

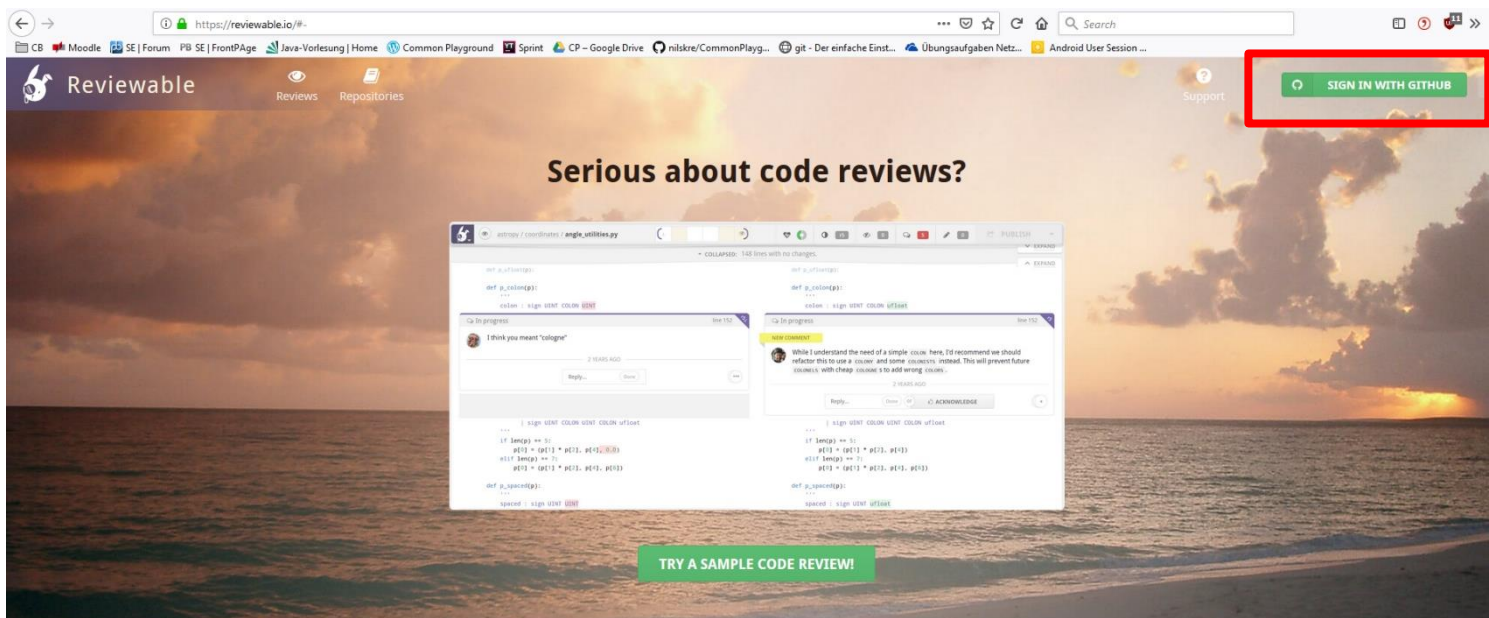
What is Reviewable.IO?

Reviewable.IO is a web application to facilitate code reviews for GitHub projects. It is designed to improve upon GitHub's inbuilt reviewing feature to make the reviewing process clearer for everyone involved. Any steps you might have done in GitHub before can be done in Reviewable instead: comparing code changes, commenting for and back, merging and deleting or keeping merged branches. The tool is free for personal use (public and personal repositories).

