

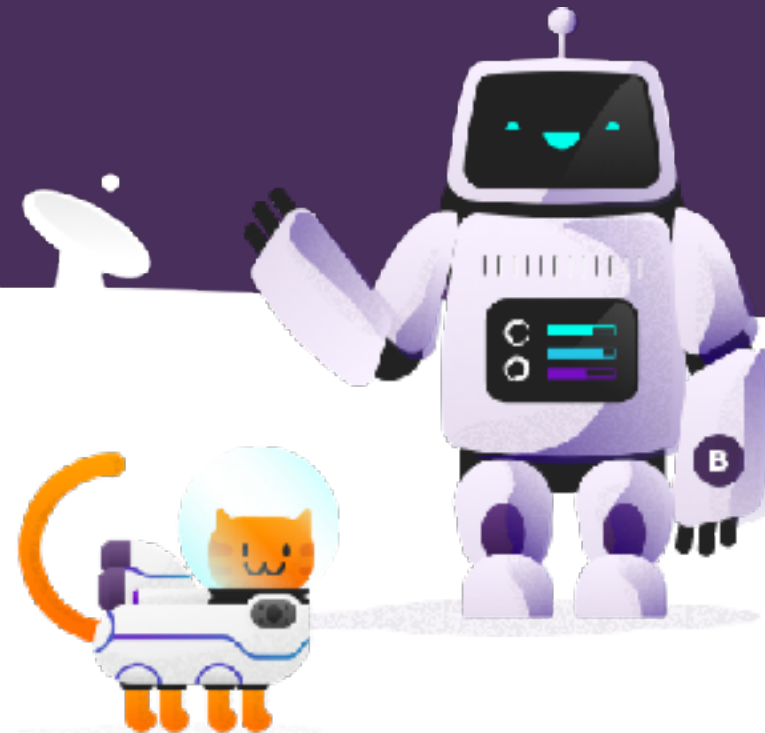
Code Signing Basics

AND HOW TO MAKE IT WORK ON YOUR CI

Birmacher Ákos

HWSW

2019. 04. 29





Ákos

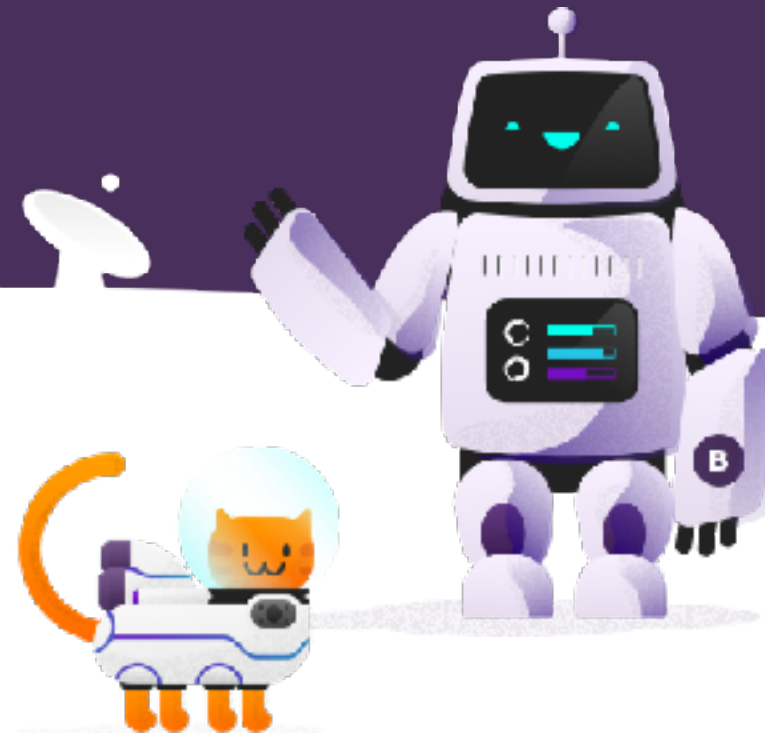
Code Signing Basics

AND HOW TO MAKE IT WORK ON YOUR CI

