FASTER MOBILE DEV WORKFLOW

Szabolcs Bobor, Mito

Presentation

Agenda

1. Introduction
2. Build process and tools
3. Branching policy

Szabolcs Bobor

HEAD OF DEVELOPMENT

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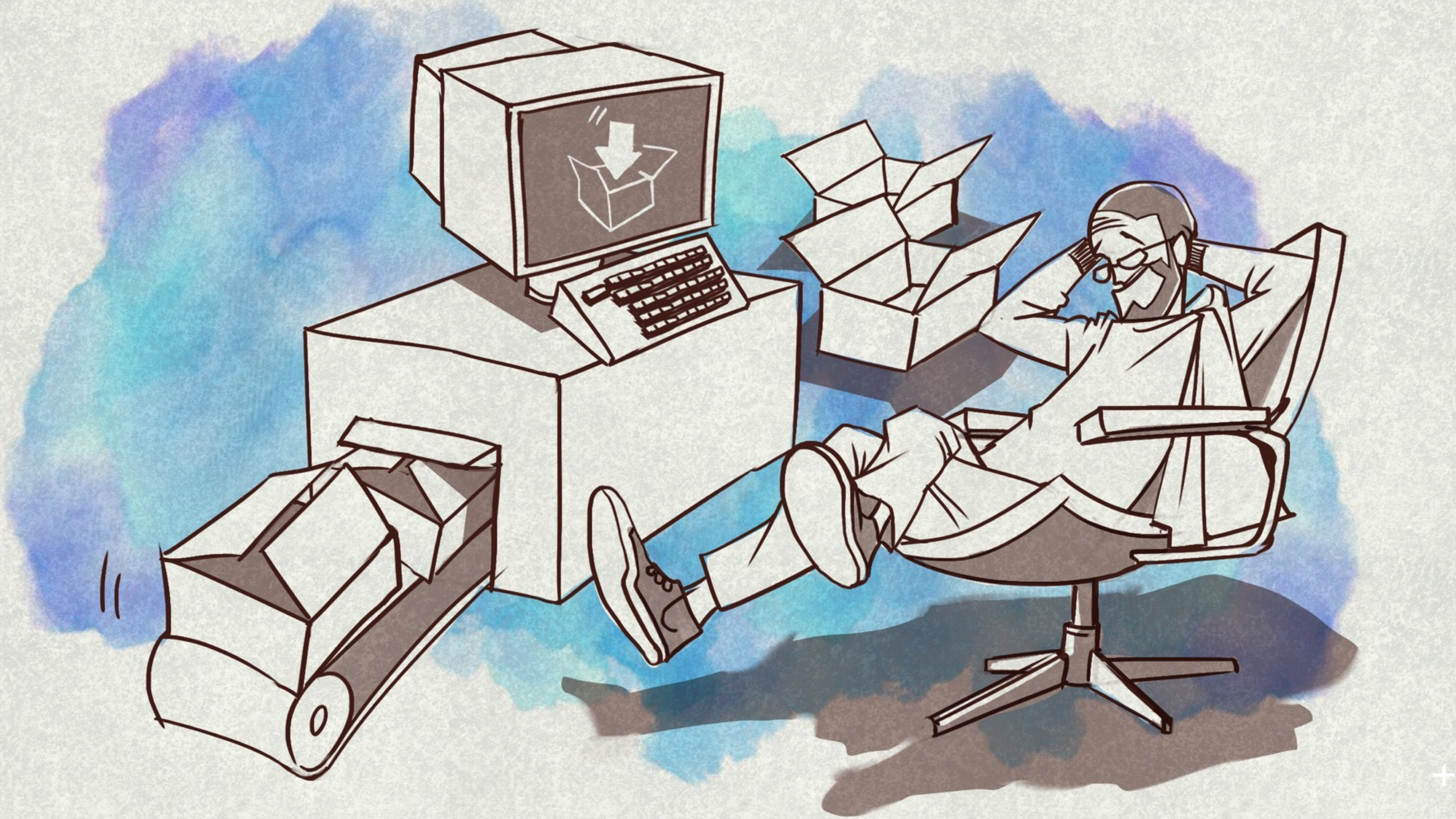
mito

- Founded in 2008
- Full service agency
- Focus on user experience
- Development team of 70 people