Getting started

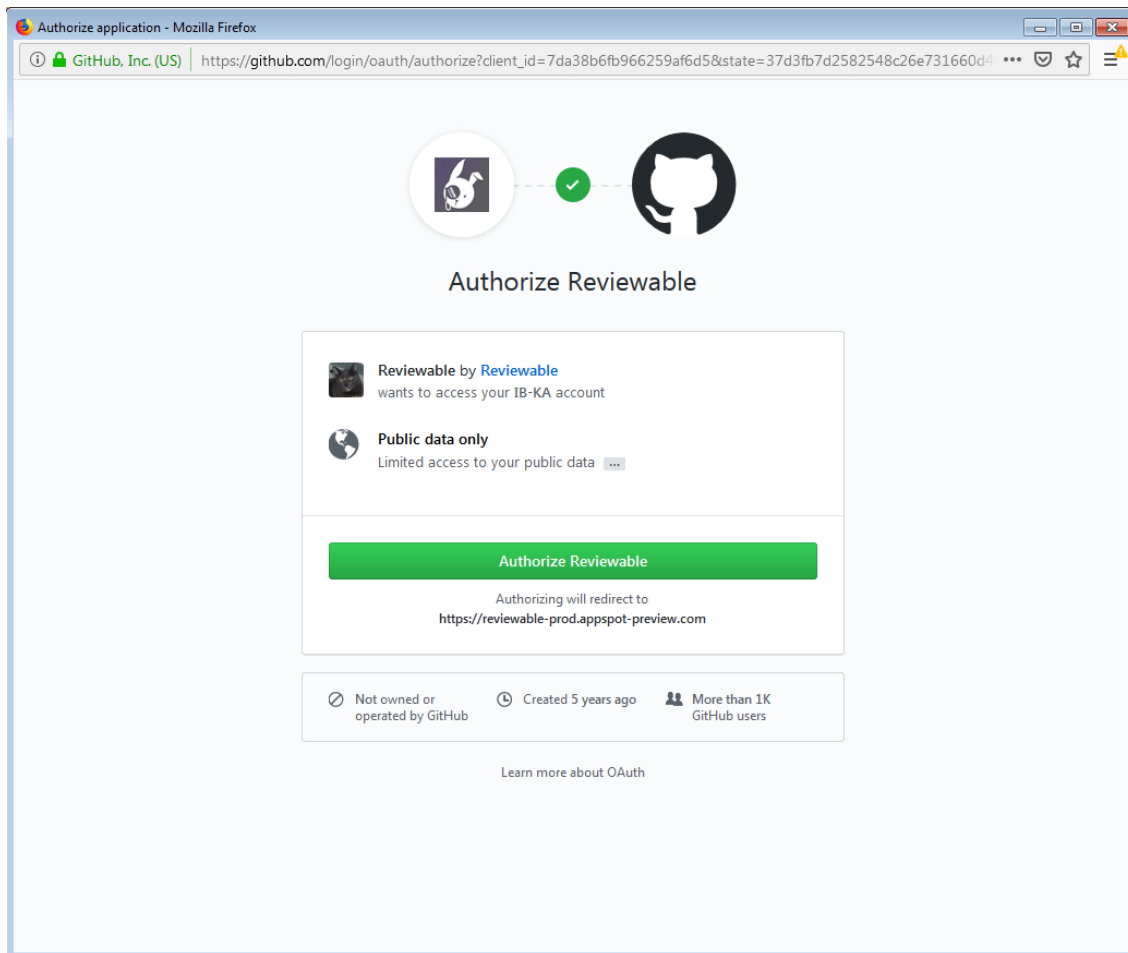
Go to your browser and open [Reviewable.IO](https://reviewable.io)

In the top right corner click "Sign in with Github"

