

Test and distribute an iOS app with Gitlab CI

Cocoaheads Paris, November 2017



@adhumi

trainline

Disclaimer





trainline



trainline

2-3 developers

.....

product
designer

(shared with multiple teams)

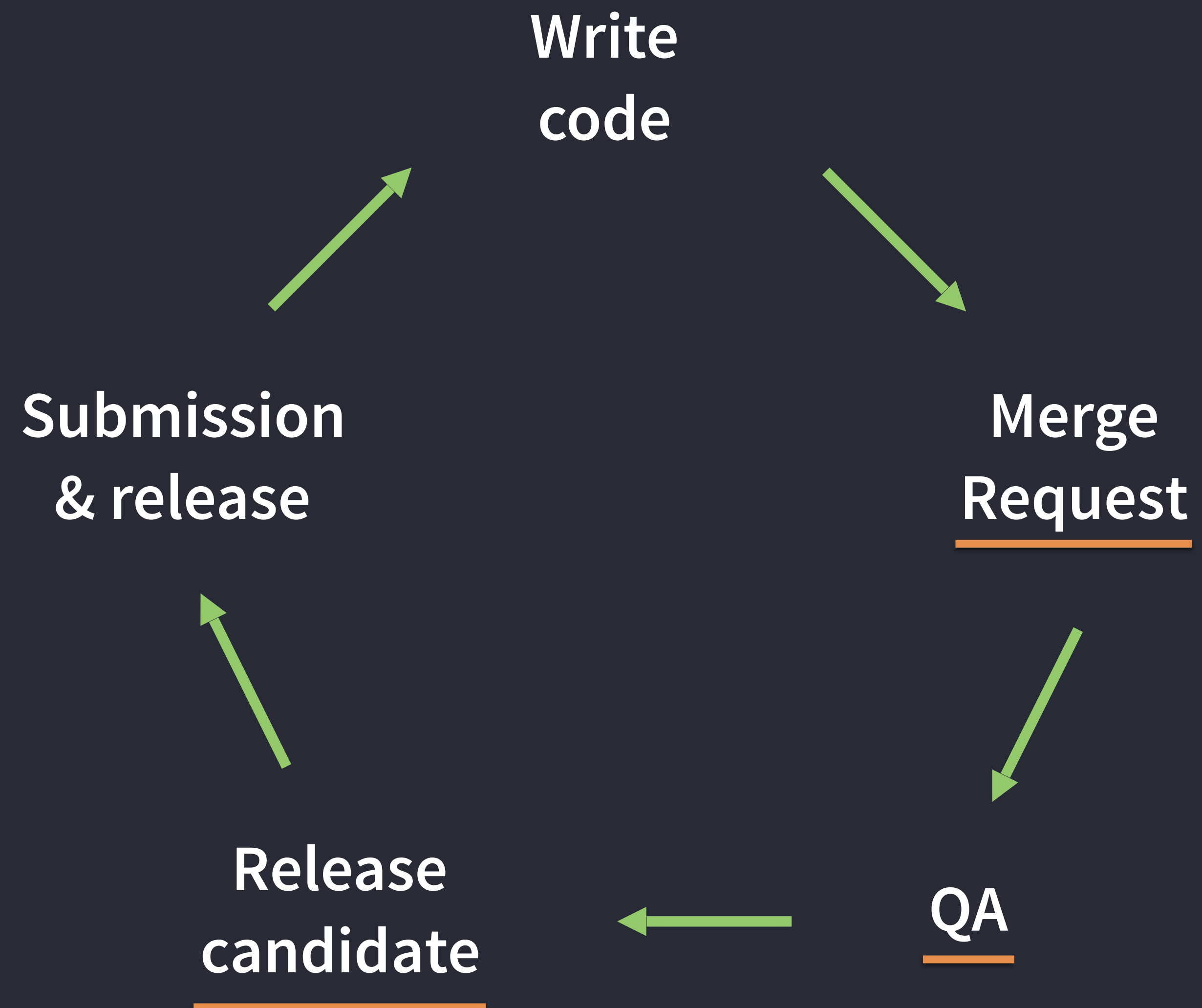
6 developers

product

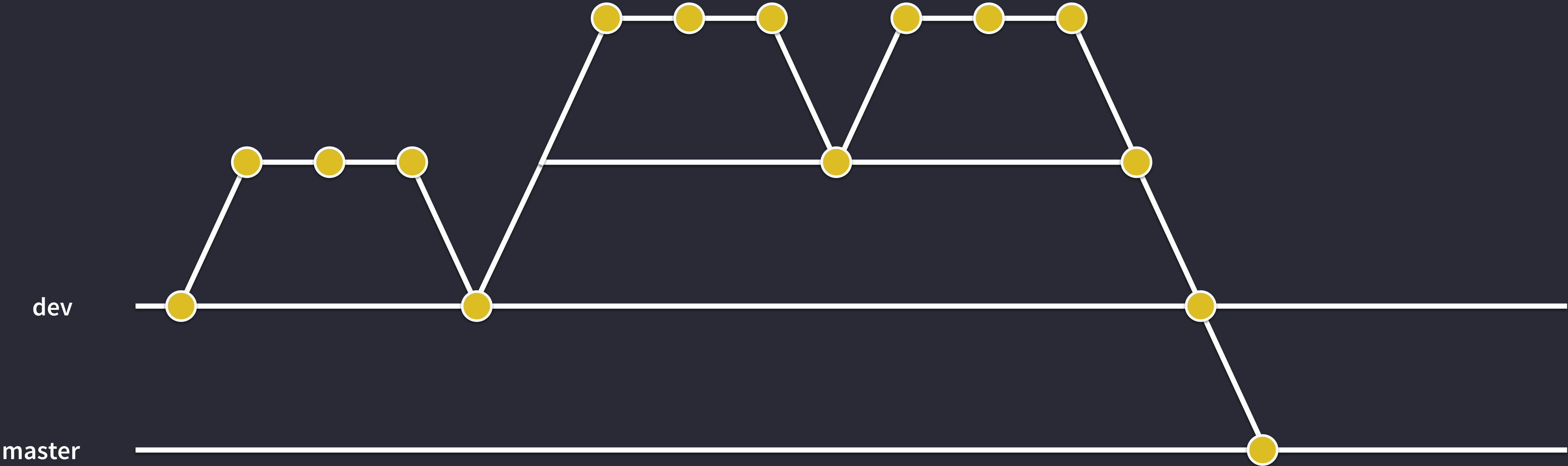
business analyst

designer

QA

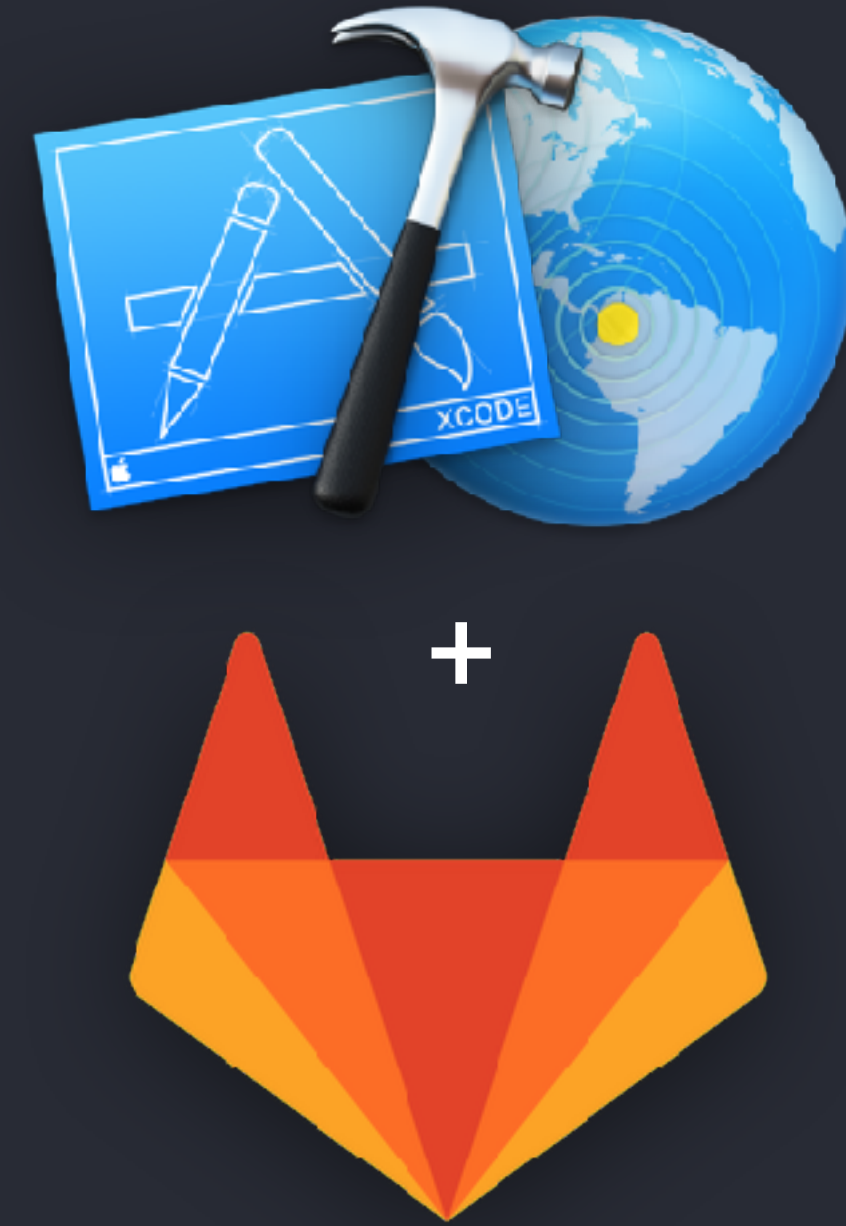


Git workflow



dev

master







Open source ❤️

`.gitlab-ci.yml`

CI config versionned with Git

Source control & CI in the same place

```
brew install gitlab-runner
```

+ register the runner in Gitlab

1 commit == 1 pipeline

1 commit \sim 1 pipeline

1 pipeline == *n* stages

```
stages:  
  - build  
  - test  
  - archive
```

1 stage == *n* jobs

```
test:UI:  
  stage: test  
  script:  
    - make test
```


