



Fastlane

Zsoldos Tamás

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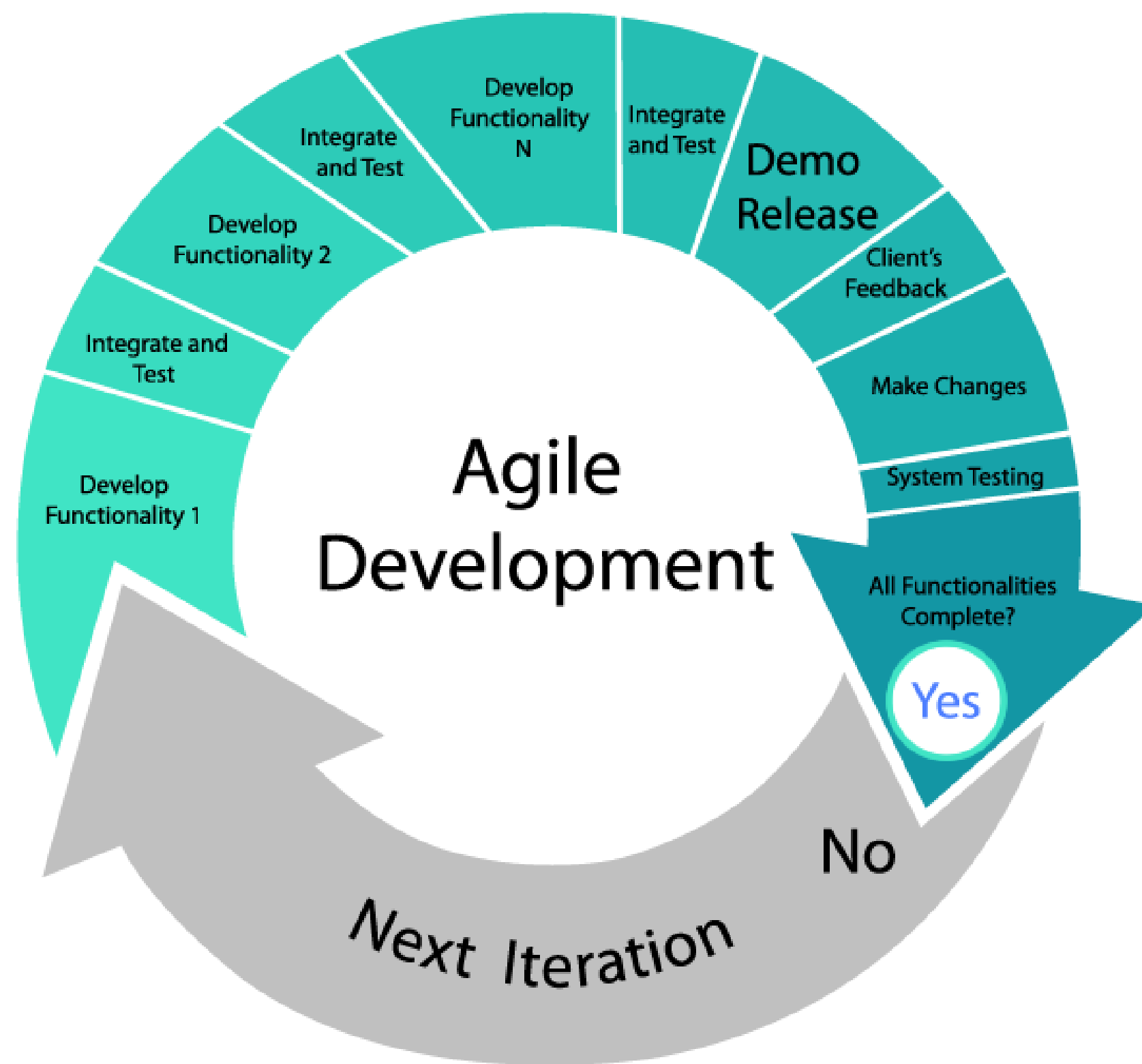
Agenda



- Korszerű szoftverfejlesztés?
- Zökkenő mentes iOS release..
- Automatizálás, mert az idő pénz!
- Fastlane Tools
- Fastlane Actions
- Fastlane workflow
- Demó time 😊

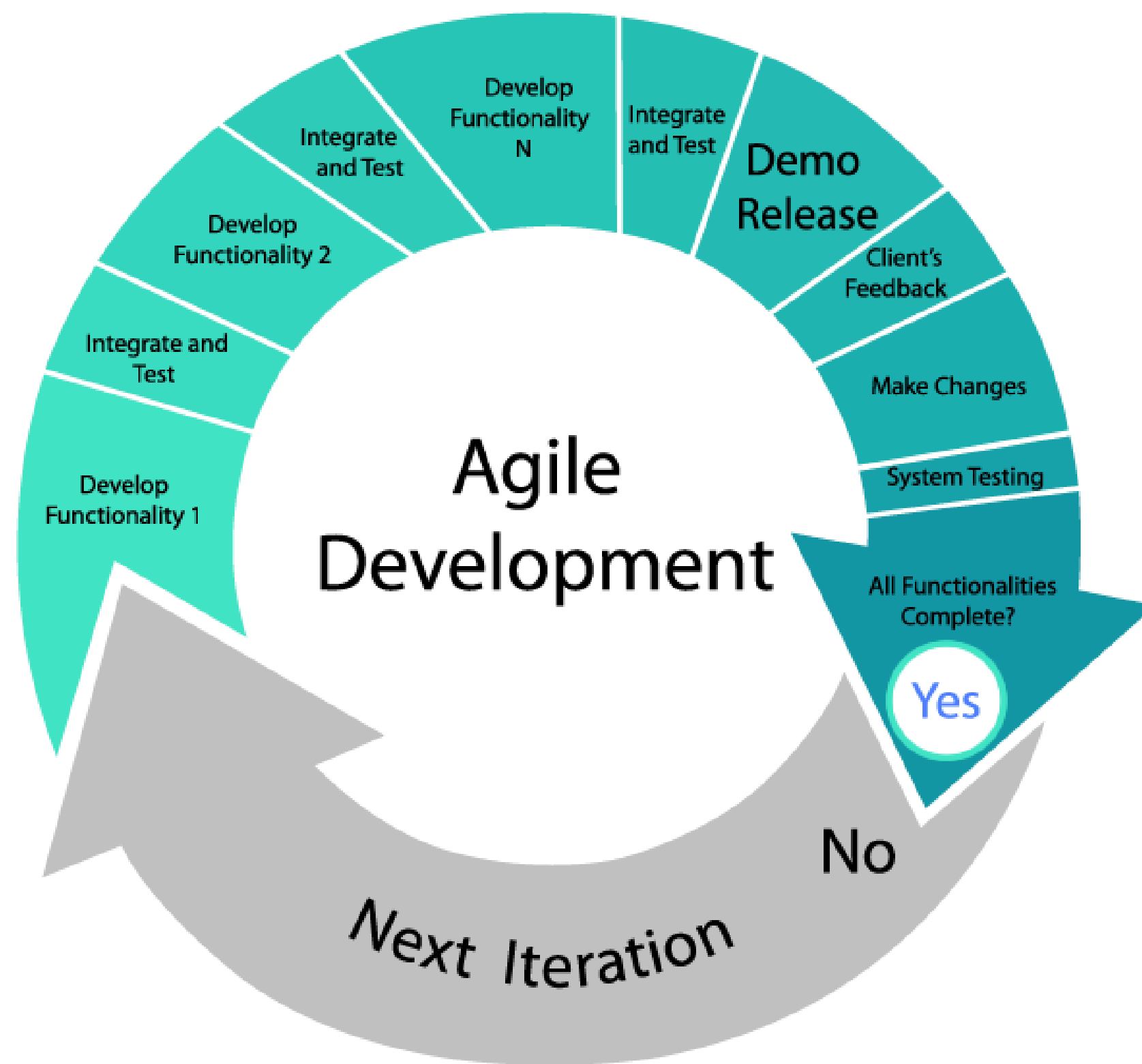


Korszerű szoftverfejlesztés?