Smarter
Faster

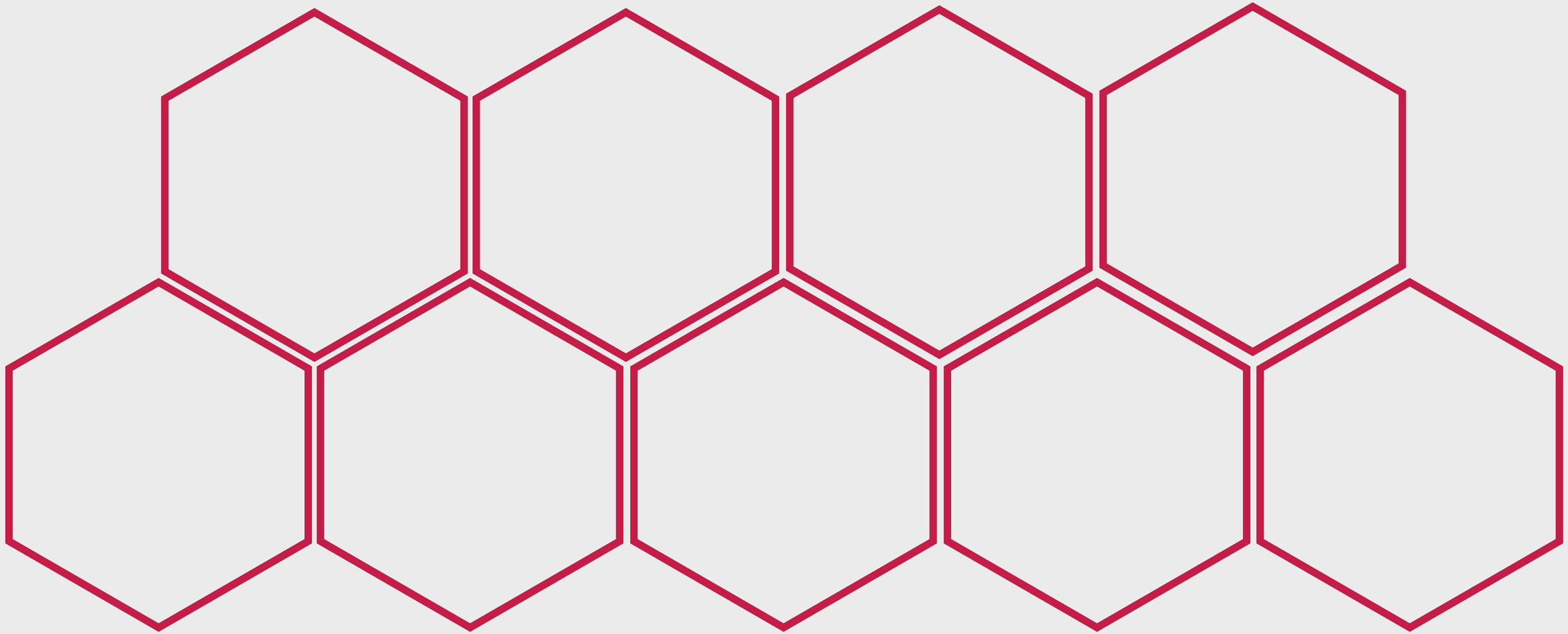
What is happiness?



