Code Signing Basics AND HOW TO MAKE IT WORK ON YOUR CI

Birmacher Ákos

HWSW 2019. 04. 29







Code Signing Basics AND HOW TO MAKE IT WORK ON YOUR CI

Birmacher Ákos

HWSW 2019. 04. 29





What do we need



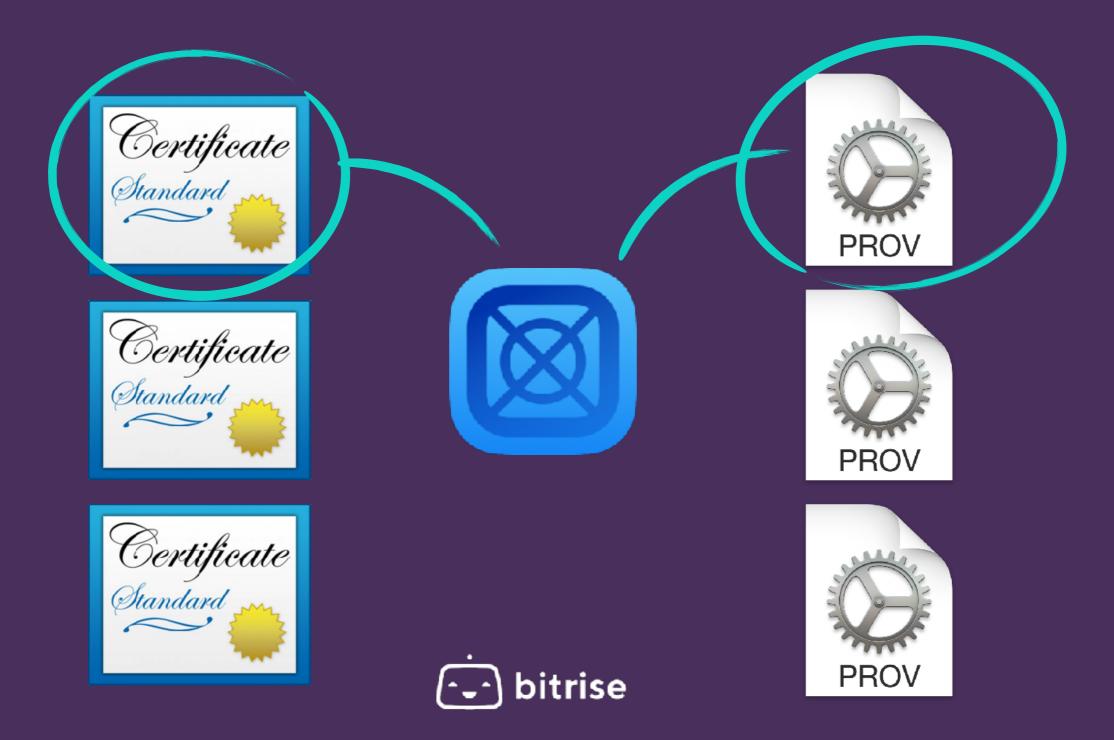
- Development Certificate
- Distribution Certificate
- Require a private key