Birmacher Ákos

HWSW

2019. 04. 29

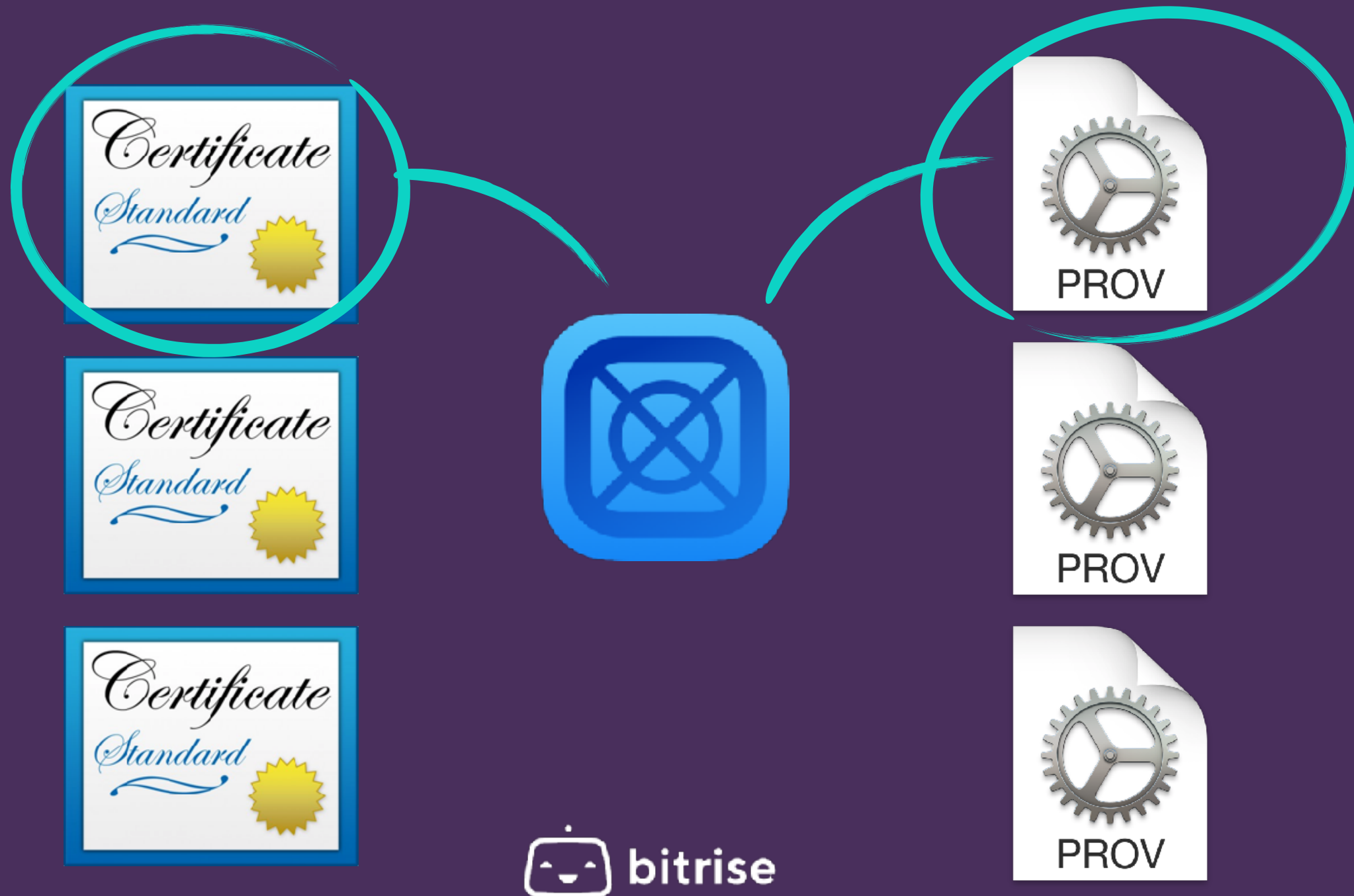


What do we need



- Development Certificate
- Distribution Certificate
- Require a private key
- Running on devices
- Entitlements
- Certificate list