Automation is happiness

Automation

Tools we use



Automation

Tools we use

Automation

Tools we use

- Using since 2012
- **Users:** 200+
- **Groups:** 80+
- **Projects:** 900+

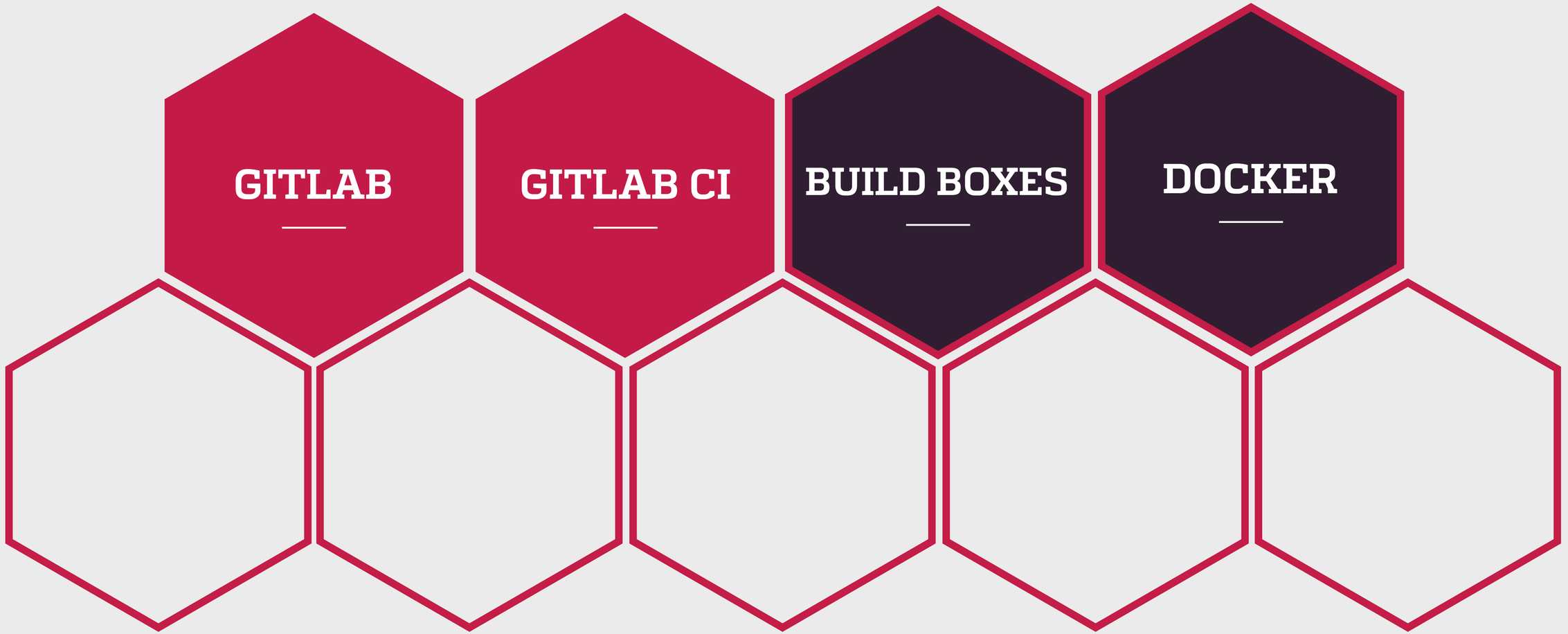
Automation

Tools we use

- Using since 2015
- Integrated with Gitlab
  (Eating your own dog food)
- Ongoing development
  (focused on Docker)

Automation

Tools we use



Automation

Tools we use

- Examples: Square, LinkedIn
- One for iOS, one for Android
- Test devices connected to the machines
- .gitlab-ci.yml
- Gitlab Runner
- Gitlab Artifacts
- Virtualised environment
  (Docker, Parallels - OS X Inception)
- Remote connection
  VNC Viewer (OS X), SSH w/ LDAP (Linux)