- Running on devices
- Entitlements
- Certificate list



Signing Process

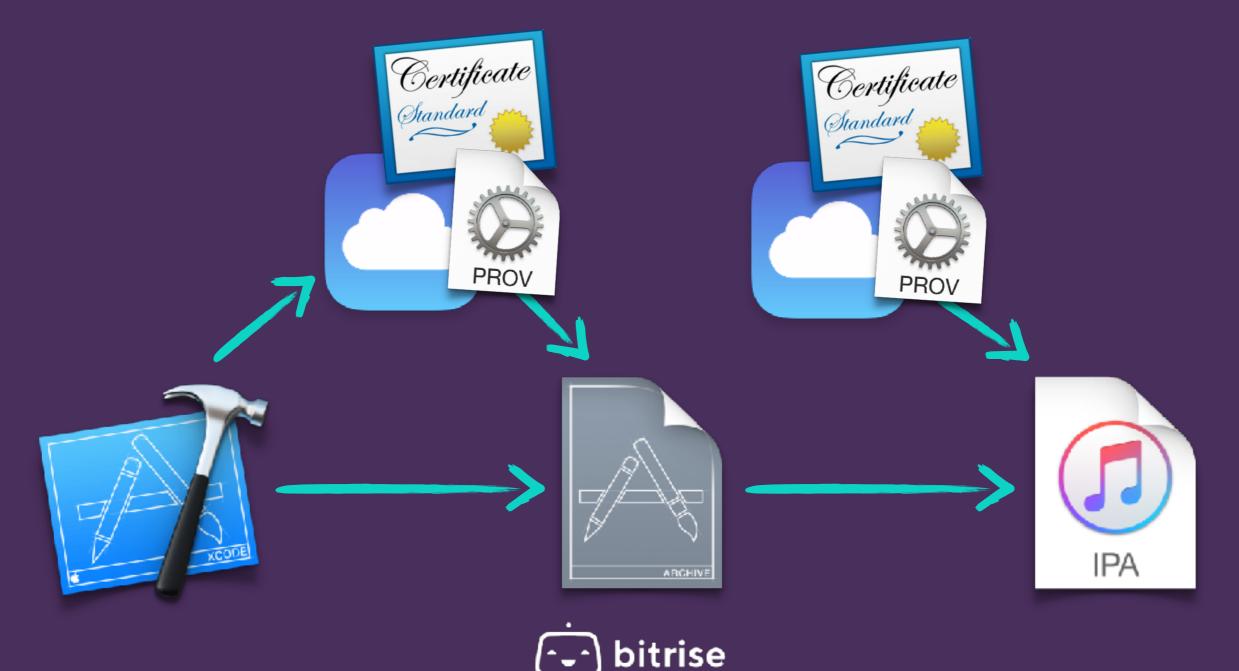


Signing Process





IPA export via Xcode Managed Code Signing

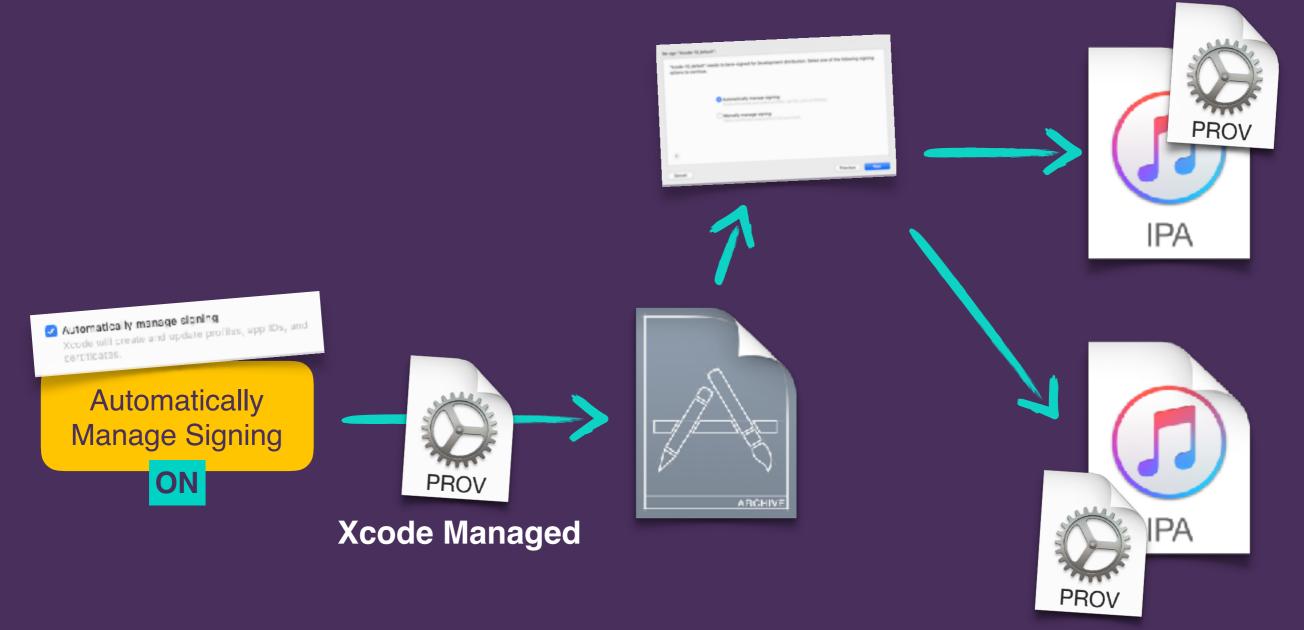


IPA export via Manual Code Signing



Code Signing Settings

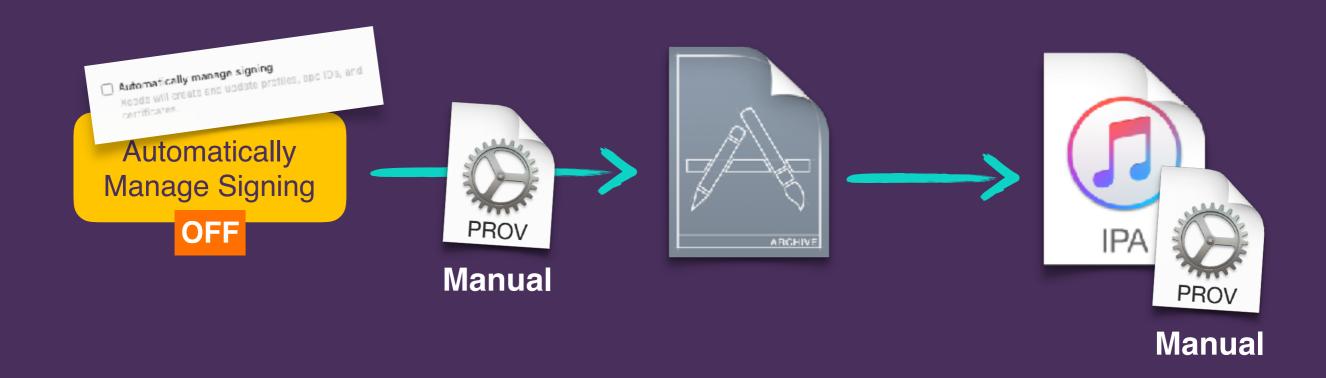
Manual



Xcode Managed