- Magas megrendelői elvárások
- Magas felhasználói elvárások

Korszerű szoftverfejlesztés?

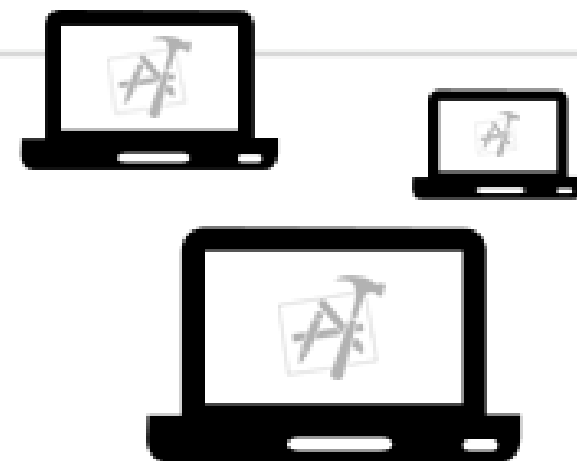


- Gyakori publikálás igénye
- Megváltozott terjesztési csatornákon

Zökkenő mentes iOS release



- Code signing folyamat
- Provisioning profile problémák
- App Store feltöltés gondok
- Push notification certificates
- Hockey, Fabric, TestFlight, App Store, stb.
- Screenshots legyártása
- Meta data management
- Git commit & tag
- Notifications
- Stb.



Update provisioning
profiles across machines



No code signing identities found

No valid signing identities (i.e. certificate
and private key pair) were found.

Fix Issue

iOS Distribution	❗ Expired
iOS Distribution	❗ Expired
iOS Distribution	❗ Expired
iOS Distribution	❗ Expired
iOS Distribution	❗ Expired

Zökkenő mentes iOS release

- **Code signing folyamat**
 - Provisioning profile problémák
 - App Store feltöltés gondok
 - Push notification certificates



Zökkenő mentes iOS release



- **Code signing folyamat**
 - Provisioning profile problémák
 - App Store feltöltés gondok



Getting Started with iOS Certificates

You will need to set up digital certificates to develop and distribute iOS apps. To install your app on a development device or submit it to the App Store, it must first be signed with an Apple-issued certificate. Certificates allow the system to identify who signed the app.

Request Certificates with Xcode

Xcode is the easiest way to request certificates. Connect your device to your Mac and click Use for Development in Xcode's Organizer window. Sign in with the Apple ID associated with your iOS Developer Program membership and Xcode will automatically generate your certificates.

Request Certificates Manually

To request certificates, upload a [Certificate Signing Request](#) from your Mac.

Learn More

 [App Distribution Guide](#)

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To request certific

Learn More

 [App Distributi](#)


Add iOS Certificate

Select Type

Request

Generate

Download



What type of certificate do you need?

Development

☐ **iOS App Development**
Sign development versions of your iOS app.

☐ **Apple Push Notification service SSL (Sandbox)**
Establish connectivity between your notification server and the Apple Push Notification service sandbox environment. A separate certificate is required for each app you develop.

Production

☐ **App Store and Ad Hoc**
Sign your iOS app for submission to the App Store or for Ad Hoc distribution.

☐ **Apple Push Notification service SSL (Production)**
Establish connectivity between your notification server and the Apple Push Notification service production environment. A separate certificate is required for each app you distribute.

☐ **Pass Type ID Certificate**
Sign and send updates to passes in Passbook.


☐ **Website Push ID Certificate**
Sign and send updates for Websites.

☐ **VoIP Services Certificate**
Establish connectivity between your server and the VoIP service. A separate certificate is required for each VoIP app you distribute.

☐ **Apple Pay Certificate**
Decrypt app transaction data sent by Apple to a merchant/developer.

Intermediate Certificates

To use your certificates, you must have the intermediate signing certificate in your system keychain. This is automatically installed by Xcode. However, if you need to reinstall the intermediate signing certificate click the link below:

 [Worldwide Developer Relations Certificate Authority](#)

