

**AUTOMATE ALL THE THINGS**

あらゆる作業を自動化しよう

# SELF INTRO

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- ▶ minne @ GMO Pepabo
- ▶ Danger-Swift contributor
  - ▶ Likes 

**CI IS THE ULTIMATE AUTOMATION TOOL**

**BUT THERE ARE A RANGE OF OTHER TOOLS**

- ▶ **Danger and other automation platforms**
  - ▶ **Scripts**
  - ▶ **GitHub Actions and Apps**
    - ▶ **Bots**
    - ▶ **Linters**

# WHY AUTOMATE?

- ▶ **Fewer mistakes**
- ▶ **Increase development speed**
  - ▶ **More efficient**
  - ▶ **More exciting**




# WHAT AREAS TO AUTOMATE?

- ▶ Take much time for 1 or more people
  - ▶ Take time for multiple people
    - ▶ High risk
  - ▶ Prone to being forgotten

# NORMAL CI FLOW (LEVEL 1)


**RUN TESTS FOR  
EACH PR**



**Review requested**

Review has been requested on this pull request. It is not required to merge. [Learn more.](#)


[Show all reviewers](#)




**All checks have passed**

2 successful checks

[Hide all checks](#)



 **continuous-integration/bitrise**

[Details](#)

# INTERMEDIATE CI FLOW (LEVEL 2)

# LINTERS AND OTHER STATIC ANALYSIS

# SWIFTLINT + DANGER

```
swiftlint.lint_files inline_mode: true
```





pepabot commented 7 days ago • edited ▾



### 23 Warnings



[minne/Classes/AppDelegate.swift#L38](#) - TODOs should be resolved (  
[REDACTED]).

# ORIGINAL STATIC ANALYSIS

# SPELL CHECKING



[minne/Classes/Controllers/Product/ProductEditViewController.swift#L1247](#) - タイポかも？  
Dictionary

```
# タイポを検知する

added_and_modified_files = git.added_files + git.modified_files
added_and_modified_files.each do |file_path|
  next unless file_path =~ /\.swift$/
  stdout, status = Open3.capture2("npx", "cspell", file_path)

  next if status.success?
  stdout.split("\n").each do |line|
    next unless matches = /\w+\.swift:(\d+).*-\sUnknown\sword\s\((\w+)\)/.match(line)
    line_number = matches[1].to_i
    word = matches[2]

    warning = "タイポかも? #{word}"
    warn(warning, file: file_path, line: line_number)
  end
end
```

# AUTOMATE PR TASKS

# ASSIGN REVIEWERS

```
# レビューワー指定（コメント指定のためにこれを一番上に書く必要あり）
reviewers = ["user1", "user2", "user3"].reject { |reviewer| reviewer == github.pr_author }
repo_name = github.pr_json["head"]["repo"]["full_name"]
pr_number = github.pr_json["number"]





number_of_comments = github.api.issue_comments(repo_name, pr_number).size
if number_of_comments.zero?

  reviewers = reviewers.sample(2)

  github.api.request_pull_request_review(
    repo_name,
    pr_number,
    {},
    "reviewers": reviewers
  )
end
```



# POST CI RESULTS

	1 Error
	<b>MyWeightTests.MyWeightTests:</b> testError, failed - :w: <a href="#">MyWeightTests/MyWeightTests.swift#L26</a>
	2 Warnings
	<b>MyWeight/ViewController.swift#L35:</b> initialization of immutable value ‘bla’ was never used; consider replacing with assignment to ‘_’ or removing it <pre>let bla = "unused variable"</pre>
	<b>Bla.m#L32:</b> Value stored to ‘theme’ is never read <pre>theme = *ptr++;</pre>
	1 Message
	Executed 5 tests, with 1 failure (0 unexpected) in 0.032 (0.065) seconds

```
# Xcode Summary  
build_report_file = 'build_results.json'  
xcode_summary.ignored_files = 'Pods/**'  
xcode_summary.ignores_warnings = true  
xcode_summary.inline_mode = true  
xcode_summary.report build_report_file
```

# POST CODE COVERAGE

nakiostudio-bot commented on 21 Aug 2016



Current coverage for EasyPeasy.framework is **100%**

Files changed	-	-
CompoundAttribute.swift	100%	✓
Context.swift	100%	✓
Attribute.swift	100%	✓
UIView+Easy.swift	100%	✓

Powered by [xcov](#)

Generated by  [danger](#)

```
xcov.report(  
    scheme: 'minne',  
    workspace: 'minne.xcworkspace',  
    exclude_targets: 'TodayExtension.appex, NotificationServiceExtension.appex, MinneKit.framework',  
)
```

# ADVANCED CI FLOW (LEVEL 3)

# CUSTOM LINTER RULES







```
prefer_gregorian_calendar:
  name: "Gregorian Calendar"
  regex: "Calendar\\.current"
  message: "Please use `Calendar(identifier: .gregorian)` to avoid Japanese calendar-related bugs"
  severity: error
https_only:
  name: "HTTPS Only"
  match_kinds:
    - string # コメントなどを無視して、文字列のみをみる
  regex: "http:"
  message: "Please use HTTPS due to security policy"
  severity: error
```

# AUTOMATIC DEPENDENCY UPDATES

# Framework updates 02-27-06-15 #5198

 **Closed** pepabot wants to merge 1 commit into `develop` from `tachikoma/update-02-27-06-15`

-  Conversation **5**
-  Commits **1**
-  Checks **0**
-  Files changed **1**



pepabot commented 9 days ago

+  ...

🔥 🔥 アップデートサレテイルラシイデス。ヨロシイデスカ？ 🔥 🔥

# DEPLOYMENT



**JobsBorg5000** アプリ 21:08

@minne-ios ベータのビルドが始まりました



**JobsBorg5000** アプリ 21:26

ジャンプ

@minne-ios

minne betaが 9.23.0.1.6549 としてTestFlightへアップロードされたので、検証よろしくお願いします。（反映後通知されます）

また、リリースノートを書きいていない場合はリリースノートを書いていただくよう、お願いします～



**JobsBorg5000** アプリ 21:44

ジャンプ

[@minne-ios](#) 9.23.0.1、App Connectにアップロードし、現在処理中です。

[@minne-product-directors](#) 概要の更新をお願いします

```
lane :release do
  capture_screenshots          # generate new screenshots for the App Store
  sync_code_signing(type: "appstore") # see code signing guide for more information
  build_app(scheme: "MyApp")
  upload_to_app_store          # upload your app to App Store Connect
  slack(message: "Successfully uploaded a new App Store build")
end
```



# SPEED OPTIMIZATION

# CACHING

# PARALLELIZATION

# PLANS

- ▶ Automated security checking
- ▶ Framework updates w/ release notes
  - ▶ Bots
  - ▶ Chat ops

# CONCLUSION

**"LIQUID SOFTWARE"**

**AUTOMATE ALL THE THINGS**