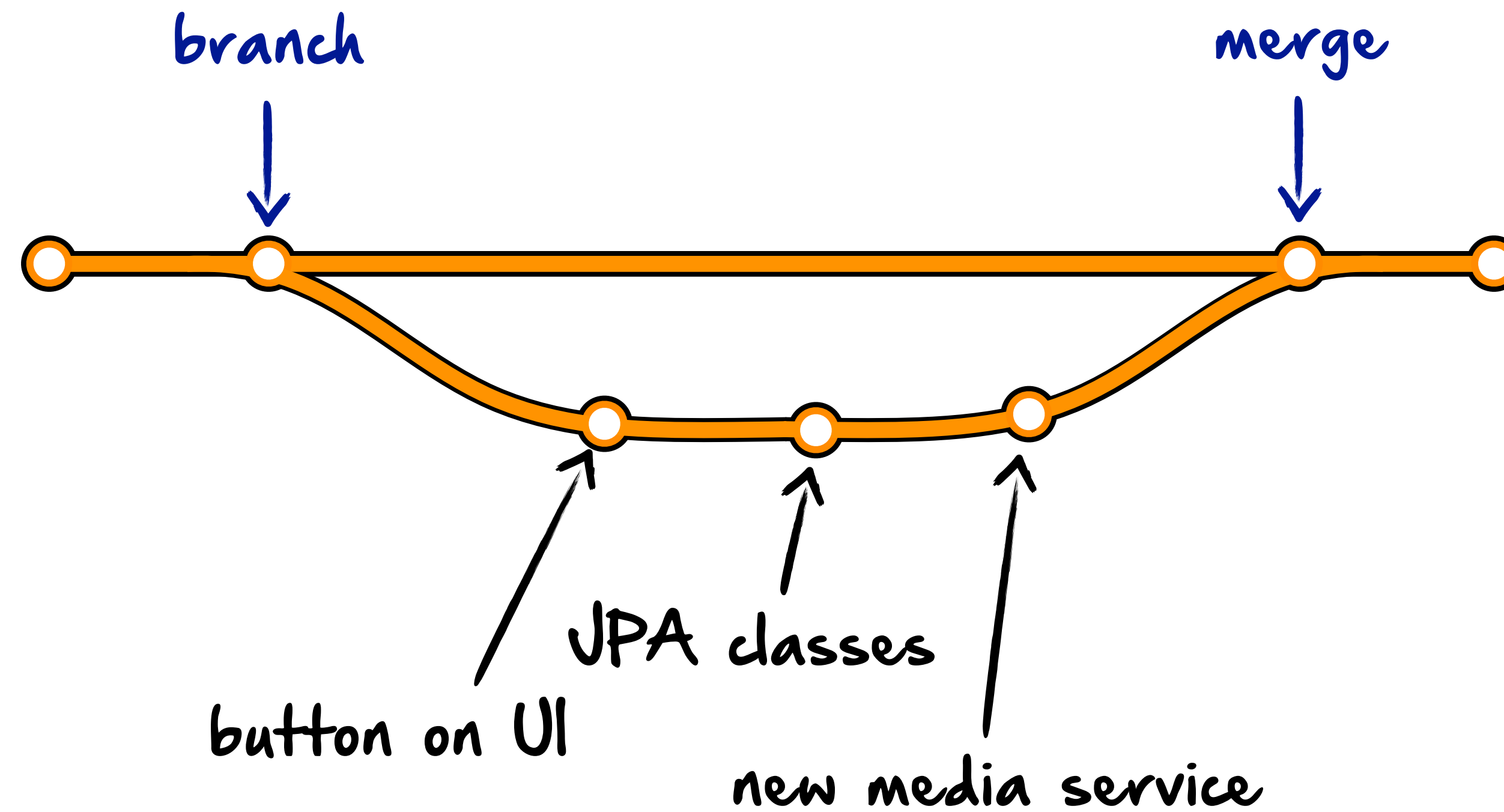
Workflow

- GIT hat sich mittlerweile als Standard durchgesetzt
 - siehe GitHub oder BitBucket
- Der GIT-Flow hat sich als Standard-Workflow durchgesetzt