Automation

Tools we use

Automation

Tools we use

Automation

Tools we use

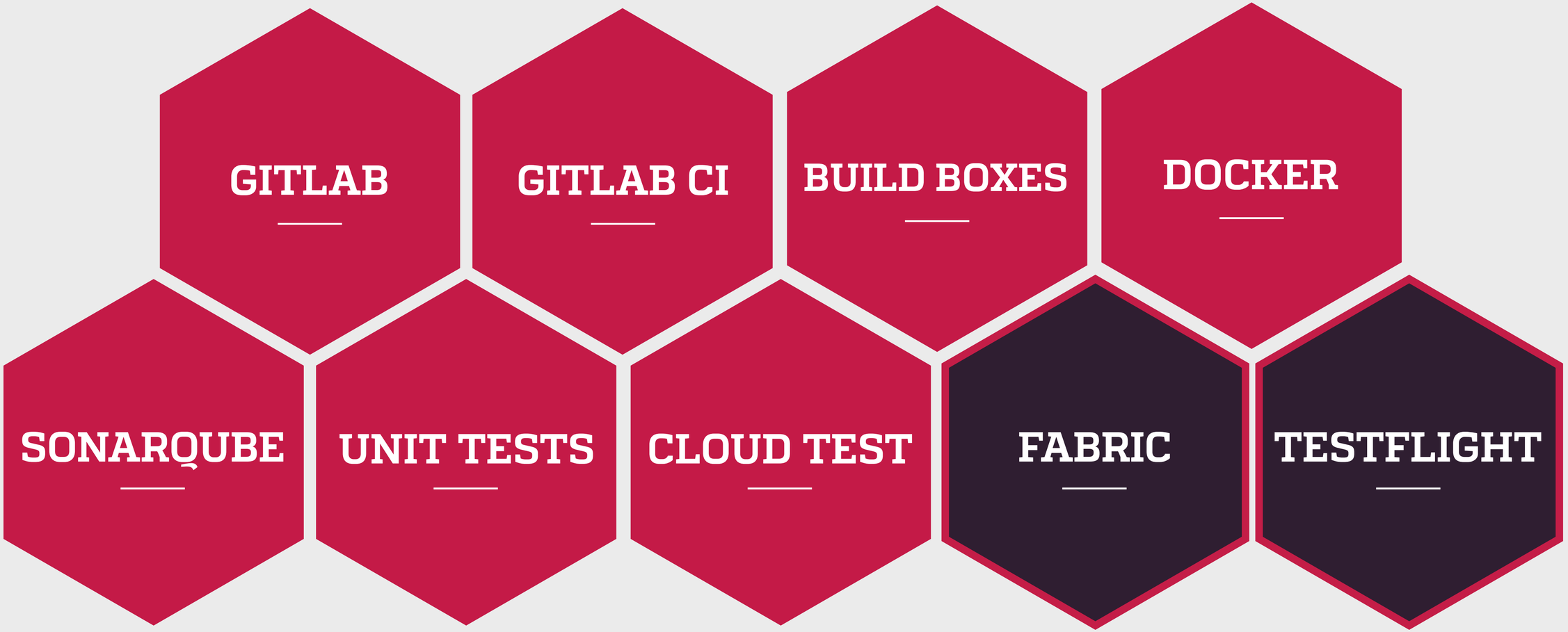
CALABASH

XAMARIN TEST CLOUD

http://bit.ly/mito-calabash

Automation

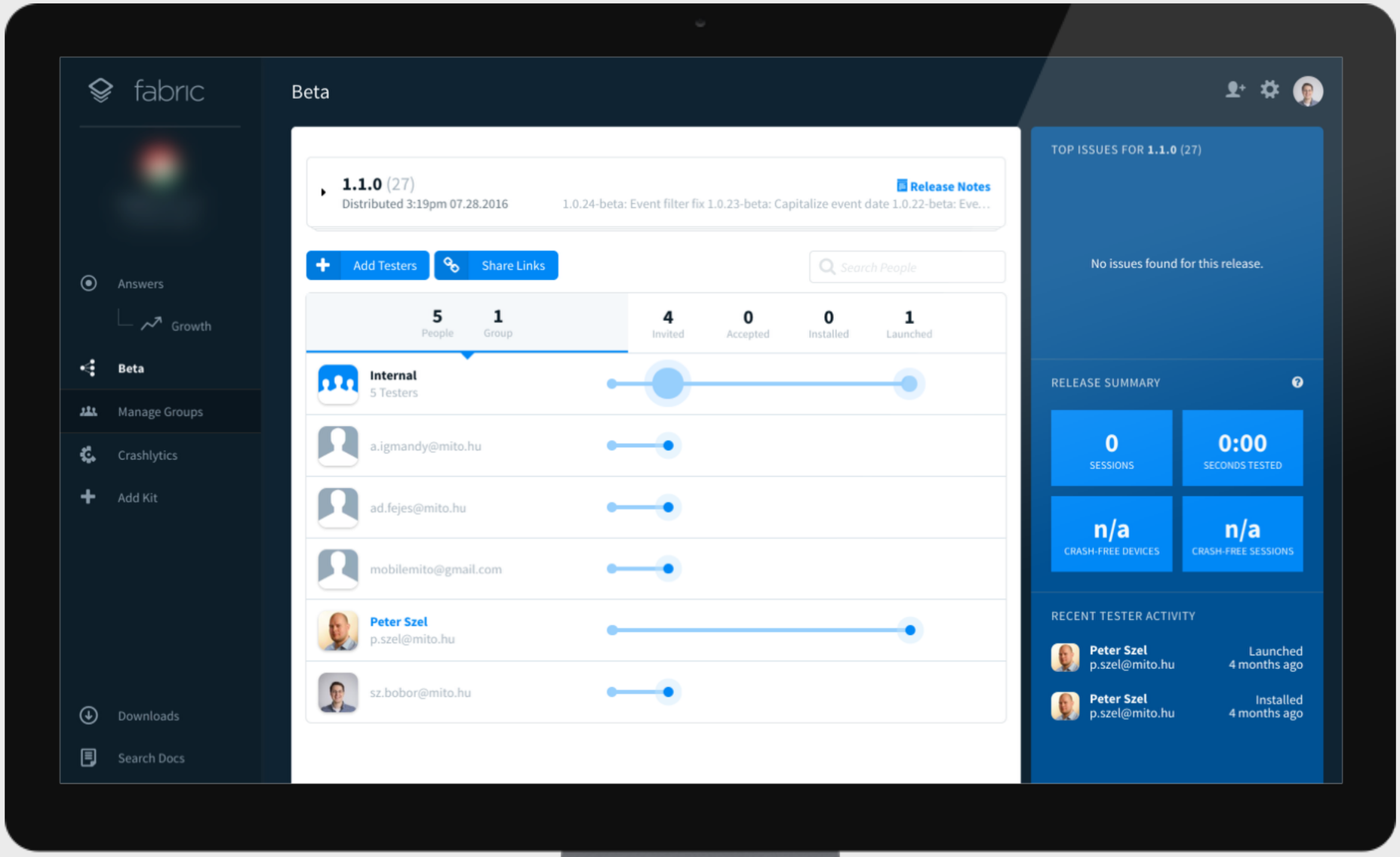