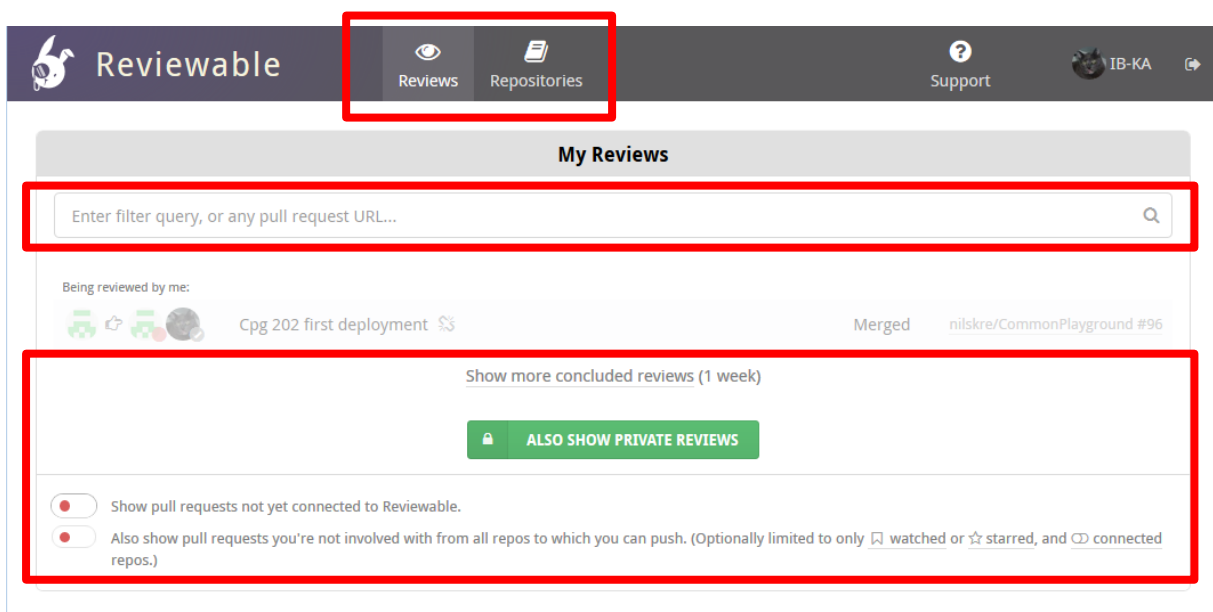


You've found the right code review tool

You will be prompted to authorize Reviewable in GitHub. That authorization can be revoked in GitHub itself under Settings – Applications – Authorized OAuth Apps



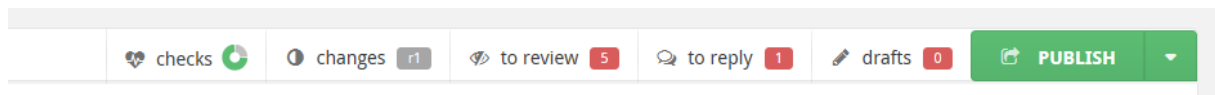
After Authorization you will be able to sign in by simply clicking the button and you will be forwarded to your personal review dashboard. You can switch between reviews and repositories and you can adjust how much you want to see



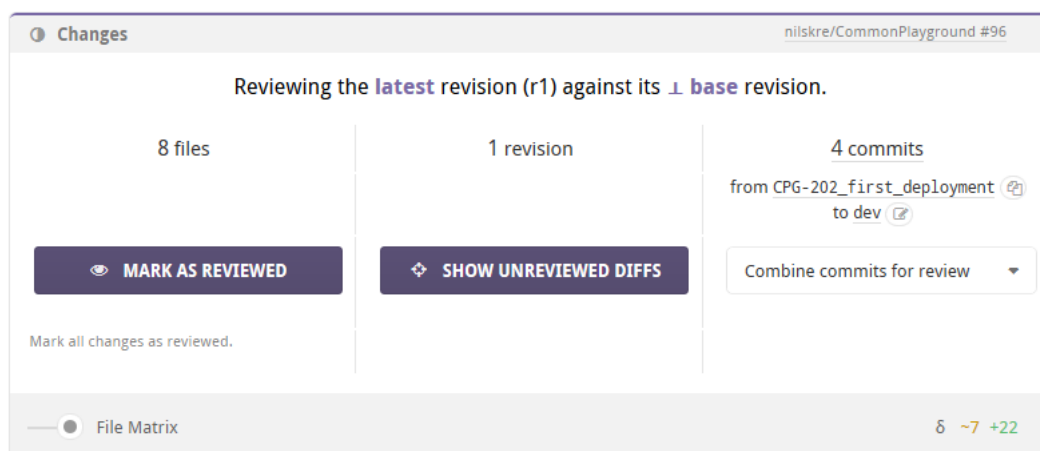
Any pull request you have access to that is not auto-detected by Reviewable can just be added by copying the GitHub link into the search bar in the Reviews tab. You can then open the pull request and start reviewing.