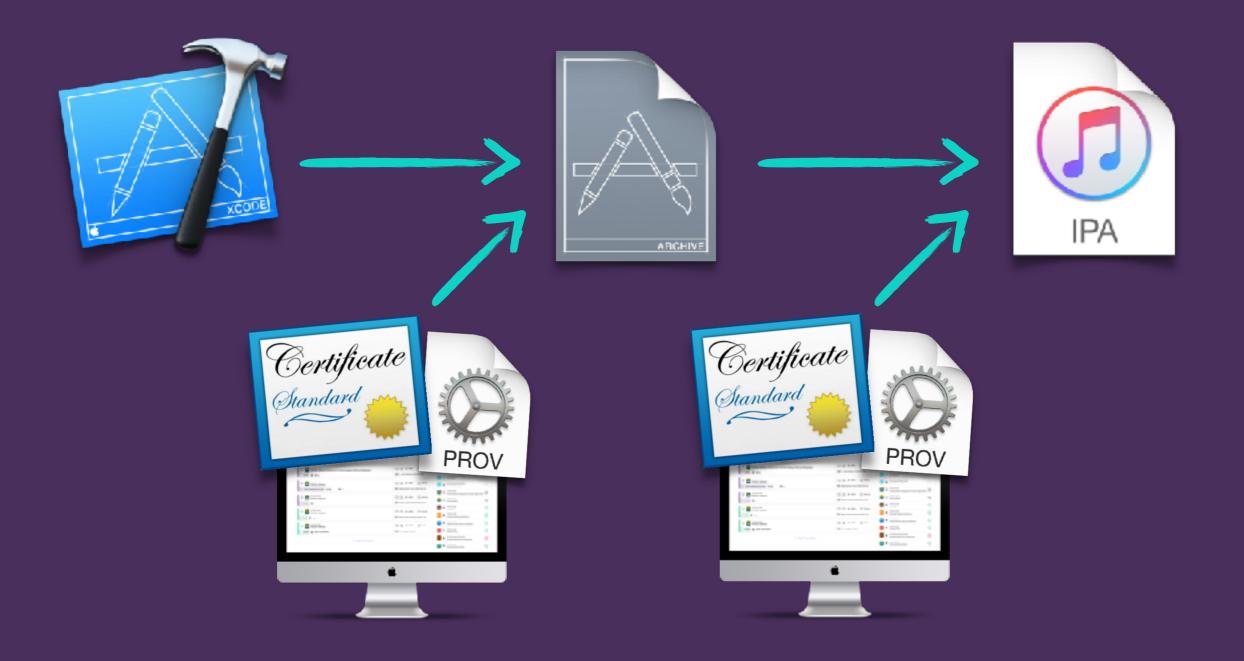
. bitrise ح

Code Signing Settings





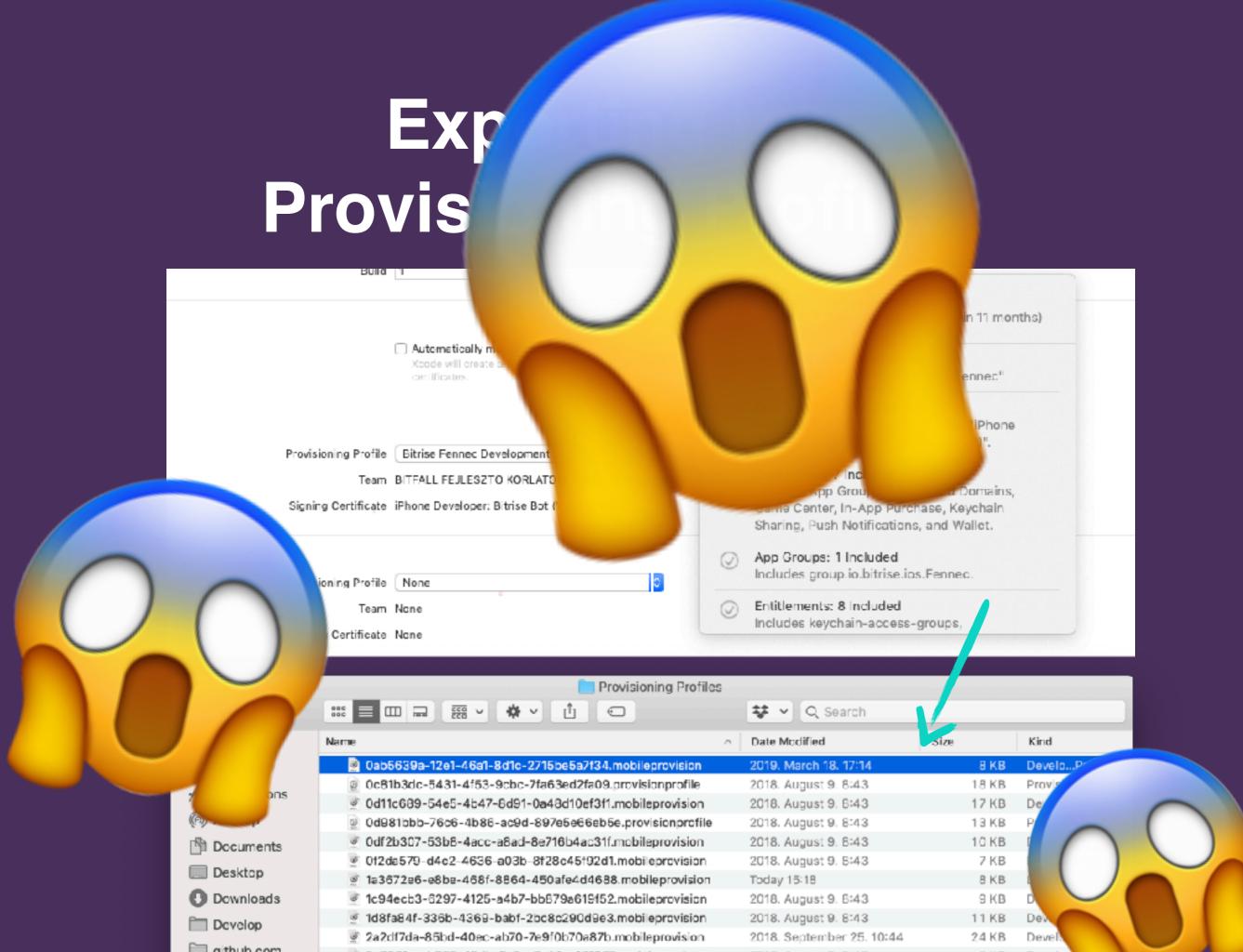
IPA export on a CI environment





Get the right code signing files

uild targets un mnec		Build Options 🥑 Parallelize Build 🖌 Find Implicit Dependencies					
anne: Targets			Analyze	Test	Run	Profile	Archive
rafile Talgets			✓ Analyze				
	FxA			×	× .		
	Shared						
	Storage						
	Account						
	Sync lelemetry						
_	Size						
	NotificationService						
) ShareTo						
) Today						
	sync reremetry rests			1			
	AccountTests			Z			
► []] (ClientTests			Z			
► [``` \$	CharecTests			2			
► 🚞 s	StorageTests			~			
► 🚞 s	GyncTests			~			
▶ 🛄 F	xATests			1			
► []] >	CUITests			1	\Box		\Box
+			(\$) FI	ter			