Cancel

Continue



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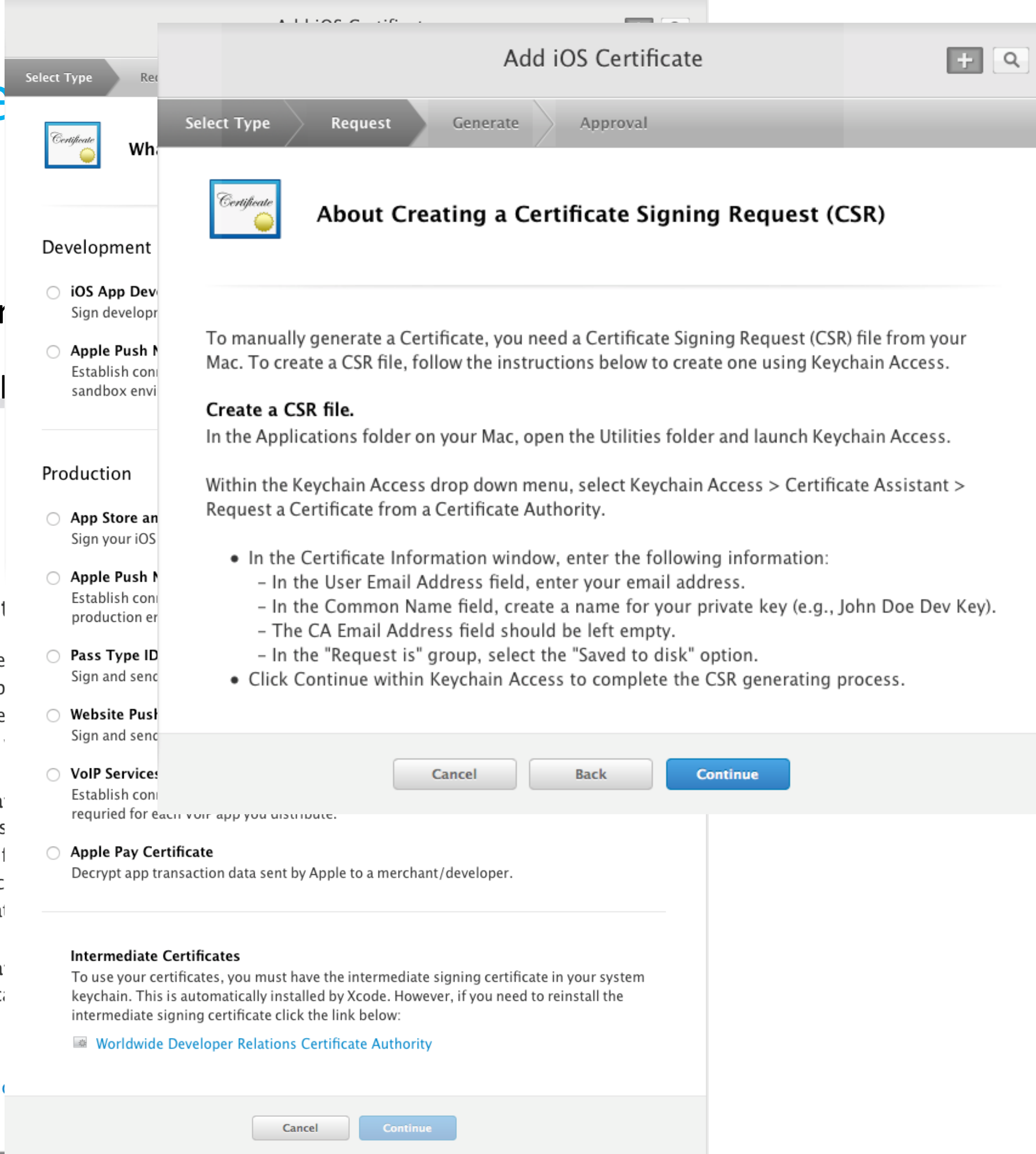
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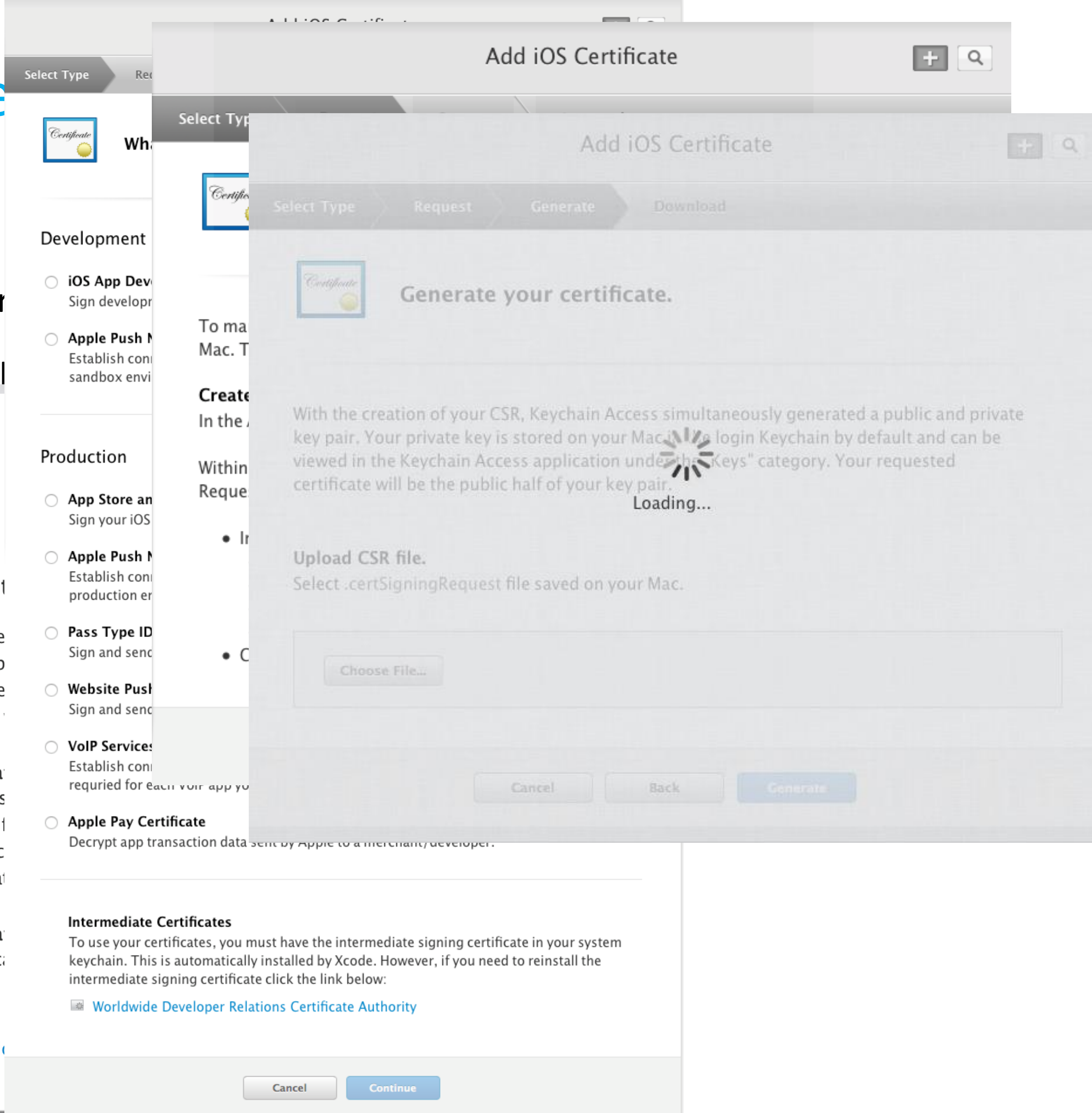
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Production

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☐ **Pass Type ID**
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☐ **Website Push**
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Select Type



Select Type

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Add iOS Certificate



Add iOS Certificate



Add iOS Certificate



Select Type

Request

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Generate your certificate.

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key pair. Yo
viewed in tl
certificate v

Upload CSI
Select .cert

With the creation of your CSR, Keychain Access simultaneously generated a public and private key pair. Your private key is stored on your Mac in the login Keychain by default and can be viewed in the Keychain Access application under the "Keys" category. Your requested certificate will be the public half of your key pair.

Loading...

Upload CSR file.

Select .certSigningRequest file saved on your Mac.

Choose...

Choose File...

Cancel

Back

Generate

Cancel

Continue



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Add iOS Certificate



Select Type



Select Type



Select Type



Add iOS Certificate



Add iOS Certificate



Add iOS Certificate



Select Type

Request

Generate

Download



Your certificate is ready.

Download, Install and Backup

Download your certificate to your Mac, then double click the .cer file to install in Keychain
Access. Make sure to save a backup copy of your private and public keys somewhere secure.



Name: iOS Distribution: Georg Krause
Type: iOS Distribution
Expires: Feb 19, 2016

[Download](#)

Documentation

For more information on using and managing your certificates read:

[App Distribution Guide](#)

[Add Another](#)

[Done](#)

[Cancel](#)

[Continue](#)



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Cancel

Continue

Add iOS Certificate



Add iOS Certificate



Add iOS Certificate



Add iOS Certificate



Select Type

Request

Generate

Download



Add Certificates



Do you want to add the certificate(s) from the file
"ios_distribution-2.cer" to a keychain?

Keychain: login

View Certificates

Cancel

Add

Add Another

Done

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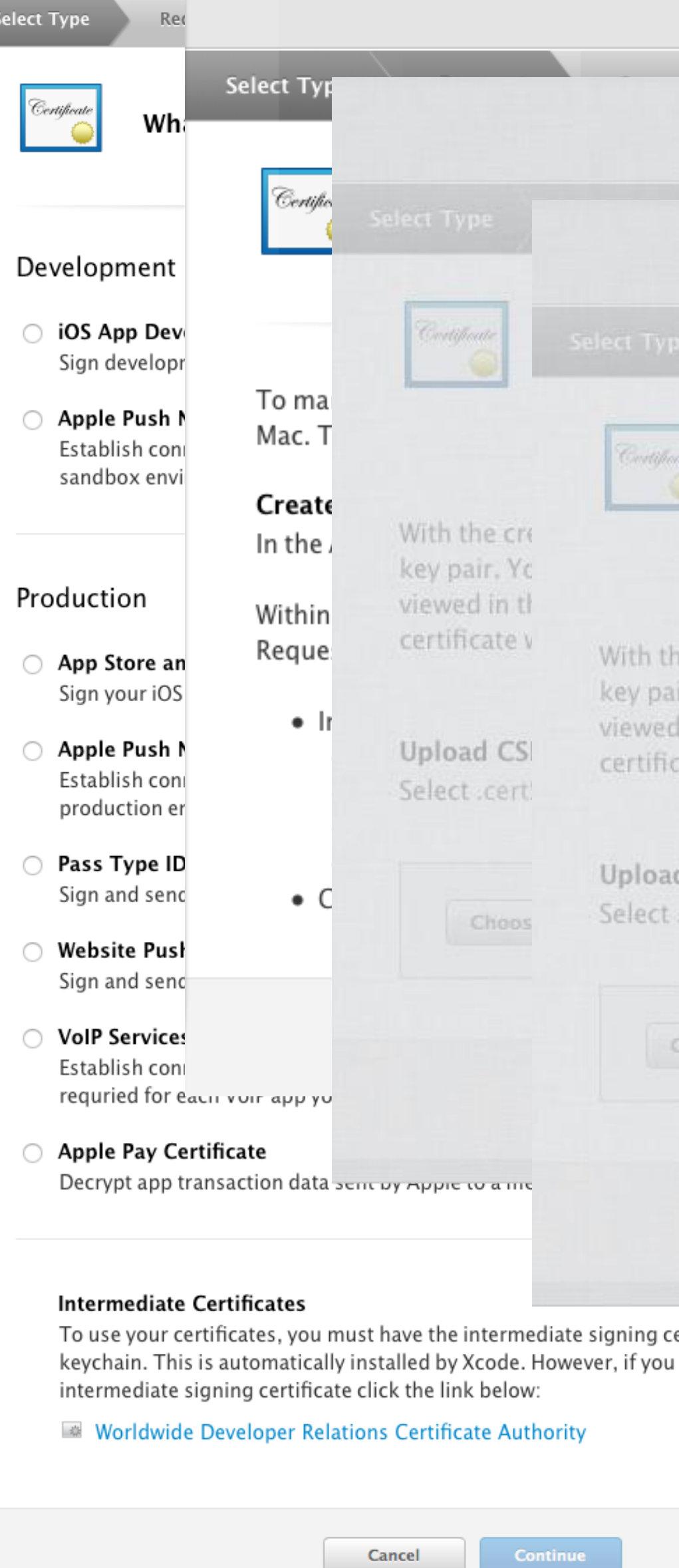
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Learn More