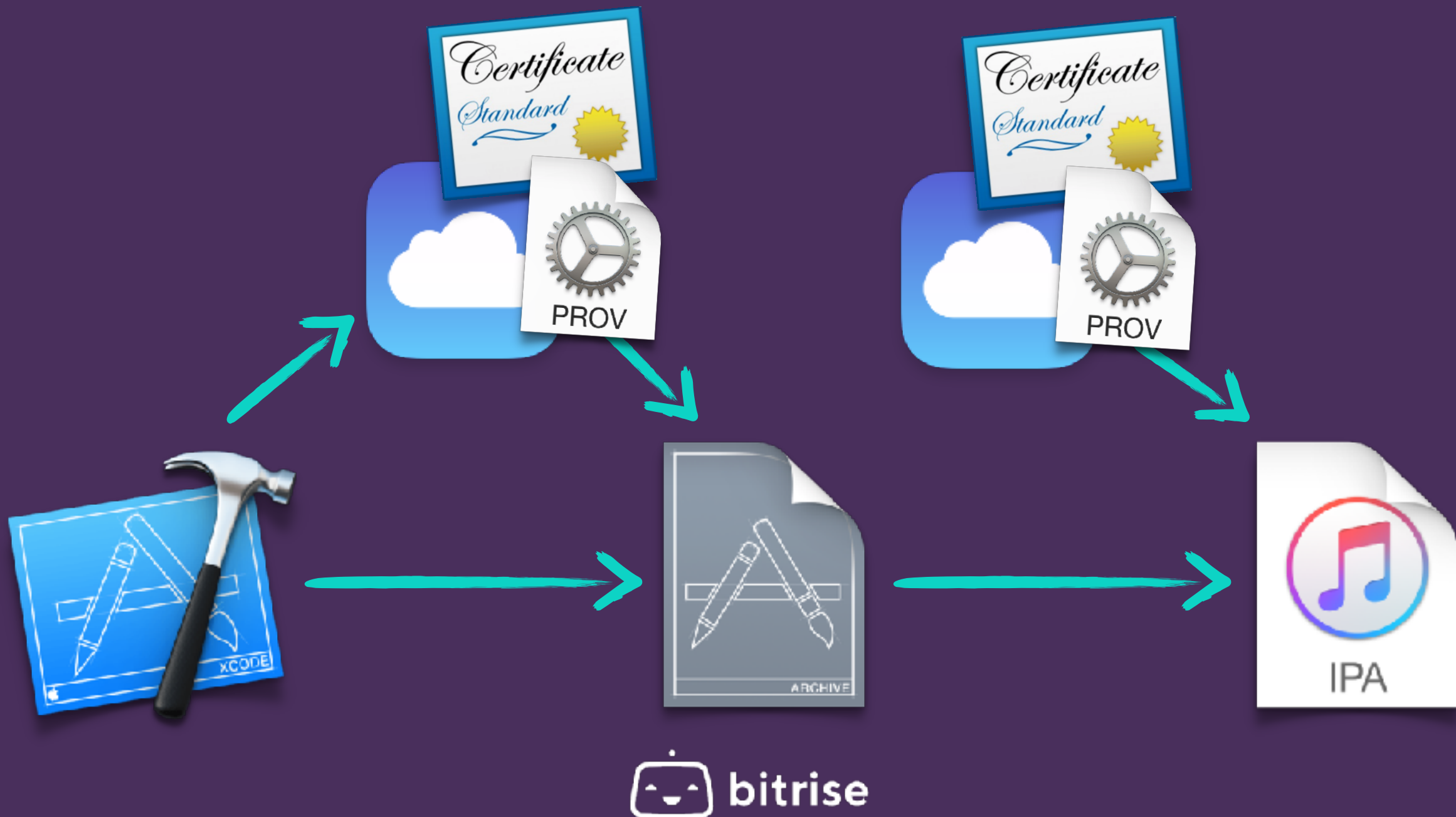
Signing Process



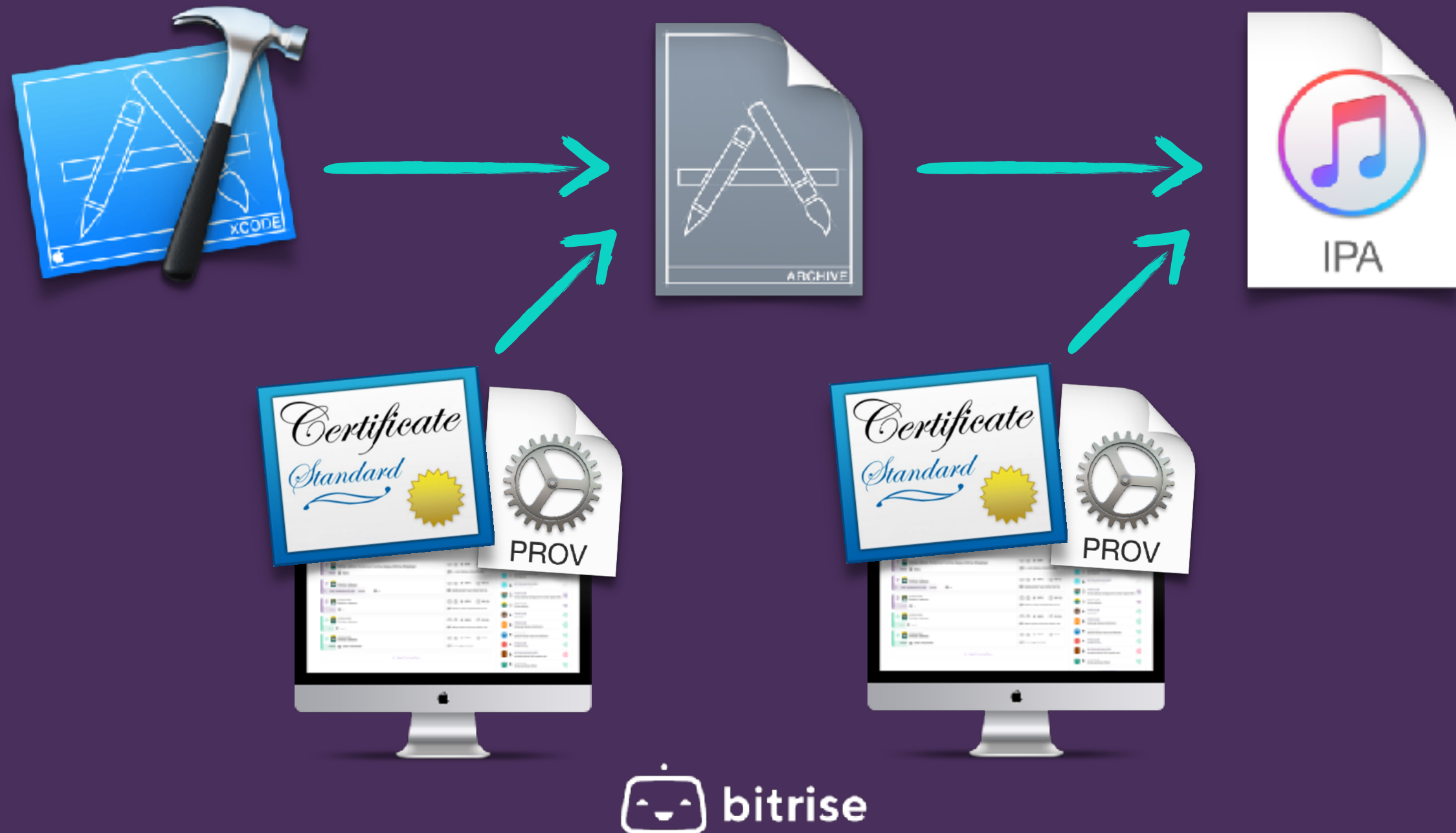