1 pipeline == stages × jobs

**How do we use it
at Trainline?**

On each Merge Request:

Static analysis

Unit tests

Linters

```
stages:  
  - build  
  - test
```


```
build:static_analysis:
  stage: build
  script:
    - xcodebuild -scheme "$DEBUG_SCHEME" -destination
"$SIMULATOR_DEVICE" analyze
  only:
    - branches
```

```
test:unit_tests:  
  stage: test  
  script:  
    - xcodebuild -scheme "$DEBUG_SCHEME" -destination  
"$SIMULATOR_DEVICE" test  
  only:  
    - branches
```

```
test:lint:
  stage: test
  script:
    - ./Scripts/lint.sh
  allow_failure: true
  only:
    - branches
```



capitainetrain > ios > Merge Requests > !2220

Open

Opened a week ago by  **Adrien Humilière**

Options

[CI] Bump to Xcode 9

Request to merge  **ahumiliere:bump-ci** into dev

Check out branch

Download

✖

Pipeline #81777

✔

✖

failed for 7149b129.

✖ test:unit_tests

✔ test:lint

test: failed

this merge request failed. Please retry the job or push a new commit to fix the

You can merge this merge request manually using the [command line](#)

👍 1

👎 0

😊

Discussion 1

Commits 4

Pipelines 4

Changes 9

Distribute



Production



Debug



master



dev

```
stages:  
  - archive  
  - package  
  - deploy
```

dev branch

```
archive:debug:
  stage: archive
  script:
    - agvtool new-version -all $(agvtool vers -terse).
    $CI_PIPELINE_ID
    - xcodebuild -scheme "$DEBUG_SCHEME" -archivePath
    build/CapitaneTrain-${CI_COMMIT_SHA} archive
    only:
      - dev@capitainetrain/ios
```

master branch

```
archive:release:
  stage: archive
  script:
    - xcodebuild -scheme "$RELEASE_SCHEME" -archivePath
build/CapitaineTrain-${CI_COMMIT_SHA} archive
  only:
    - dev@capitainetrain/ios
```

```
package:
  stage: package
  script:
    - xcodebuild -exportArchive -archivePath $ARCHIVE -
exportOptionsPlist export-options.plist -exportPath
build
only:
  - dev@capitainetrain/ios
  - master@capitainetrain/ios
```



```
deploy:itunes_connect:
  stage: deploy
  script:
    - altool --upload-app -f "${IPA}" -u
    "${CAT_ITC_USERNAME}" -p "${CAT_ITC_PASSWORD}"
  only:
    - dev@capitainetrain/ios
    - master@capitainetrain/ios
```

capitainetrain > ios > Pipelines > #74429

passed

Pipeline #74429 triggered a month ago by Gitlab Runner

Merge remote-tracking branch 'origin/dev'

3 jobs from master in 6 minutes 58 seconds (queued for 1 second)

e071f0af

Pipeline

Jobs 3

Archive

Package

Deploy

archive:release

package

deploy:itunes_...

>>

Apple Inc. itunesconnect.apple.com/WebObjects/iTunesConnect.v

+

+

iTunes Connect

+

iTunes Connect

Mes apps

Trainline Europe - Dev

Adrien Humilière

Capitaine Train

?

App Store

Fonctionnalités

TestFlight

Activité

HISTORIQUE iOS

Toutes les builds











Versions de l'App Store

NOTES ET AVIS

App iOS

Builds iOS

Toutes les builds ayant été soumises pour iOS. Les numéros de version correspondent aux numéros de version Xcode.

	4504.73365	29 sept. 2017 à 19 h 30
	4503.73363	29 sept. 2017 à 19 h 22
	4503.73356	29 sept. 2017 à 18 h 08
	4503.73208	29 sept. 2017 à 13 h 26
	4503.73196	29 sept. 2017 à 13 h 24
	4503.73191	29 sept. 2017 à 12 h 44
	4503.73126	29 sept. 2017 à 11 h 14
	4503.73120	29 sept. 2017 à 11 h 06
	4503.73096	29 sept. 2017 à 10 h 26
	4503.72875	28 sept. 2017 à 13 h 27

Apps

Redeem



Trainline UK

Version 35.4199 (17005)
Expires in 80 days

UPDATE



Blurred app name and details.

Blurred button.



Blurred app name and details.

Blurred button.



Trainline Europe - Dev

Version 45 (4505.79110)
Expires in 80 days

OPEN



Blurred app name and details.

Blurred button.



Trainline Europe

Version 45 (4505)
Expires in 54 days

INSTALL

Previously Tested



Thanks! 🚂💚



@adhumi

trainline

On recrute (des devs Android)