 [App Distributi](#)



Select Type

What type of provisioning profile do you need?


Development

- ☐ **iOS App Development**
Sign development apps and install them on test devices.
- ☐ **Apple Push Notification Service**
Establish connection to the APNs sandbox environment.

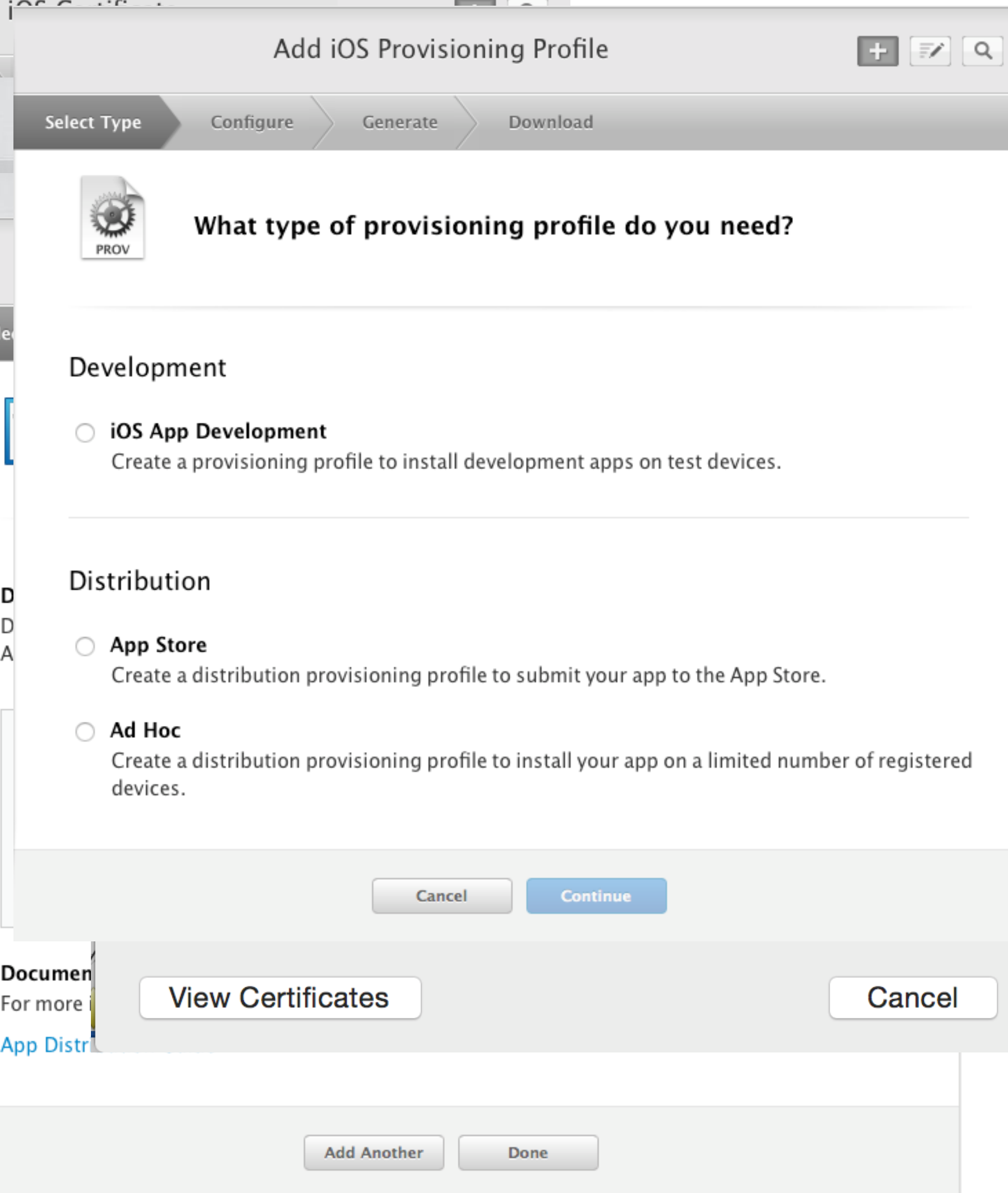
Production

- ☐ **App Store and iTunes**
Sign your iOS app for distribution to the App Store.
- ☐ **Apple Push Notification Service**
Establish connection to the APNs production environment.
- ☐ **Pass Type ID**
Sign and send passkeys to a service.
- ☐ **Website Push**
Sign and send website push notifications.
- ☐ **VoIP Services**
Establish connection to the VoIP service required for each your app you use.
- ☐ **Apple Pay Certificate**
Decrypt app transaction data sent by Apple to a merchant.

Intermediate Certificates
To use your certificates, you must have the intermediate signing certificate installed in your keychain. This is automatically installed by Xcode. However, if you have an intermediate signing certificate click the link below:

 [Worldwide Developer Relations Certificate Authority](#)

Cancel Continue



Add iOS Provisioning Profile

Select Type Configure Generate Download

What type of provisioning profile do you need?

Development

- ☐ **iOS App Development**
Create a provisioning profile to install development apps on test devices.

Distribution

- ☐ **App Store**
Create a distribution provisioning profile to submit your app to the App Store.
- ☐ **Ad Hoc**
Create a distribution provisioning profile to install your app on a limited number of registered devices.

Cancel Continue

Document
For more information, see [App Distribution](#)