Tools we use



Automation

Tools we use

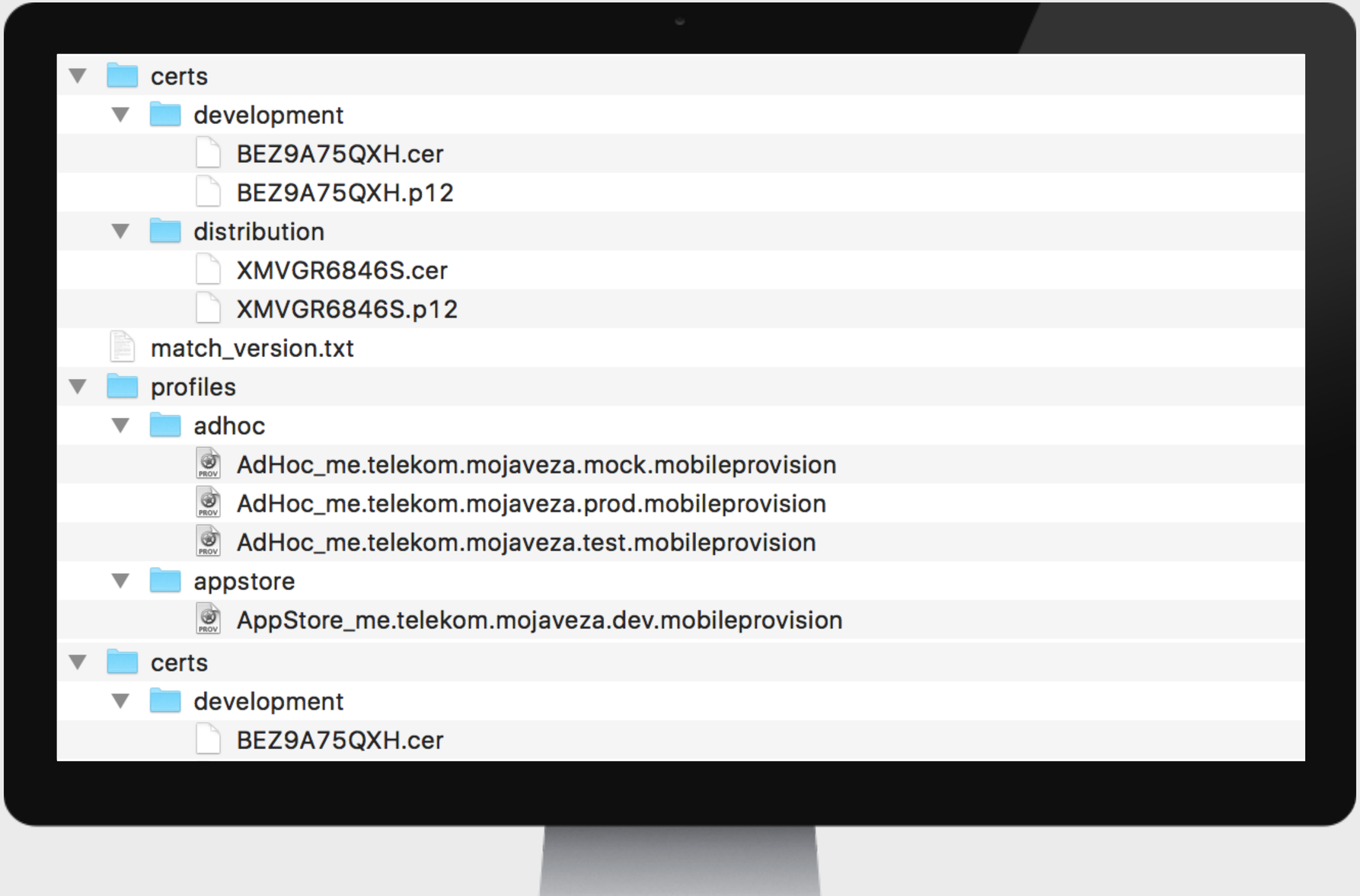
- For iOS & Android
- More than Crashlytics
- Beta distribution (Android focus)
- Groups
- Versioning
- Download and usage stats