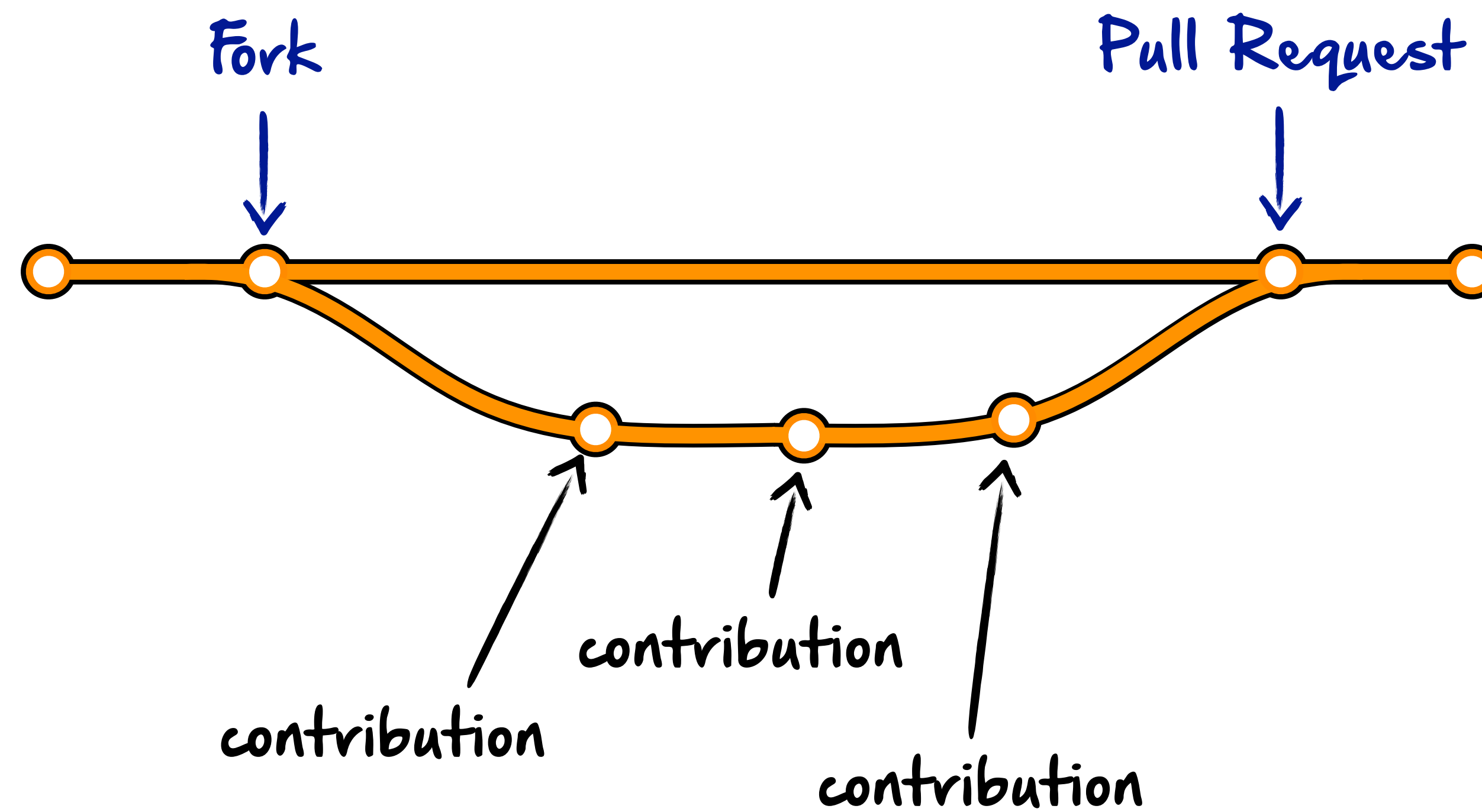
Workflow früher



Workflow heute



Workflow Open Source





hubot / **Spoon-Knife**
forked from octocat/Spoon-Knife

Watch 0

Star 0

Fork 34,641



octocat:master ... hubot:master

Edit

Create pull request

Discuss and review the changes in this comparison with others.

?

1 commit

1 file changed

0 commit comments

1 contributor



Commits on Sep 10, 2014



hubot

Change description of the repository

8b7afff



Showing 1 changed file with 1 addition and 1 deletion.