Signing Process



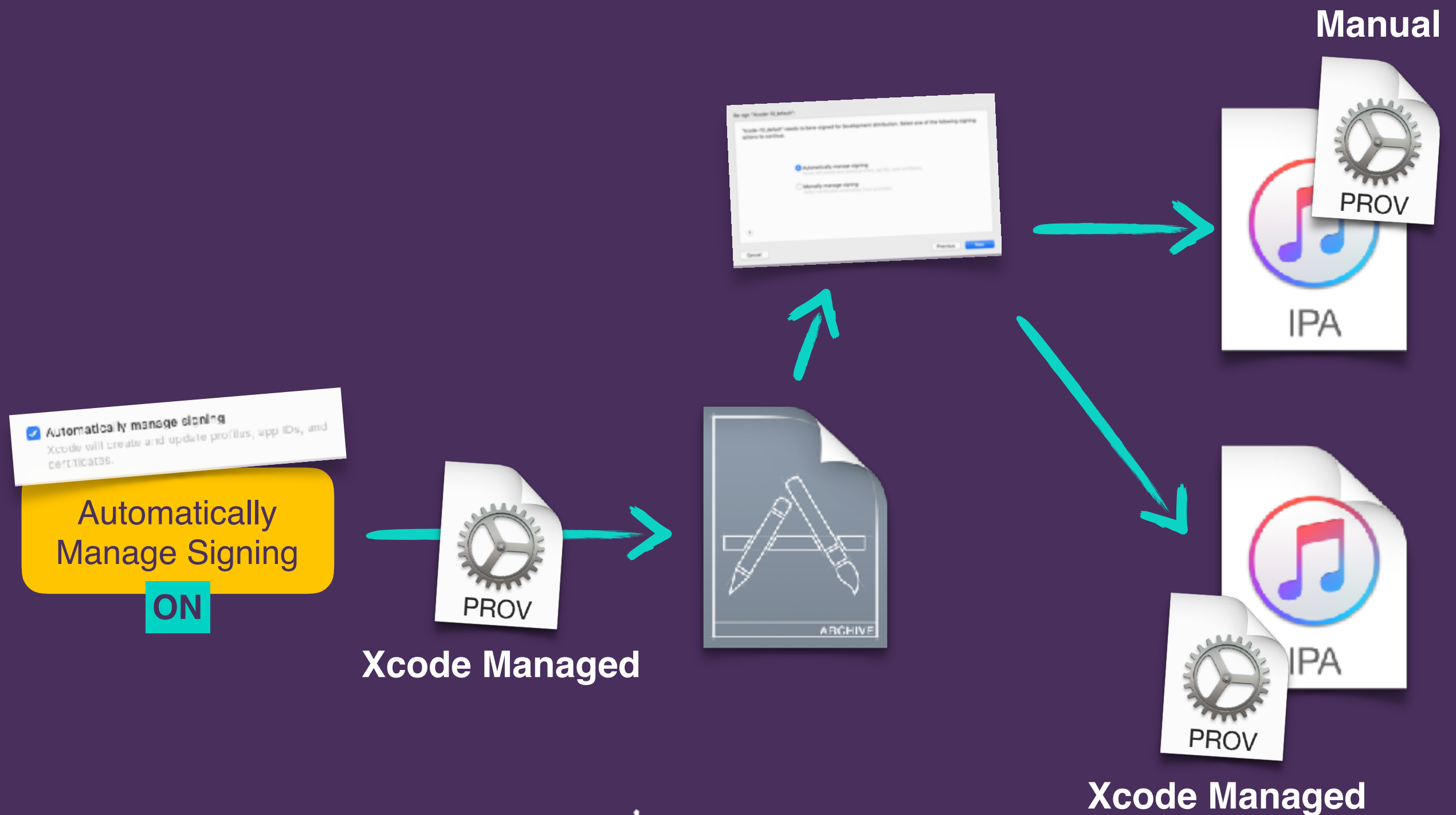
IPA export via Xcode Managed Code Signing