Fun with Reviews

You will see a navigation bar in the top right corner





























And a summary in the center



You can review commit by commit or just get an overview over everything changed at once. You can review file changes all at once via the overview or one by one by scrolling down to the file changes or clicking on “Show unreviewed Diffs”

Below the summary you will find a file matrix showing which files are affected by the pull request and which of them already received a review and which haven't

File Matrix			r1	
 .travis.yml			~2	+9
backend/				
 Dockerfile			~1	
src/main/java/commonplayground/				
 Application.java			+5	
frontend/app/				
 build.gradle			+4	
src/main/java/com/wordpress/commonplayground/				
view/				
 AddSessionActivity.java			~1	+1
 LoginActivity.java			~1	+1
 RegistrationActivity.java			~1	+1
viewmodel/				
 MainActivityViewModel.java			~1	+1

Unpublished: your view

File Matrix	👁	⌵	r1	
👁 .travis.yml	👁		👁	
backend/				
👁 Dockerfile	👁		👁	
src/main/java/commonplayground/				
👁 Application.java	👁		👁	
frontend/app/				
👁 build.gradle	👁		👁	
src/main/java/com/wordpress/commonplayground/				
view/				
👁 AddSessionActivity.java	👁		👁	
👁 LoginActivity.java	👁		👁	
👁 RegistrationActivity.java	👁		👁	
viewmodel/				
👁 MainActivityViewModel.java	👁		👁	

Published

Once a review is published the matrix will also contain information on who gave the review.

Next you will find the review discussion containing pull request and commit information as well as further discussion

The screenshot shows a GitHub 'Review discussion' window. At the top, it says '14 HOURS AGO'. Below this is a yellow 'NEW COMMENTS' banner. The first comment is from user 'nlskre' with the title 'Cpg 202 first deployment'. The comment text is 'first version of backend deployed to Heroku and first frontend apk'. It includes a bulleted list: 'improve Dockerfile', 'adapt Server URL in the Frontend (dev for testing and prod version)', and 'first try to automate backend deployment (not yet tested, needs to be merged into master to test it)'. Below the comment is a section titled 'New commits in r1 (6f7c257) at 2019-04-14 17:04:17Z:' followed by a bulleted list of commit details: 'd4d69e6: CPG-202 change start command for Backend Docker container for Heroku deployment', '04480bc: CPG-202 Frontend depending on build type the App refers to localhost (debug builds) or our Heroku Docker container (release build)', 'ff19f23: CPG-202 Frontend Server Url uses https', and '6f7c257: CPG-203 add commands for deploying backend through Docker container automatically to Heroku'. The last commit has a sub-list: 'added encrypted api key for Heroku', 'add services for Heroku and Docker in Pipeline', 'Build Docker container automatically', 'tag local docker image', 'push local docker image to Heroku registry', and 'release new pushed image'. At the bottom of the comment section are 'Reply...' and 'ACKNOWLEDGE' buttons. The bottom of the screenshot shows a sidebar with 'No labels', the user 'nlskre', and a mention 'IB-KA' with a '3 minutes ago' timestamp.

