

\$ whoami

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iOS/Mac/Java

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Fastlane

"Connect all iOS and Android deployment tools into one streamlined workflow"

- Written by Felix Krause
- Now part of Twitter Fabric
- Powered by Spaceship providing access the Apple Dev Center and iTunes Connect

Using Fastlane

- Manage your builds
- Manage signing certificates
- Automate screen shots
- Manage iTunes Connect including metadata, release, and binaries

What I'll talk about

- Talk through some of the tools
- Show the configuration files
- Show some of the output and reports
- Run Fastlane so you can see how cool it is

deliver

Upload screenshots, metadata and your app to the App Store using a single command.

snapshot

Automate taking localized screenshots of your iOS app on every device

frameit

Quickly put your screenshots into the right device frames

pem

Automatically generate and renew your push notification profiles

sigh

Because you would rather spend your time building stuff than fighting provisioning

produce

Create new iOS apps on iTunes Connect and Developer Portal using the command line

cert

Automatically create and maintain iOS code signing certificates

scan

The easiest way to run tests of your iOS and Mac app

gym

Building your iOS app has never been easier

match

Easily sync your certificates and profiles across your team using Git

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How does it work?

- Fastlane runs actions
- As of version 1.81.0 there are 166 actions
- Each of the tools is an action
- Many tools run standalone but the real power is in creating "lanes"

My Fastlane Beta Lane

```
desc "Submit a new Beta Build to HockeyApp"
desc "This will also make sure the profile is up to date"
lane :beta do
  sh "../BuildScript.sh"
  # badge --shield="beta-1.0.1-blue" --shield_no_resize --no_badge --shield_gravity=South
  badge(shield: "beta-1.0.1-blue", no_badge: true, shield_no_resize: true, shield_gravity:"South")
  match(type: "development") # more information: https://codesigning.guide
  gym(scheme: "Intervals") # Build your app - more options available
  hockey(
    api_token: "HOCKEY_API_TOKEN",
    notes: "Release notes."
  )

  sh "../RevertAppIcons.sh"
  # You can also use other beta testing services here (run `fastlane actions`)
end
```


- Scan (tests)
- Gym (build)

scan

The easiest way to run tests of your iOS and Mac app

Scanfile

```
# For more information about this configuration visit
# https://github.com/fastlane/scan#scanfile

# In general, you can use the options available
# scan --help

# Remove the # in front of the line to enable the option

scheme "Intervals"

device "iPhone 5"

open_report true
```

gym

"Building your iOS apps has never been easier"

— replacement for xcodebuild

— NB: ensure all signing assets are present,
development and appstore

[https://github.com/fastlane/gym/
issues/100#issuecomment-182443211](https://github.com/fastlane/gym/issues/100#issuecomment-182443211)

using gym

```
xcodebuild clean archive -archivePath build/MyApp \  
                    -scheme MyApp
```

```
xcodebuild -exportArchive \  
    -exportFormat ipa \  
    -archivePath "build/MyApp.xcarchive" \  
    -exportPath "build/MyApp.ipa" \  
    -exportProvisioningProfile "ProvisioningProfileName"
```

VS

gym

Gymfile

```
scheme "Intervals"
```

```
clean true
```

```
# specify SDK
```

```
# sdk "iphonios9.0"
```

```
output_directory "./build"
```

Snapshot

"Automate taking localized screenshots of your iOS app on every device"

- NB: Be sure to setup your application before running
- NMB: you might need to run 'snapshot reset_simulators'

Snapfile

```
# A list of devices you want to take the screenshots from
devices([
  "iPhone 6",
  "iPhone 6 Plus",
  "iPhone 5",
  "iPhone 4s"
])

languages([
  "en-US",
  "es-MX"
])
```


Snapshot success

snapshot results		
Device	en-US	es-MX
iPhone 6	♥	♥
iPhone 6 Plus	♥	♥
iPhone 5	♥	♥
iPhone 4s	♥	♥

match

"Easily sync your certificates and profiles across your team using git"

Store certificate information encrypted in a git repository. Match checks out, decrypts, and installs in your keychain

Matchfile

```
git_url "https://public_url_to_the_repo_with_your_keys"  
type "development" # The default type, can be: appstore, adhoc or development  
app_identifier "com.iliosinc.Intervals"  
username "USER" # Your Apple Developer Portal username
```

using match

- match development
- match appstore

maybe

- match nuke distribution

Deliver

"Upload screenshots, metadata and your app to the App Store using a single command"

- Many options such as
 - `skipping uploads (metadata, screenshots, etc)`
 - `automatic_release`
 - `submit_for_review`
 - much more

DeliverFile

```
app_identifier "com.iliosinc.Intervals" # The bundle identifier of your app
username "USER" # your Apple ID user

copyright "#{Time.now.year} ILIOS Inc."

baseLanguage = "en-US"

supportedLanguages = {
  "es-MX" => "es"
}
```

DEMO

fastlane beta
snapshot