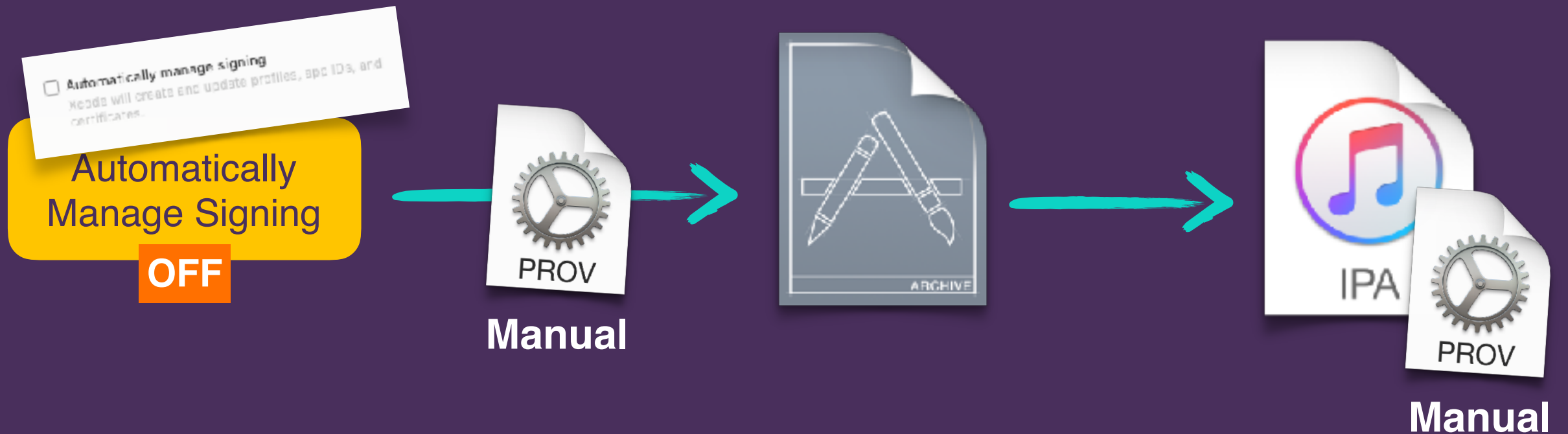
IPA export via Manual Code Signing



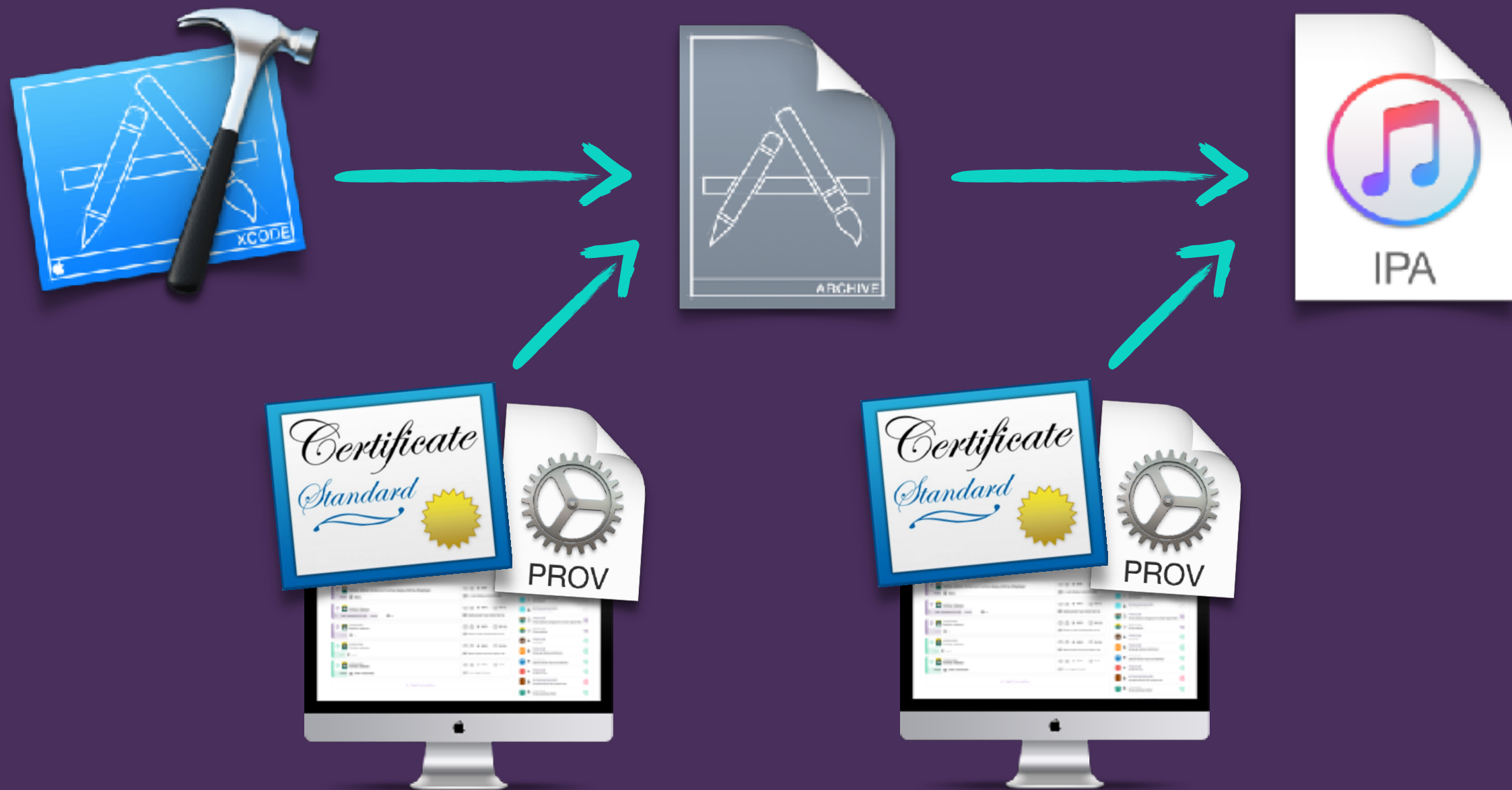
Code Signing Settings



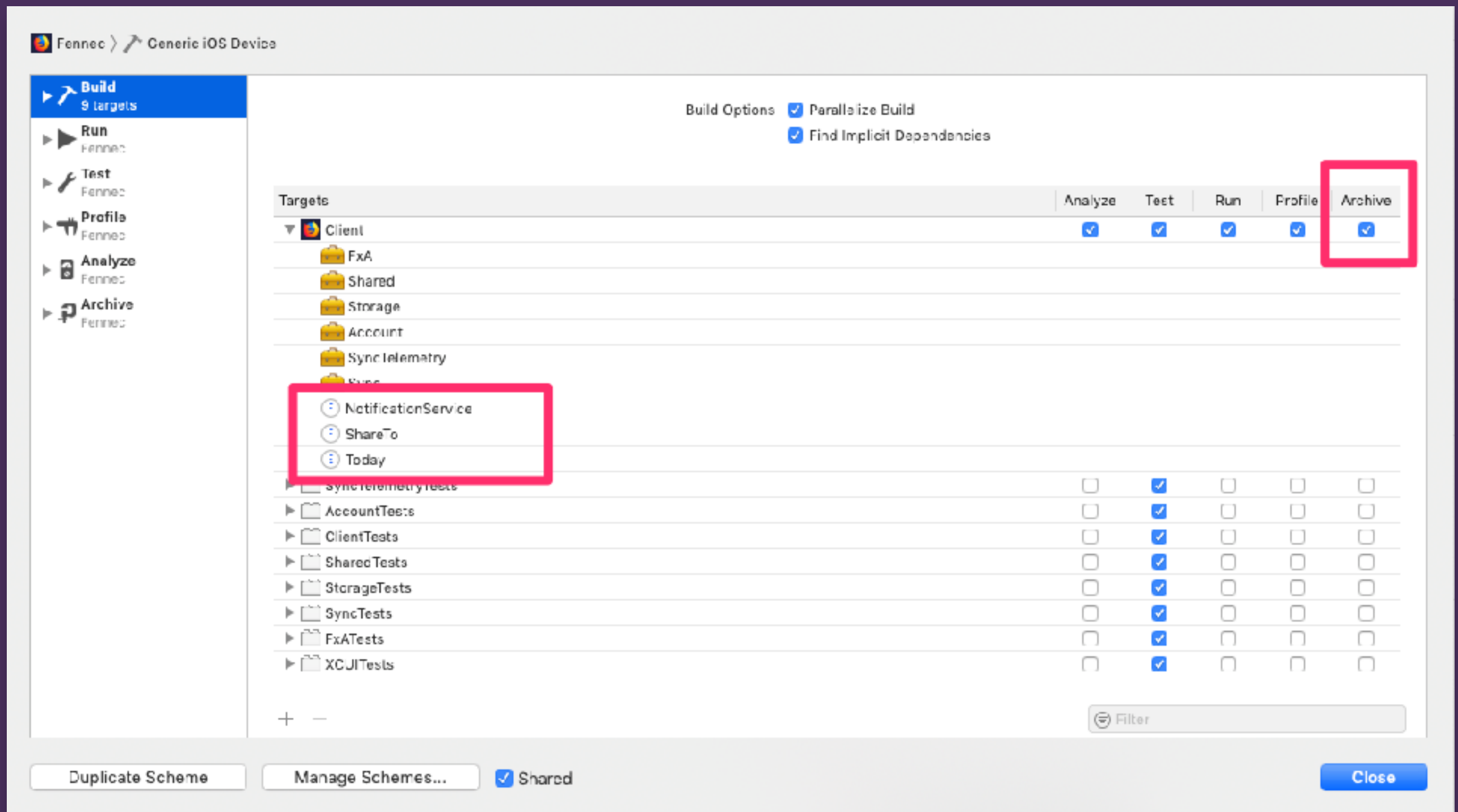
Code Signing Settings



IPA export on a CI environment



Get the right code signing files



Exp Provis

Build 1

☐ Automatically manage certificates
Xcode will create and manage certificates for you.

Provisioning Profile: Bitrise Fennec Development

Team: BITFALL FEJLESZTO KORLATOLT

Signing Certificate: iPhone Developer: Bitrise Bot (11 months)