Review discussion

14 HOURS AGO

NEW COMMENTS

Cpg 202 first deployment

first version of backend deployed to Heroku and first frontend apk

- improve Dockerfile
- adapt Server URL in the Frontend (dev for testing and prod version)
- first try to automate backend deployment (not yet tested, needs to be merged into master to test it)

New commits in r1 (6f7c257) at 2019-04-14 17:04:17Z:

- d4d69e6: CPG-202 change start command for Backend Docker container for Heroku deployment
- 04480bc: CPG-202 Frontend depending on build type the App refers to localhost (debug builds) or our Heroku Docker container (release build)
- ff19f23: CPG-202 Frontend Server Url uses https
- 6f7c257: CPG-203 add commands for deploying backend through Docker container automatically to Heroku
 - added encrypted api key for Heroku
 - add services for Heroku and Docker in Pipeline
 - Build Docker container automatically
 - tag local docker image
 - push local docker image to Heroku registry
 - release new pushed image

Reply... or ACKNOWLEDGE

No labels

nlskre

IB-KA 3 minutes ago

You can acknowledge replies given to you, to keep track of which issues have been addressed and which still need to be dealt with.

Below you will finally find the code changes file by file in a side-by-side view

▼ COLLAPSED: 58 lines with no changes.

EXPAND

EXPAND

```
- stage: deploy-backend
  if: branch = master
  language: java
```

```
script:
  - echo "Deployment-Backend"
```

```
- stage: deploy-frontend
  if: branch = master
  language: android
  android:
    components:
      - build-tools-$ANDROID_BUILD_TOOLS_VERSION
      - android-$ANDROID_API_LEVEL
  script:
    - echo "Deployment-Frontend"
```