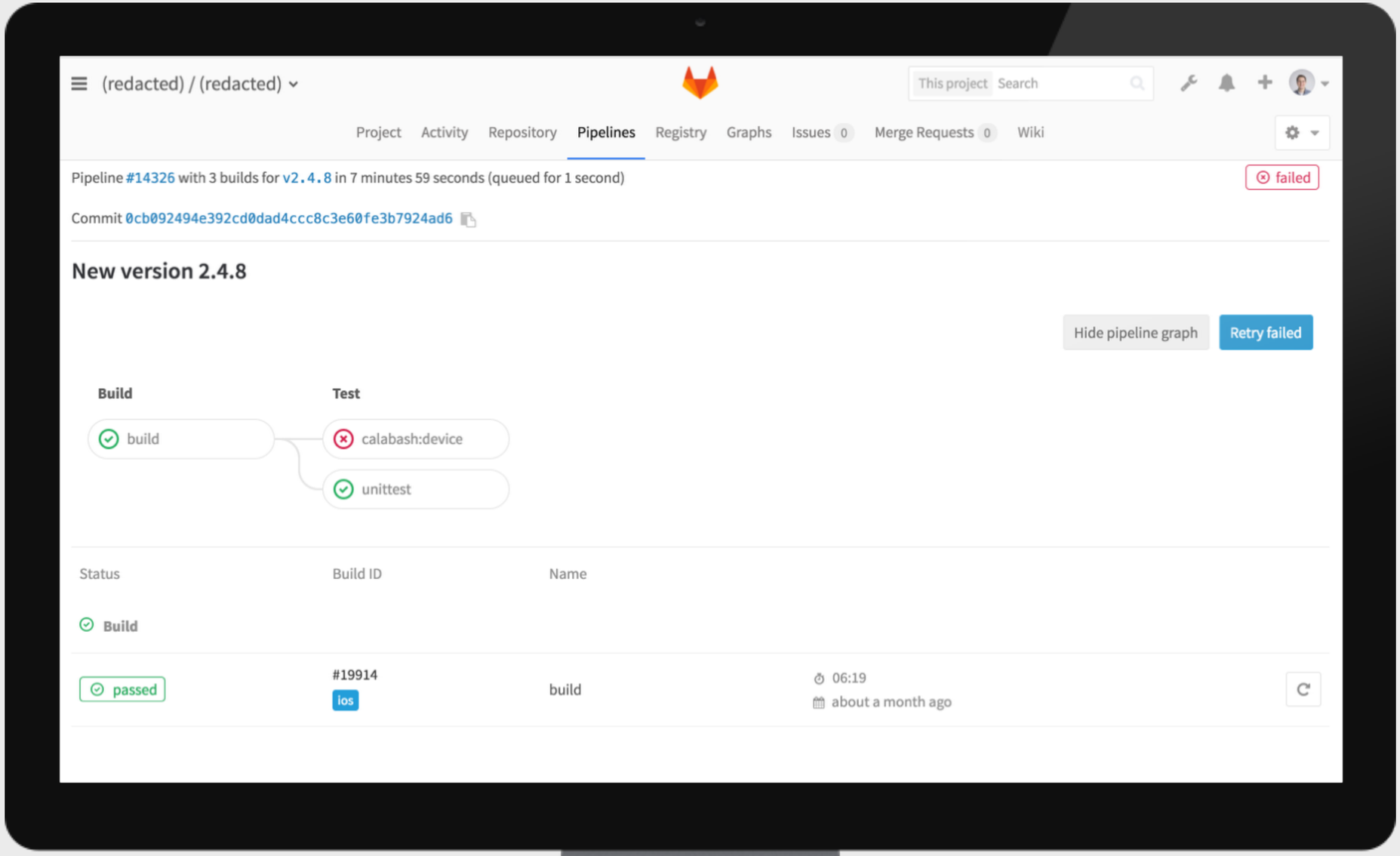

fabric
Beta
Answers
Growth
Beta
Manage Groups
Crashlytics
Add Kit
Downloads
Search Docs
1.1.0 (27)
Distributed 3:19pm 07.28.2016
Release Notes
1.0.24-beta: Event filter fix 1.0.23-beta: Capitalize event date 1.0.22-beta: Eve…
Add Testers
Share Links
Search People
5 People
1 Group
4 Invited
0 Accepted
0 Installed
1 Launched
Internal
5 Testers
a.igmandy@mito.hu
ad.fejes@mito.hu
mobilemito@gmail.com
Peter Szel
p.szel@mito.hu
sz.bobor@mito.hu
TOP ISSUES FOR 1.1.0 (27)
No issues found for this release.
RELEASE SUMMARY
0
SESSIONS
0:00
SECONDS TESTED
n/a
CRASH-FREE DEVICES
n/a
CRASH-FREE SESSIONS
RECENT TESTER ACTIVITY
Peter Szel
p.szel@mito.hu
Launched
4 months ago
Peter Szel
p.szel@mito.hu
Installed
4 months ago