View Certificates Cancel Add

Add Another Done



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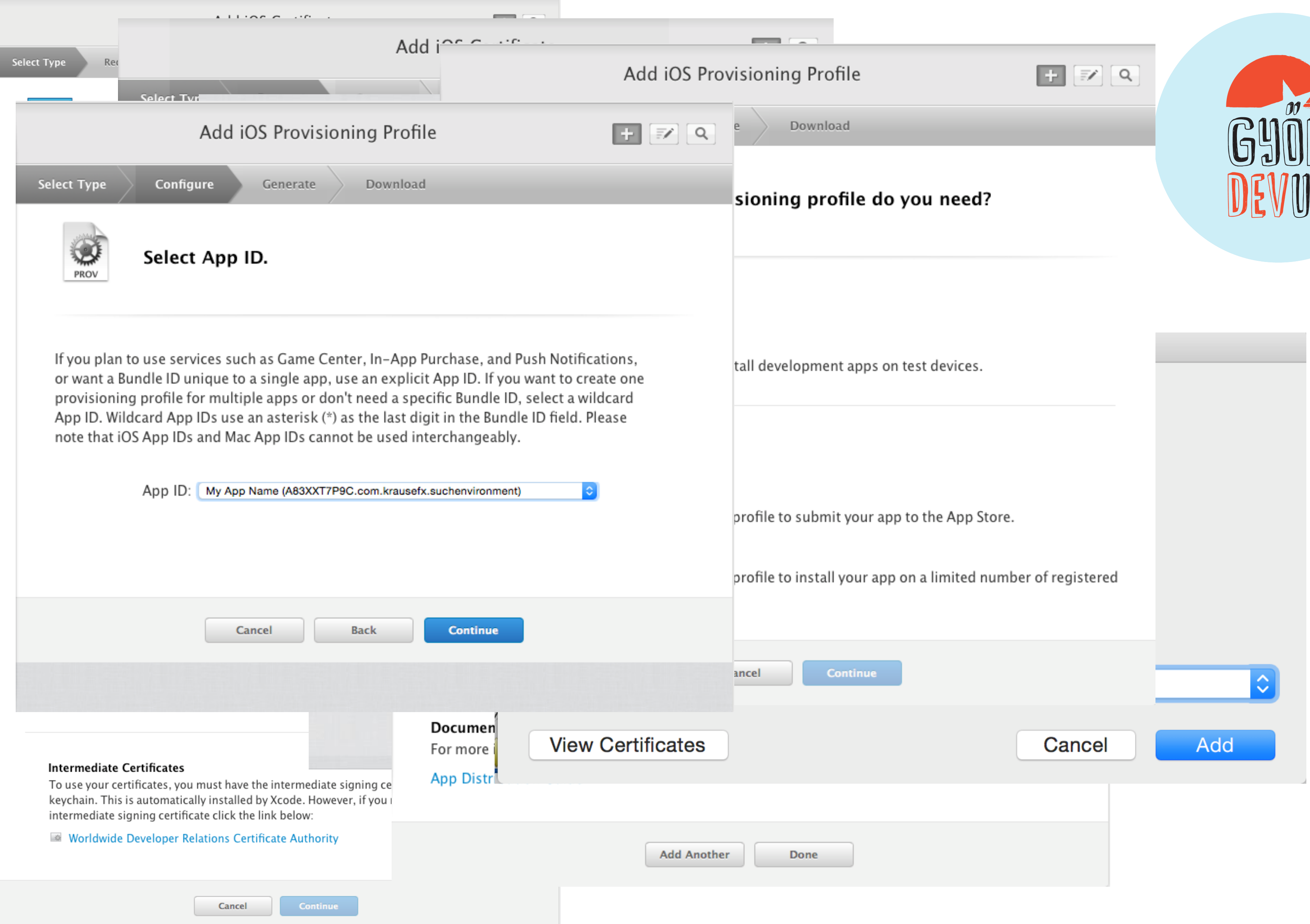
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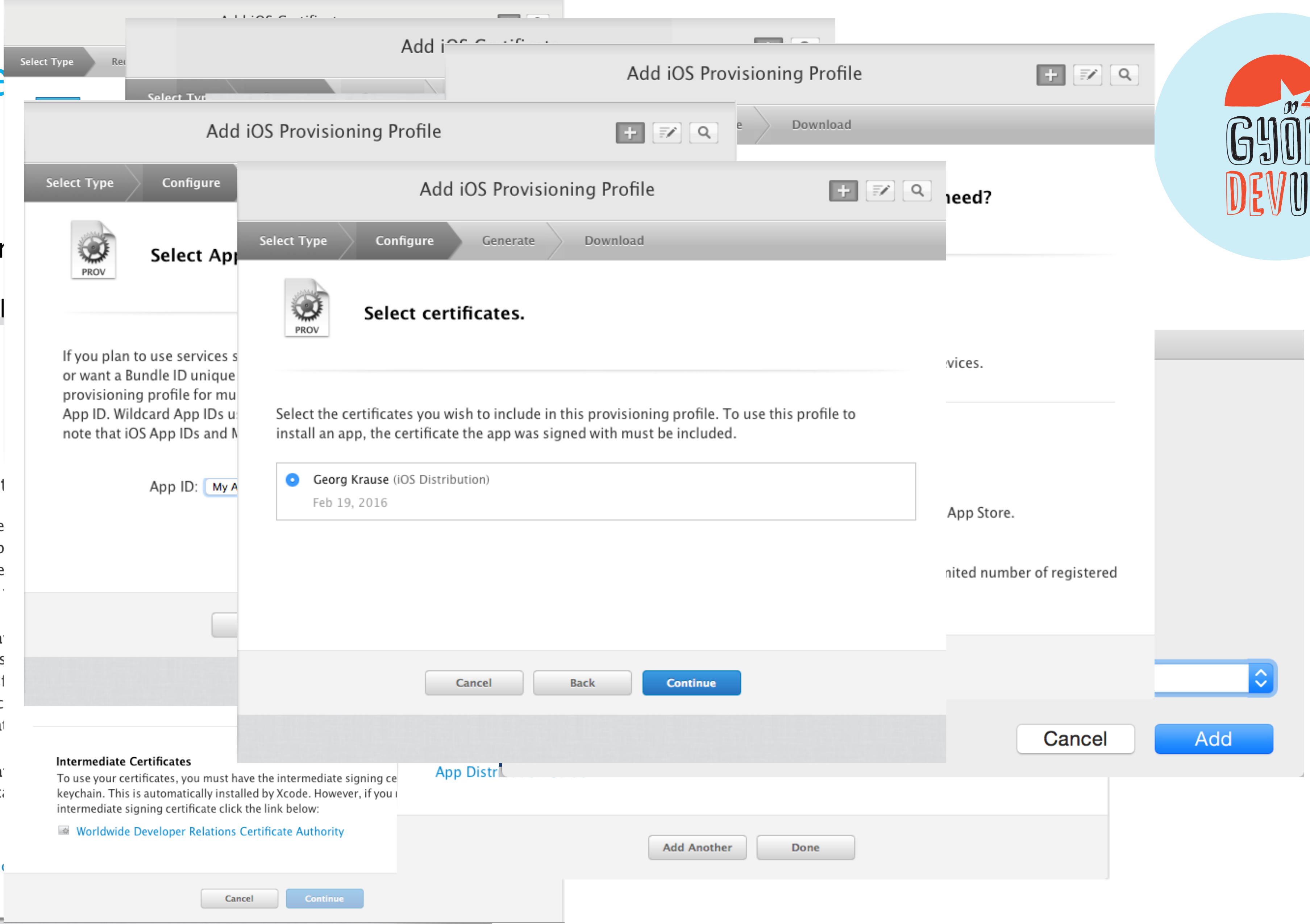