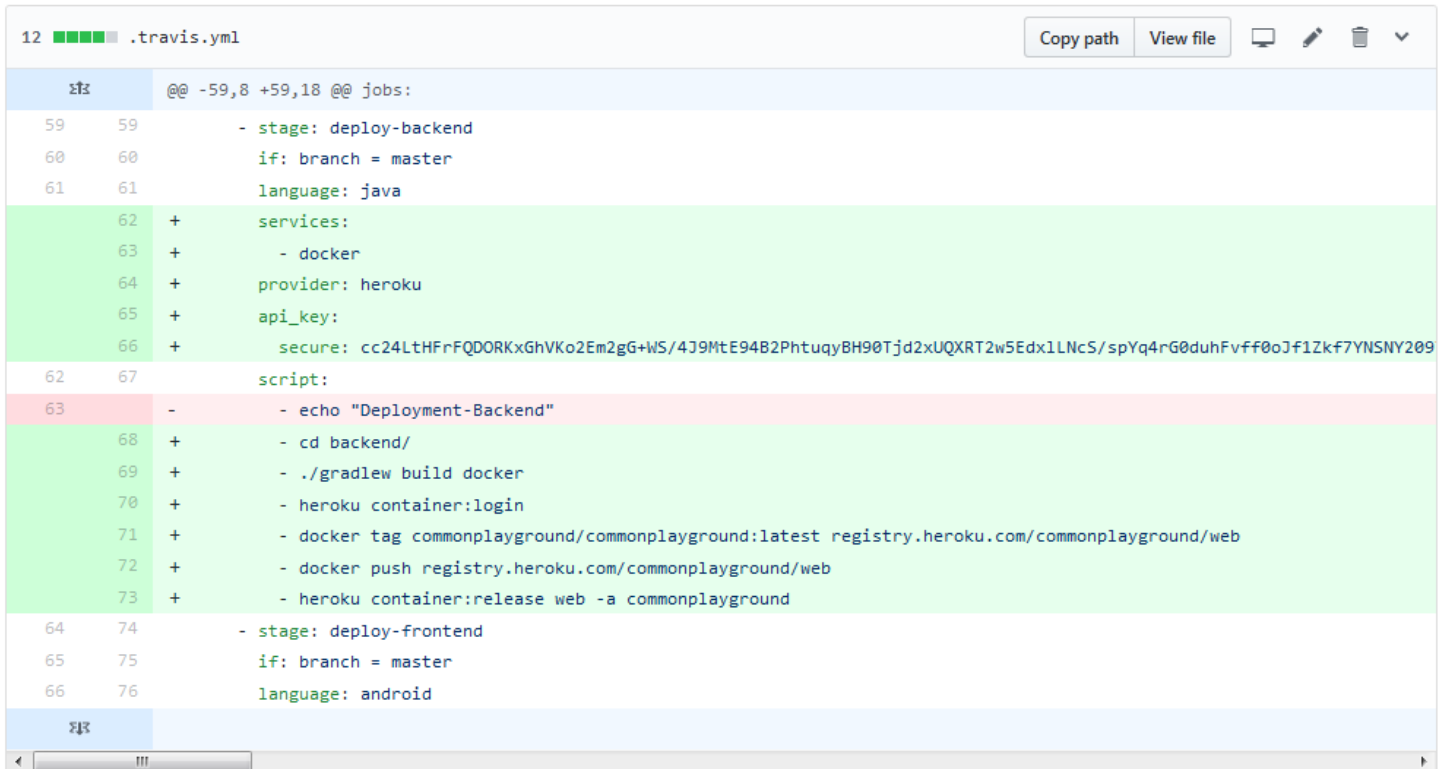
```
- stage: deploy-backend
  if: branch = master
  language: java
```

```
services:
  - docker
  provider: heroku
  api_key:
    secure: cc24LtHFrFQDORKxGhVko2Em2gG+WS/4J9MtE94B2PhtuqyBH90Tjd2xUQXRT2w5EdxLLNcS/spYq4rG0duhFvf0oJf1Zkf7YNSNY2097/b30FKBH
0KoqqFfN/OxoXBQT0eryhRmQD7hsQUDxoRChcOsERnn0y3y9Zq+eDIVUn8wneREcE0EjG1qYPpvr00kUzsEAjh6qixw8rCyZET5KHcCV1/78ZddbSvYj3Hz+8yqgss4e2rp
0y9HALikQdSh9wuwPgHcw8HbSZVOMo+BFvmmqFcI+pcOLTk6VNduqBkBsD4arftv2oqM0J5uJmrTTaHt0zpuDSQwd03kz2I10MwQgOy6AhZNnB/1tCugd7HndvT823FeBR
76z/tveKfvqH6ErqKnjs7TFR6jBIAo5IROLb0SF714ua3o4tKwU/uqSqN4Ks/C72HA7dsiUThngqu+mcoFmUJIXJhuJfBQ2vYU1o04QDAkJRwhZ7nnfJzp+f6MhvxwICQQ
zkCQros4ooBofhpgA5CIb8oeYUhinA+2qSxeZx238vJTawQkGYoFjvTp32H312n126VwJC7L8JTX0m9gwdH8STH1LuvI6nZhrwTSShiqlw51pteQd0pbzvNvNSuss3ZeLvp
VvyjYwVMXwGAGhpeo8mp3cUc6ZbZz2wm5SqmjC8qNFE+mrSf0=
```

```
script:
  - cd backend/
  - ./gradlew build docker
  - heroku container:login
  - docker tag commonplayground/commonplayground:latest registry.heroku.com/commonplayground/web
  - docker push registry.heroku.com/commonplayground/web
  - heroku container:release web -a commonplayground
```

```
- stage: deploy-frontend
  if: branch = master
  language: android
  android:
    components:
      - build-tools-$ANDROID_BUILD_TOOLS_VERSION
      - android-$ANDROID_API_LEVEL
  script:
    - echo "Deployment-Frontend"
```

In GitHub this looked like:



```
12 .travis.yml
@@ -59,8 +59,18 @@ jobs:
59 59     - stage: deploy-backend
60 60       if: branch = master
61 61       language: java
62 62       + services:
63 63         - docker
64 64       provider: heroku
65 65       api_key:
66 66         secure: cc24LthFrFQDORKxGhVKo2Em2gG+WS/4J9MtE94B2Phtuqy8H90Tjd2xUQXRT2w5Edx1LNcS/spYq4rG0duhFvff0oJf1ZkF7YNSNY209
62 67       script:
63 68     - echo "Deployment-Backend"
68 69     - cd backend/
69 70     - ./gradlew build docker
70 71     - heroku container:login
71 72     - docker tag commonplayground/commonplayground:latest registry.heroku.com/commonplayground/web
72 73     - docker push registry.heroku.com/commonplayground/web
73 74     - heroku container:release web -a commonplayground
64 74     - stage: deploy-frontend
65 75       if: branch = master
66 76       language: android
```