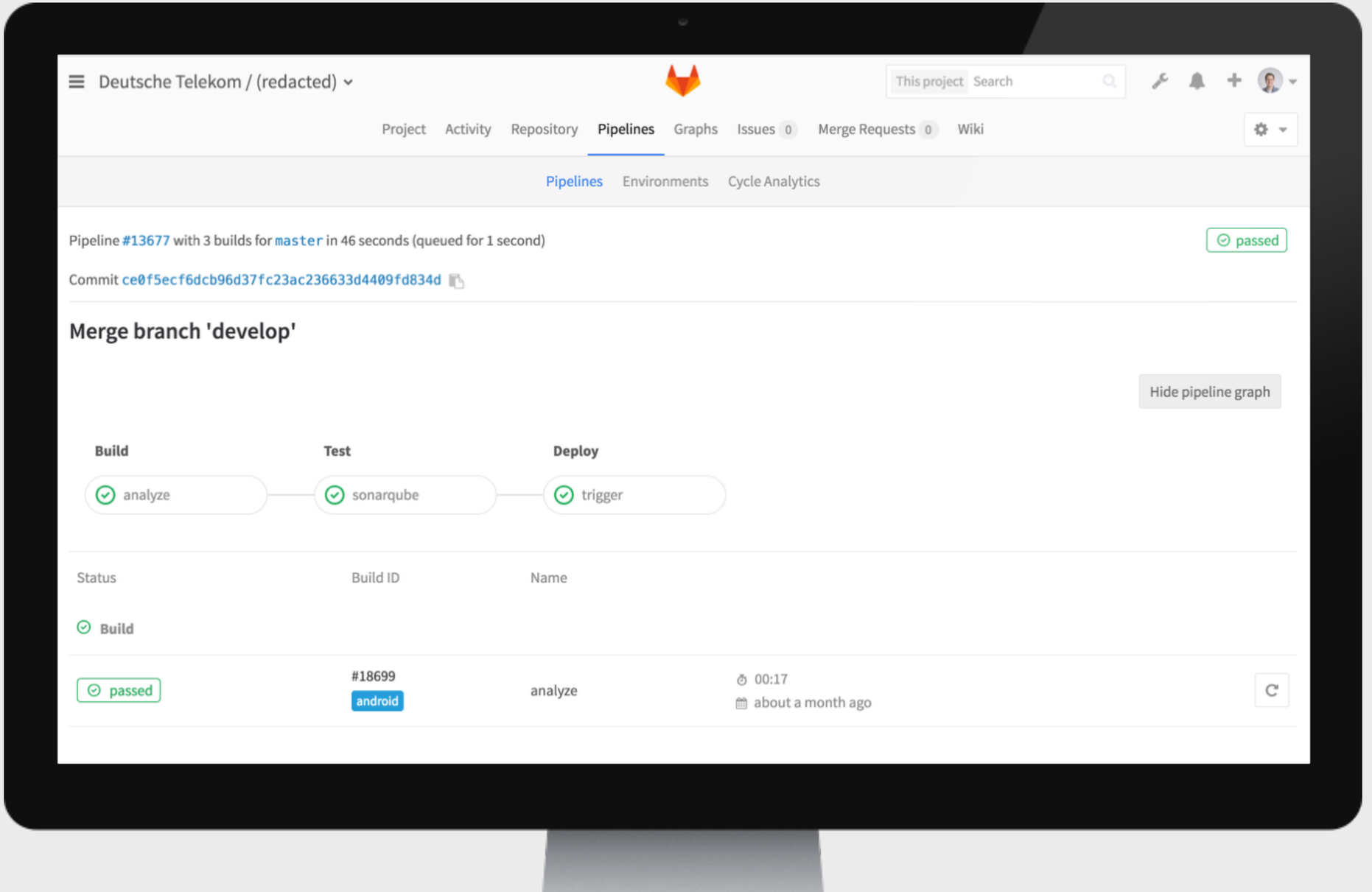
Automation

Tools we use

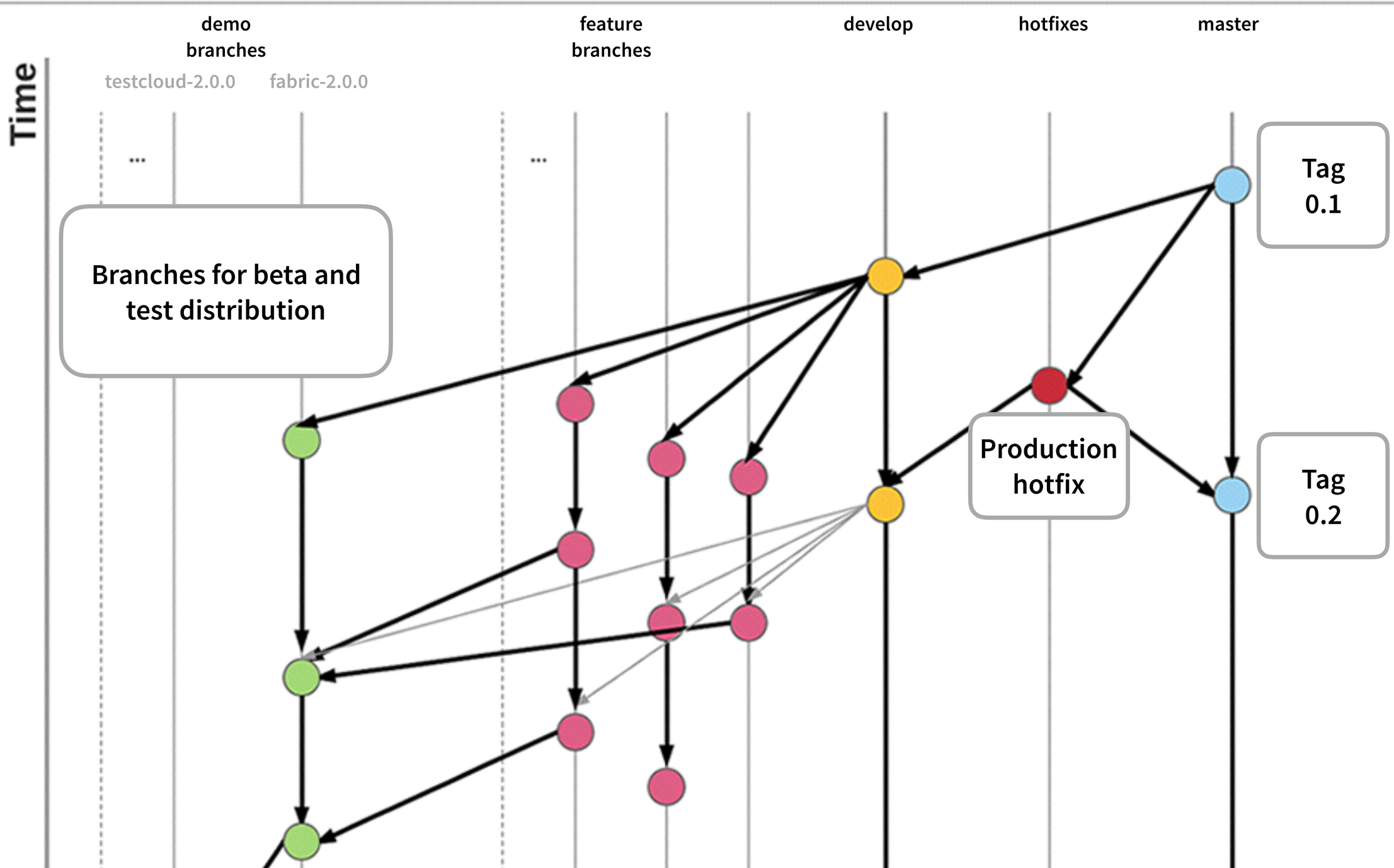
- For iOS
- Command line tool: fastlane
- Certificates & profiles in a standalone repo
- Downside: Admin privilege is a must


certs
development
BEZ9A75QXH.cer
BEZ9A75QXH.p12
distribution
XMVGR6846S.cer
XMVGR6846S.p12
match_version.txt
profiles
adhoc
AdHoc_me.telekom.mojaveza.mock.mobileprovision
AdHoc_me.telekom.mojaveza.prod.mobileprovision
AdHoc_me.telekom.mojaveza.test.mobileprovision
appstore
AppStore_me.telekom.mojaveza.dev.mobileprovision
certs
development
BEZ9A75QXH.cer


(redacted) / (redacted)
This project Search
Project Activity Repository Pipelines Registry Graphs Issues 0 Merge Requests 0 Wiki
Pipeline #14326 with 3 builds for v2.4.8 in 7 minutes 59 seconds (queued for 1 second)
failed
Commit 0cb092494e392cd0dad4ccc8c3e60fe3b7924ad6
New version 2.4.8
Hide pipeline graph
Retry failed
Build
Test
build
calabash:device
unittest
Status
Build ID
Name
Build
passed
#19914
ios
build
06:19
about a month ago


Deutsche Telekom / (redacted)
This project Search
Project Activity Repository Pipelines Graphs Issues 0 Merge Requests 0 Wiki
Pipelines Environments Cycle Analytics
Pipeline #13677 with 3 builds for master in 46 seconds (queued for 1 second)
passed
Commit ce0f5ecf6dcb96d37fc23ac236633d4409fd834d
Merge branch 'develop'
Hide pipeline graph
Build
Test
Deploy
analyze
sonarqube
trigger
Status
Build ID
Name
Build
passed
#18699
android
analyze
00:17
about a month ago

Branching policy


demo branches
feature branches
develop
hotfixes
master
Time
testcloud-2.0.0
fabric-2.0.0
...
...
Branches for beta and test distribution
Tag 0.1
Production hotfix
Tag 0.2

http://medium.com/mito

THANK YOU

FOR YOUR ATTENTION!