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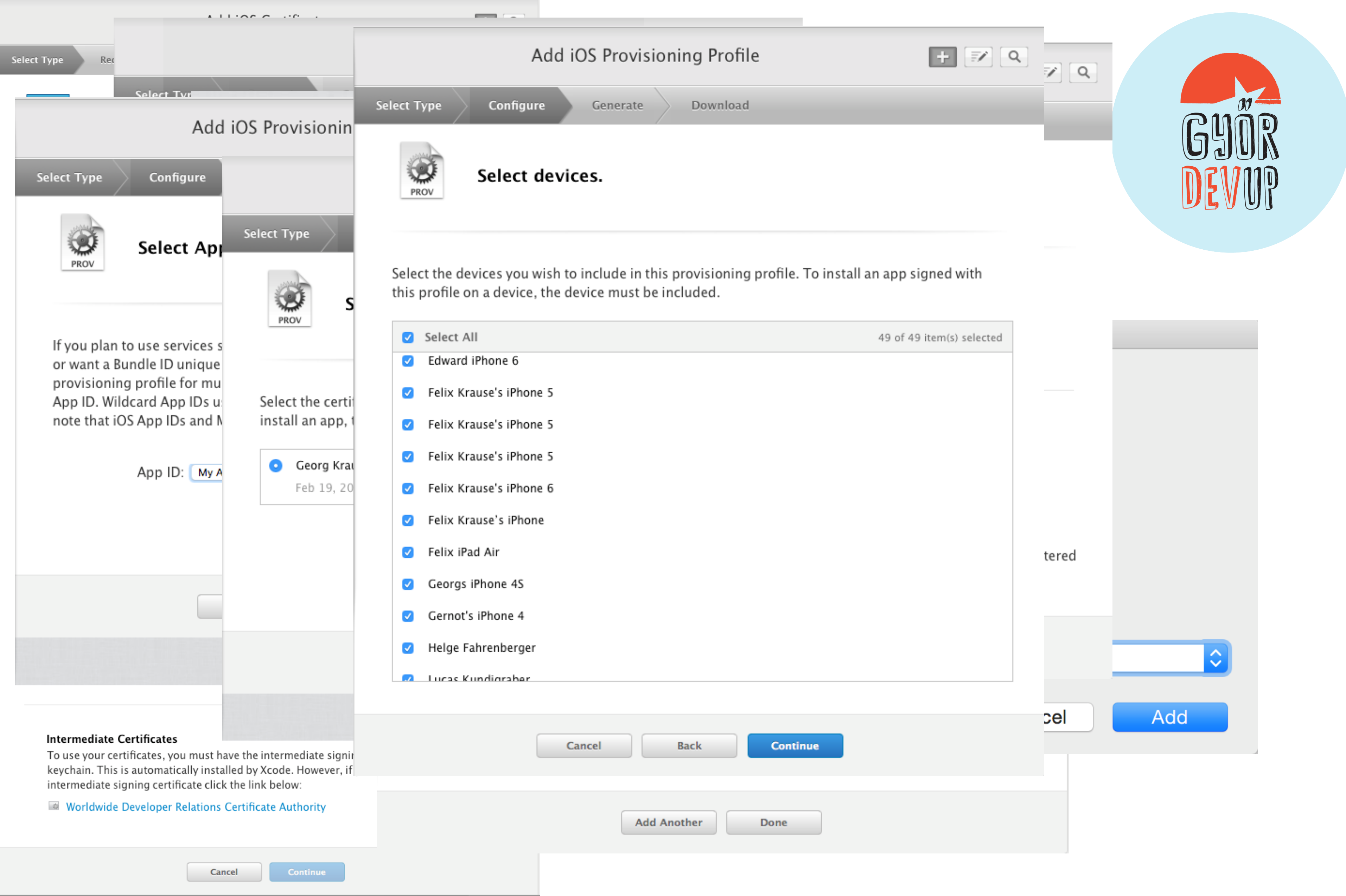
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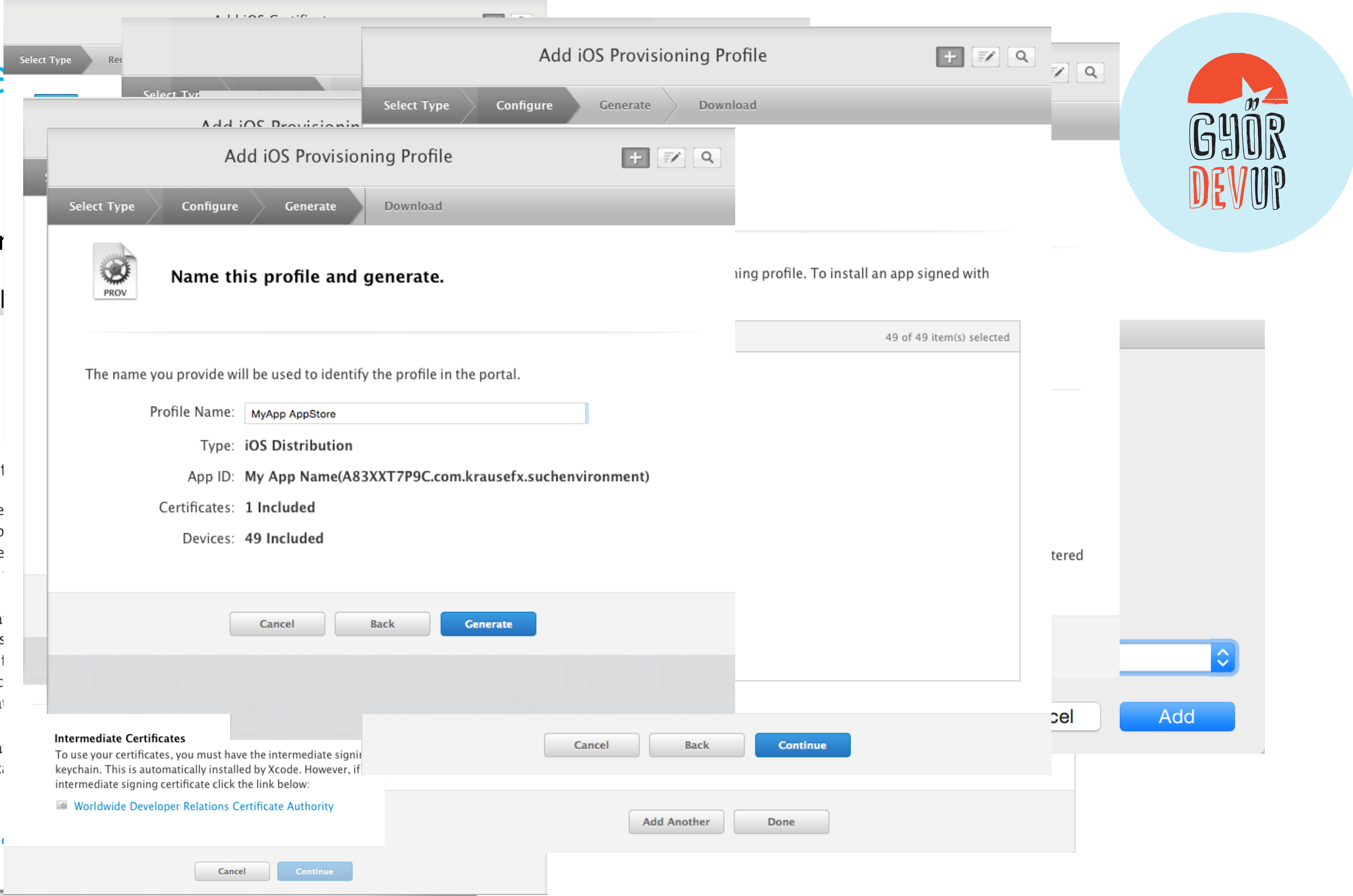
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