Unified

Split

2 README.md

<>

View

...	...	@@ -1,6 +1,6 @@
1	1	### Well hello there!
2	2	
3		-This repository is meant to provide an example for <i>*forking*</i> a repository on GitHub.
	3	+This is my fork of the octocat/Spoon-Knife repository

Sending a pull request #248

Edit New issue

 **cameronmcefee** wants to merge 1 commit into `octocat:master` from `cameronmcefee:master`

 Conversation **5**  Commits **1**  Files Changed **1** **4** 



cameronmcefee commented 2 years ago

I made some changes. Please review.



cameronmcefee added a commit 2 years ago

 Made some changes for a pull request

a4610fa



octocat commented 2 years ago

Awesome, thanks!



cameronmcefee commented 2 years ago

Labels

None yet

Notifications 

 Subscribe

4 participants



Das eigene Open Source Projekt

Wichtige Punkte

- Standards
- Standards
- Standards
- Qualität

Standards

- Abhängigkeiten müssen automatisch bestimmt werden
- Projekt muss in jeder IDE gebaut werden können
- Standards für automatische Tests nutzen
- Standard Konventionen für die APIs nutzen

Wer definiert Standards

- Die Community!
- Wenn man sich bei GitHub umschaut wird man feststellen:
 - Großteil aller Java-Projekte nutzt Maven
 - Großteil aller JavaScript Projekte nutzt Bower



Bower

- A package manager for the web
- Search for dependencies and install them as packages
- Created by Twitter
- Open Source

www.bower.io



Bower

requires npm, node.js and git

```
$ npm install -g bower
```

in your project folder

```
$ bower init
```

download &
add module

add dependency to
bower file

```
$ bower install --save webcomponentsjs
```

Automatischer Build

- (Open Source) Software sollte bei jedem Commit automatisch gebaut werden
- (Open Source) Software sollte bei jedem Commit automatisch getestet werden
- Hohe Testabdeckung
- Neuerung sollten immer mit passenden Tests ausgeliefert werden

Automatischer Build

Search all repositories

My Repositories +

✓ canoo/open-dolphin

96

⌚ Duration: 5 min 57 sec

📅 Finished: about 11 hours ago

guigarage/vagrant-binding

⌚ Duration: -

📅 Finished: -

guigarage/puppet-forge-ws

⌚ Duration: -

📅 Finished: -

guigarage/vagrant-binding-demos

⌚ Duration: -

angular/angular.js

build passing

Current

Branches

Build History

Pull Requests

⚙ Settings

⋮

🔗

Pull Request #11996 fix(ngOptions): use reference check only when not using tra

fix(ngOptions): use reference check only when not using trackBy

Change the check on changed value for ngOptions to ensure that a reference check is only done

👤 Steven Easter authored and committed

17861 started

🐙 Commit 8230582

🐙 #11996: fix(ngOptions): use refe

⌚ running for 2 min 23 sec

📅 -

Build Jobs

⋮	# 17861.1	🐧 </> Node.js: 0.10	📦 JOB=unit BROWSER_PROVIDER=saucelabs	⌚ 2 min 23 sec
⋮	# 17861.2	🐧 </> Node.js: 0.10	📦 JOB=docs-e2e BROWSER_PROVIDER=saucelabs	⌚ 2 min 22 sec
⋮	# 17861.3	🐧 </> Node.js: 0.10	📦 JOB=e2e TEST_TARGET=jqlite BROWSER_PROVIDER=	⌚ 2 min 21 sec
⋮	# 17861.4	🐧 </> Node.js: 0.10	📦 JOB=e2e TEST_TARGET=jquery BROWSER_PROVIDER=	⌚ 2 min 21 sec

Ausliefern der Software

- Heutzutage ist es wichtiger, dass die Software in einem bekannten Repository liegt als das sie zum Download angeboten wird
- Moderne Applikationen werden mit einem automatischen Verwalten der transitiven Abhängigkeiten gebaut.

Warum soll ich Open Source machen?

- „Über den Tellerrand schauen“
- Neue und moderne Technologien lernen
- Wettbewerbsvorteil
- Der Community etwas zurückgeben

Warum soll ich Open Source machen?

- Firmen können so ihre Mitarbeiter fördern
- Open Source Software ist meist besser dokumentiert und hat eine höhere Testabdeckung
 - Da andere ja mitschauen
- Firmen können die Qualität ihrer Software steigern

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Versuch 4

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canoo Engineering AG



◀ *GUI Garage* ▶

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