Reviewable also is able to ignore changes in whitespace 😊

You can directly add comments to the corresponding code lines and submit them one by one (and annoy the person who issued the pull request) or just publish everything at the end

```
debug {
    testCoverageEnabled true
    buildConfigField "String", "TEST_TAGS", "${getTestTags()}"
    buildConfigField "String", "SERVER_URL", "http://10.0.2.2:8080/"
}
release {
    minifyEnabled false
    proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
    buildConfigField "String", "SERVER_URL", "https://commonplayground.herokuapp.com/"
    // workaround for signing. Has to be changed later:
}
```

New comment

line 24

DRAFT



Mind explaining this a bit? What are you working around and how should it be fixed later?

WRITE

PREVIEW

draft saved

14 ?

+

🗑

🔄

```
signingConfig debug.signingConfig
}
```

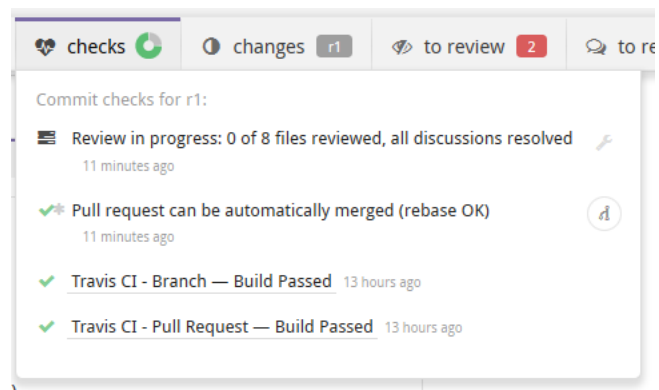
```
}
compileOptions {
```

EXPAND

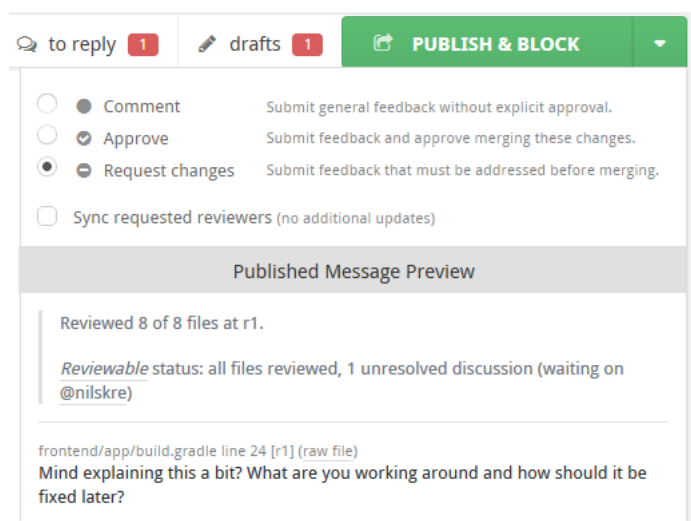
Other nice Features

If you have any deployment checks you can view them before reviewing (as you can in GitHub)

Reviewable also tells you if there are still discussion open and whether you will have a merge conflict or not



You have full control over the pull request in Reviewable as you would have in GitHub. You can add your necessary reviews here (approval) or block the PR until something is resolved. You can also call in other reviewers who you think should have a second look at this.



You can then finish the entire merging process in Reviewable. You can basically handle the entire pull request without opening GitHub once (provided your syncing already works and you don't need to copy the PR link)