Provisioning Profile: None

Team: None

Certificate: None

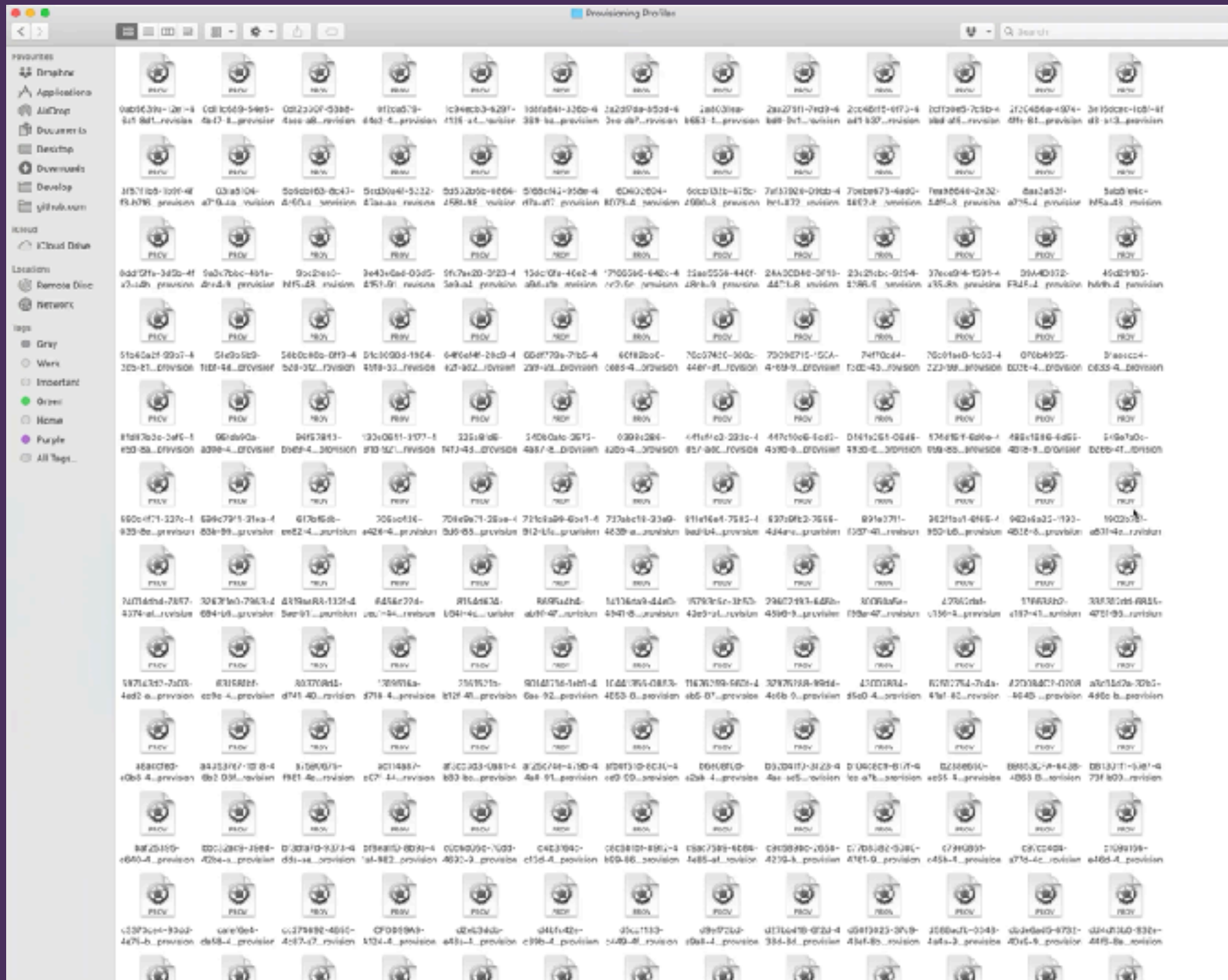
App Groups: 1 Included
Includes group io.bitrise.ios.Fennec.