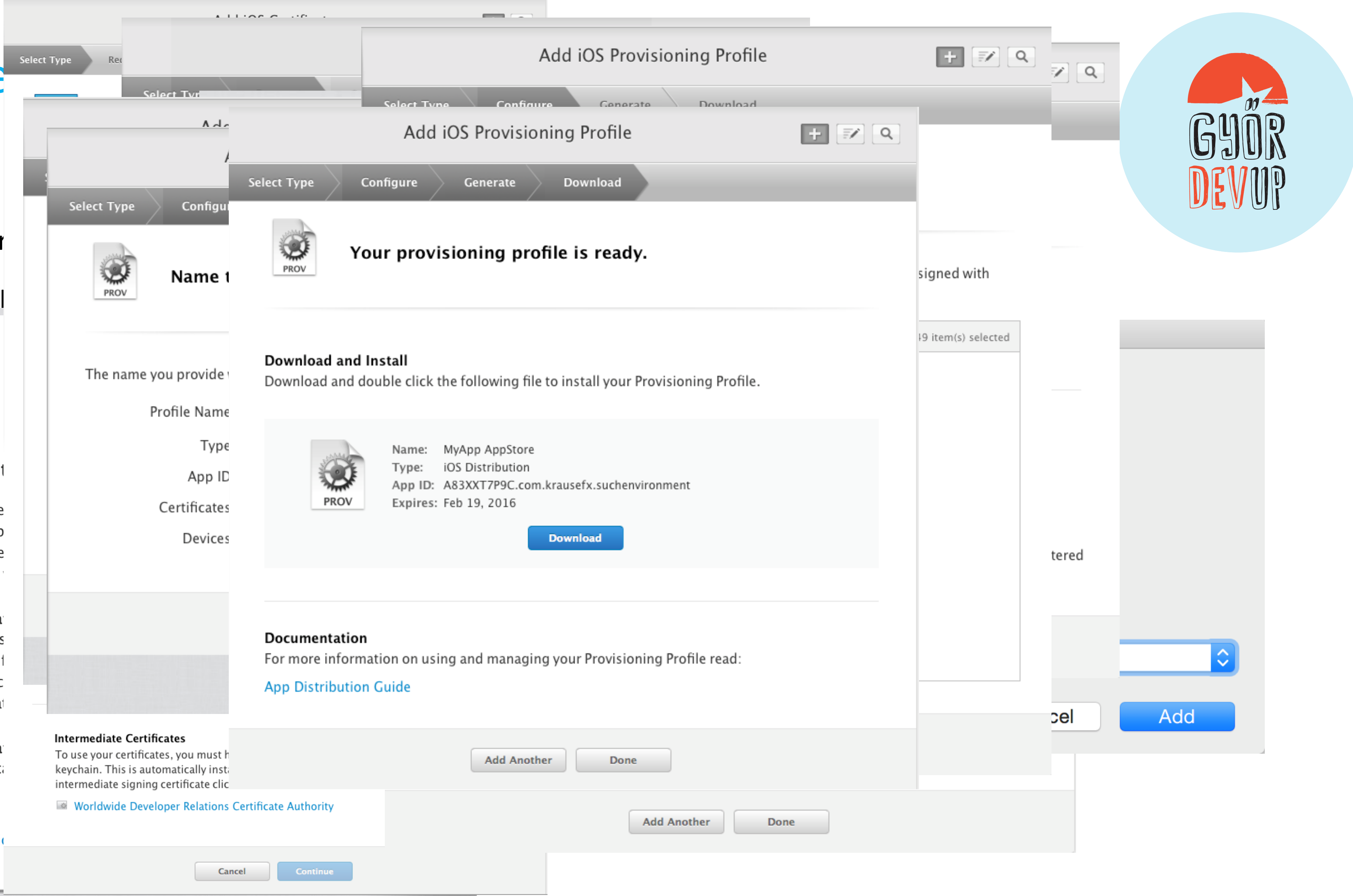
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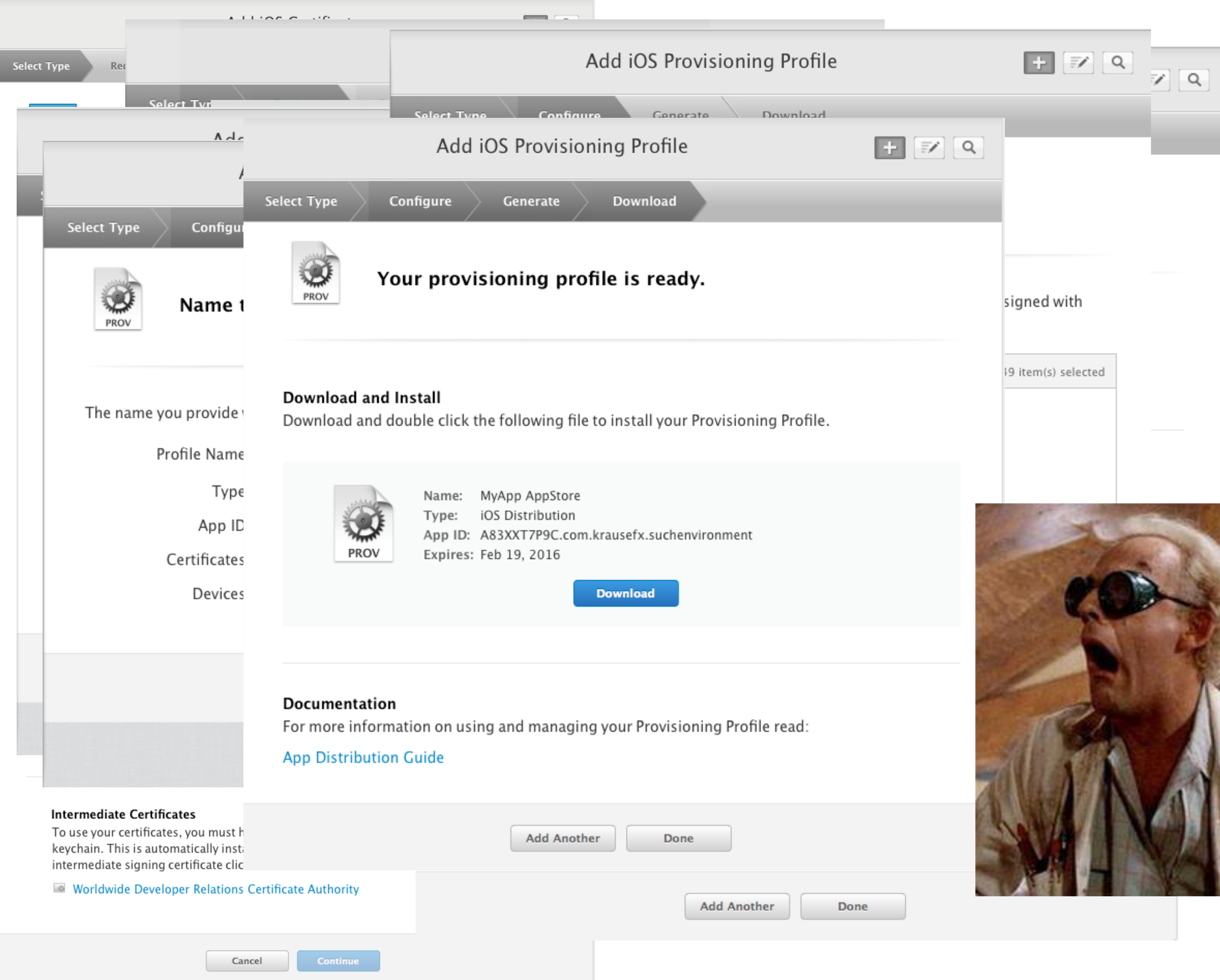
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 [App Distributi](#)



Automatizálás, mert az idő pénz!

Fastlane

- Ruby library a fejlesztést támogató folyamatok automatizálására
- Open source
- iOS és Android támogatás
- Bármilyen fejlesztői gépen egyszerűen beüzemelhető
- Deployment tool-ok egyetlen workflow-ként kezelhetőek
- Eltérő igényekhez eltérő lane-ek
- Saját build lépések
- Teljes Continuous Delivery folyamat
- Jenkins integration (CI/CD)



Fastlane

Getting started



```
$ sudo gem install fastlane --verbose  
$ xcode-select --install  
$ cd [your_project_folder]  
$ fastlane init
```

Setup assistant segíti a gyors beüzemelést..

Fastlane Tools

iOS



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



Automate taking localized screenshots of your iOS app on every device



Quickly put your screenshots into the right device frames



Automatically generate and renew your push notification profiles



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



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



Automatically create and maintain iOS code signing certificates



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



Building your iOS app has never been easier



Easily sync your certificates and profiles across your team using Git



pilot

The best way to manage your TestFlight testers and builds from your terminal



boarding

Instantly create a simple signup page for TestFlight beta testers

Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
2. Fejlesztői tanúsítványok létrehozása és kezelése
3. Provisioning profile kezelés
4. Push notification kezelés
5. Alkalmazás build, sign, package
6. Alkalmazás publikálása



Fastlane Tools

Egy egyszerű példa

1. **Alkalmazás létrehozása és kezelése**
2. Fejlesztői tanúsítványok létrehozása és kezelése
3. Provisioning profile kezelés
4. Push notification kezelés
5. Alkalmazás build, sign, package
6. Alkalmazás publikálása



- Apple Developer portálon
- iTunes Connect-ben
- Application Services (pl. HealthKit, HomeKit, iCloud)
- App groups (pl. Today Widget)



Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
- 2. Fejlesztői tanúsítványok létrehozása és kezelése**
3. Provisioning profile kezelés
4. Push notification kezelés
5. Alkalmazás build, sign, package
6. Alkalmazás publikálása



- Code signing certificates létrehozás és karbantartás
- Nincs revoke
- Új private key
- Új signing request
- Certificate generálás, letöltés, telepítés
- A generált fájlok Keychain-be mentése



Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
2. Fejlesztői tanúsítványok létrehozása és kezelése
- 3. Provisioning profile kezelés**
4. Push notification kezelés
5. Alkalmazás build, sign, package
6. Alkalmazás publikálása



- sigh can create, renew, download and repair provisioning profiles
- Test device hozzáadás
- App Store, Ad Hoc, Enterprise and Development profiles
- multiple Teams
- Provisioning Quicklook plugin
- Profil management



Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
- 2. Fejlesztői tanúsítványok létrehozása és kezelése**
- 3. Provisioning profile kezelés**
4. Push notification kezelés
5. Alkalmazás build, sign, package
6. Alkalmazás publikálása



- Git alapú certificate / profile szinkronizálás
- Git repó
- Match init
- Openssl beállítás
- Xcode beállítás
- Nuke



Fastlane Tools

Egy egyszerű példa

Setup XCode



▼ Code Signing

Setting

 fastlane-app

Code Signing Entitlements

► **Code Signing Identity**

iOS Developer ⇅

Code Signing Resource Rules Path

Other Code Signing Flags

► **Provisioning Profile**

Automatic - \$(sigh_tools.fastlane.app_development) ⇅

▼ Deployment

\$(sigh_tools.fastlane.app_development)

Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
2. Fejlesztői tanúsítványok létrehozása és kezelése
3. Provisioning profile kezelés
- 4. Push notification kezelés**
5. Alkalmazás build, sign, package
6. Alkalmazás publikálása



- Push notification certificate létrehozás és megújítás
- Signing request létrehozás
- Push certification létrehozás
- Certificate letöltés
- .pem file generálás
- Nincs létező certificate revoke
- Lejárat előtti megújítás



Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
2. Fejlesztői tanúsítványok létrehozása és kezelése
3. Provisioning profile kezelés
4. Push notification kezelés
- 5. Alkalmazás build, sign, package**
6. Alkalmazás publikálása



- Mindenre képes 😊
- Dsym
- Bitcode
- Configuration, scheme, export_method
- Xcode 7: plist-ben
- Gymfile
- Formázott build output



Fastlane Tools

Egy egyszerű példa

1. Alkalmazás létrehozása és kezelése
2. Fejlesztői tanúsítványok létrehozása és kezelése
3. Provisioning profile kezelés
4. Push notification kezelés
5. Alkalmazás build, sign, package
6. **Alkalmazás publikálása**



Fastlane Actions

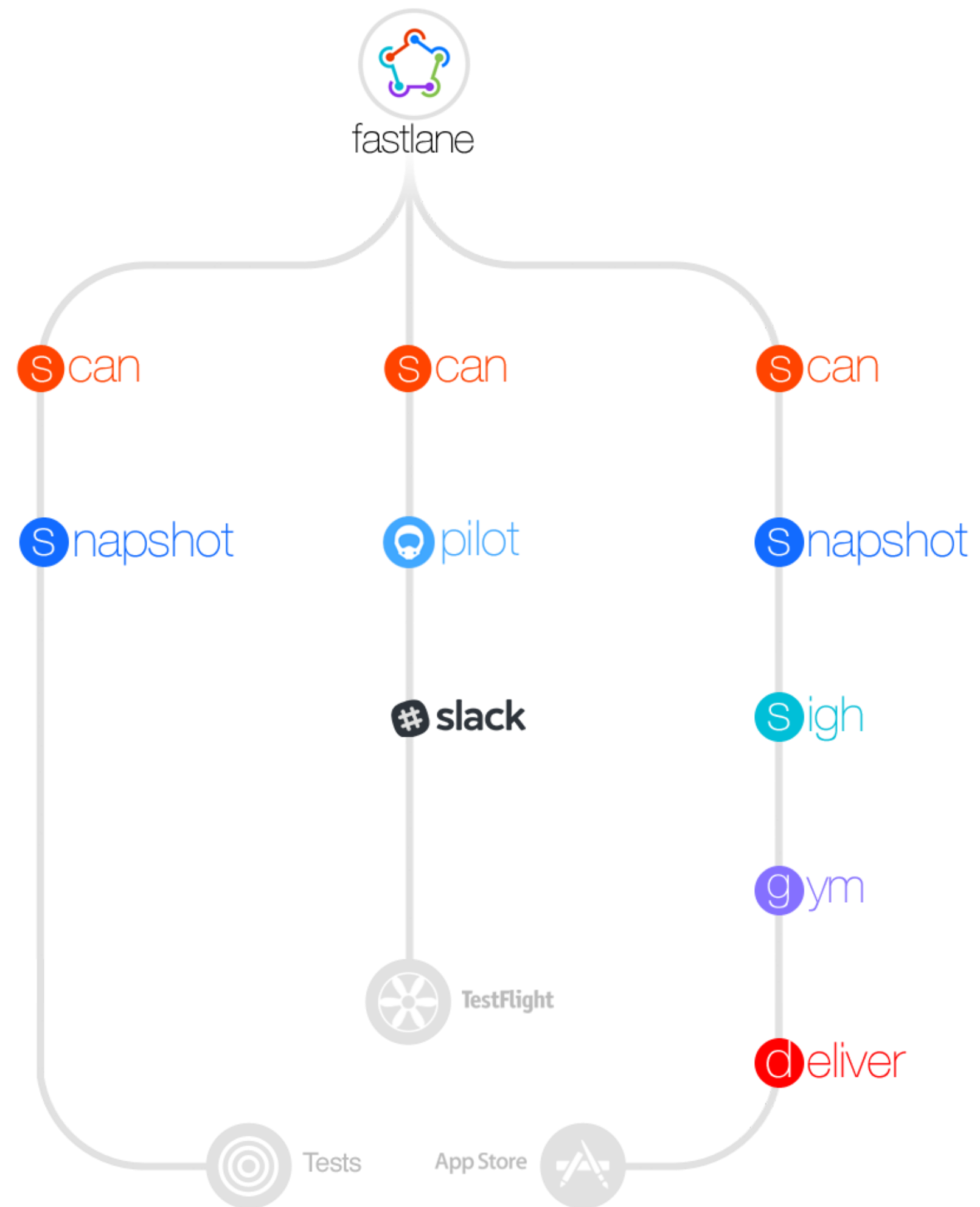


- Jelenleg már több, mint 150 beépített bővítmény
- Kategóriák
 - Building
 - Testing
 - Deploying
 - Modifying project
 - Developer Portal
 - Git kezelés
 - Notifications
 - Misc

Példa:

- Increment build / version number
- Custom shell script
- Hockeyapp
- Fabric (Crashlytics)
- CocoaPods
- reset_simulators
- dSYM letöltés iTunes Connect-ből
- dSYM feltöltés
- FixCode
- Stb.

It's demo time 😊



Zökkenő mentes iOS release!



- ✓ Code signing folyamat
- ✓ Provisioning profile problémák
- ✓ App Store feltöltés gondok
- ✓ Push notification certificates
- ✓ Hockey, Fabric, TestFlight, App Store, stb.
- ✓ Screenshotok legyártása
- ✓ Meta data management
- ✓ Git commit & tag
- ✓ Notifications
- ✓ Stb.



Összefoglalva..



923864

Developer Hours Saved

Within the last 8 months

... mert egy kép többet mond ezer szónál 😊



**Köszönöm a
figyelmet!**