Entitlements: 8 Included
Includes keychain-access-groups,

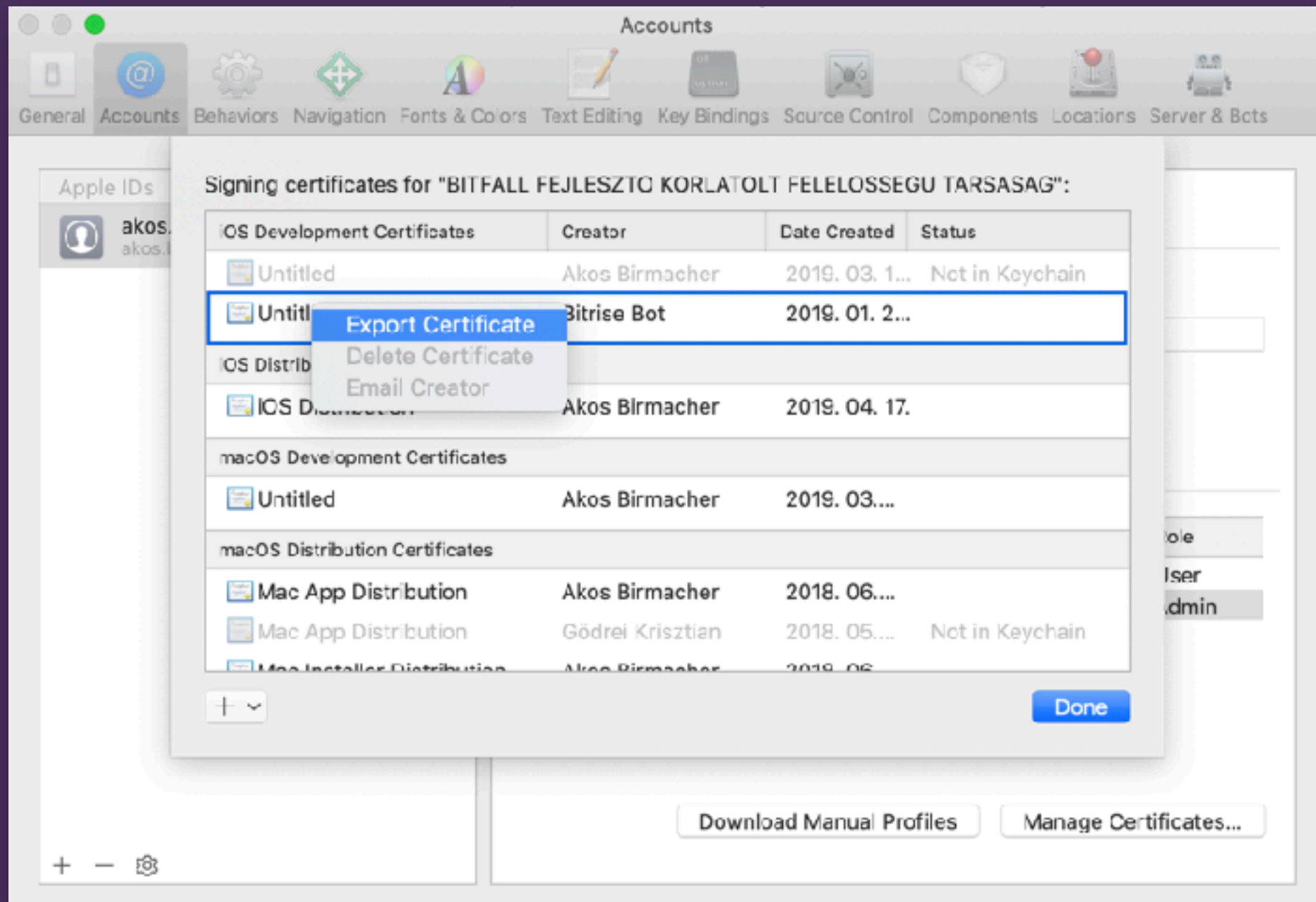
Provisioning Profiles

Name	Date Modified	Size	Kind
0ab5639a-12e1-46a1-8d1c-2715be5a7f34.mobileprovision	2019. March 18. 17:14	8 KB	Develo...P
0c81b3dc-5431-4f53-9cbc-7fa63ed2fa09.provisionprofile	2018. August 9. 8:43	18 KB	Provis
0d11c689-54e5-4b47-6d91-0a43d10ef3f1.mobileprovision	2018. August 9. 8:43	17 KB	De
0d981bbb-76c6-4b86-ac9d-897e5e66eb5e.provisionprofile	2018. August 9. 8:43	13 KB	P
0df2b307-53b6-4acc-a8ad-8e716b4ac31f.mobileprovision	2018. August 9. 8:43	10 KB	D
012de579-d4c2-4636-a03b-8f28c45f92d1.mobileprovision	2018. August 9. 8:43	7 KB	
1a3672e6-e8ba-468f-8864-450afe4d4688.mobileprovision	Today 15:18	8 KB	
1c94ecb3-6297-4125-a4b7-bb679a619f52.mobileprovision	2018. August 9. 8:43	9 KB	D
1d8fa84f-336b-4369-babf-2bc8c290d9e3.mobileprovision	2018. August 9. 8:43	11 KB	Dev
2a2df7da-85bd-40ec-ab70-7e9f0b70a87b.mobileprovision	2018. September 25. 10:44	24 KB	Devel

Exporting the Provisioning Profiles



Exporting the Certificates



Exporting the Certificates

Name	Kind	Expires	Keychain
3rd Party Mac Developer Application: BITFALL FEJLESZTO KORLATOLT FELELOSSEGU TARSASAG (72SA8V3WYL)	certificate	2019. Jun 28. 11:03:08	login
3rd Party Mac Developer Installer: BITFALL FEJLESZTO KORLATOLT FELELOSSEGU TARSASAG (72SA8V3WYL)	certificate	2019. Jun 28. 11:05:41	login
com.apple.keynote.peer-uid.F537C9A-DFA8-45E5-8AD9-8440C5C8612E	certificate	2019. Sep 14. 23:34:14	login
com.apple.keynote.peer-uid.F32E6674-4513-45ED-8703-C5BB961CE6A5	certificate	2019. Sep 14. 23:34:17	login
com.apple.keynote.peer-uid.EDC57D14-9311-416D-B846-57E208E74B32	certificate	2019. Sep 25. 12:29:00	login
Apple Development iOS Push Services: com.birmascher.kos.sampleProjectExpo	certificate	2019. Nov 26. 16:21:13	login
iPhone Developer: Bitrise Bot (VV2J4SV8V4)	certificate	2020. Jan 28. 11:08:49	login
Mac Developer: Akos Birmascher (XLGTK2P82J)	certificate	2020. Mar 19. 14:26:19	login
iPhone Distribution: Bitrise Bot (VV2J4SV8V4)	certificate	2020. Apr 16. 16:49:26	login
member: C07A97B2-8...	certificate	2020. Apr 17. 12:13:17	login
com.apple.icms.apple...	certificate	2020. Aug 7. 17:11:39	login
Apple iPhone Certificate Authority	certificate	2022. Apr 12. 19:43:28	login
Apple iPhone OS Provisioning Profile	certificate	2022. Apr 12. 19:43:28	login
Apple Worldwide Dev...	certificate	2023. Feb 7. 22:48:47	login
Apple Root Certificate Authority	certificate	2026. Feb 10. 1:18:14	login
Apple Application Integration Certification Authority	certificate	2026. Oct 21. 2:00:00	login
Developer ID Certification Authority	certificate	2027. Feb 1. 23:12:15	login

1. zsh

> codesign doc scan xcode

~/Develop/Bitrise/github/BirmacherAkos/bitrise-samples/apps/ios/xcode-10/default/Xcode-10_default performance

I

Köszönöm a figyelmet!

akos.birmacher@bitrise.io

WE'RE HIRING!