Exporting the Provisioning Profiles

						E Pro	visioning Profiles						
< 2		11 - 6 -	60								¥ -	Q Jeards	
Productes ## Dimatrix >A Applications @ AidCorp			00123307-5386-	eticas:9-		13010041-3262-4							Jeres
Decuments Desimp Devenuels	Sut Balt_revision	AnD L prevision	Sec. al	ated t_provision	attis at_subir	315 bit providen	She da7mvisan	ess L provision	ball brt_wision	all \$37.musion	and all revealer	atte 81. provision	d3-s12_provision
E gilfnörsom	315/1108-1017-48 13-678 prevision								7#157928-0900-4 bc1-872 sevision			das3a531- a775-4 provision	Seb5 leic- M5a-43 revision
Chud Drive		100 Max			() nov	۲			3	3	(C) Prov	() Pagy	3 Mar
() Remote Disc		Selic7bbc-4b1s- dred-8 provision							24A0CD46-0F15- 44C3-8 sovision				45dE9105- hdrih di panvisian
Bitetwork	(a) nov	() nov			() nov	٢			(B) POY	3	(B) Prov	(B) Play	(B)
Werk Important	51545a21-9957-4 365-81010V500					65df*79s-7155-4 209-21_piovision			75098715-15CA- 4-69-9Dfoytsen	74/70c44- TodE-43rovision	76c01ax0-1c03-4 223-9##rowsion		5'eorcc4- c633-4_peovision
Orzec Orzec Home	() Picy	() Pior			() nor	٢		0	(B) POV		(a) Prov	(B) PON	(B) NOT
Purple All Tags_	#1087636-345-1 #50-88_019VS01		Diets-430mision	133+0611-3107-1 910-521_nvisos		54060ate-3675- 4867-8Dr0vision			447c10c6-5od2- 4590-0Df0vtsief				
		3	3	3	۲	Ť	3	۲	3	3			
		699c791-31+a-4 638-99_provision							\$37:0ft2-7555- 434are_provision		962/15s1-6465-7 950-66provision		1902is78- a631-4e_rzvialan
					9	Ś		٢	3				
			4319scR3-1331-4 Sec-91puriblum		915.64636- 6041-4c uriskr				29672193-645h- 4590-9-provision		2.9%45rbst- u156-A_prevision	11663362- 4187-41_autisium	337.30245-4935- 4751-95_ruvisiun
	0	9	3		9	Ś	6	0	9	3	9		(B)
	\$9714342-7x08- 4ed2-eprevision	este 4previsien	80.1709d5- d141-40_revision	1329576a- 3718-4prevision	2561621a- 1612f-41_prevision				32976759-9956- 466b-0provision				a%r15r7a-70b5- 466c bprovision
	0	9	3		9	T		0	9		0		(B)
		84353767-10 8-4 662.054_revision				8/250/48-4/90-4 4a8-91_provision			05:0411)-3123-4 4ar ad5_revision				0813011-5381-4 73f 800_revision
	۲		۲	۲	۲	٢	۲	٢	3	۲	٢	۲	Ś
	847253955- c640-4_prevision		0/30/а/0-93/3-4 dd1-нь_provision						C9058990-2658- 4219-b. provision			69/00404- 1778-45_rovision	=109s198- e-16d-4_provision
						۲			3			() Piav	3 27
	4271-b. prevision	care/det- dat8-4_provision	4:87-87_mism	CPODISAS- 1124-4_provision	athi-1_provision	cHb-4 provision	45ca1133- 5449-44_rovision	rbal-4_provide	dificare-0723-4 384-84_provision				

Exporting the Certificates

		Accounts						
	🔅 💠 📣		💌 💿 🚨	1.0				
neral Accounts 8	Behaviors Navigation Fonts & Colors	Text Editing Key Bindin	gs Source Control Components Location	ns Server & Bots				
Apple IDs	Signing certificates for "BITFALL F	EJLESZTO KORLATO	DLT FELELOSSEGU TARSASAG":	-				
akos.	iOS Development Certificates	Creator	Date Created Status	1				
anus.	🔤 Untitled	Akos Birmacher	2019. 03. 1 Not in Keychain					
	Untitl Export Certificate	Bitrise Bot	2019. 01. 2					
	OS Distrib Delete Certificate			-				
	Email Creator	Akos Birmacher	2019. 04. 17.					
	macOS Development Certificates							
	🔄 Untitled	Akos Birmacher	2019. 03					
	macOS Distribution Certificates		ole					
	🔄 Mac App Distribution	Akos Birmacher	2018. 06	Iser				
	🔄 Mac App Distribution	Gödrei Krisztian	2018. 05 Not in Keychain	dmin				
	🖂 Maa Installer Distributiaa	Also Dirmaahar	2019 06					
	+ •		Done					
		Dowr	nload Manual Profiles Manage C	Certificates				
+ - 🕸								



Exporting the Certificates

	Kind	Expires ^	Keychain
SZTO KORLATOLT FELELOSSEGU TARSASAG (72SA8V3WYL)	certificate	2019. Jun 28. 11:03:08	login
O KORLATOLT FELELDSSEGU TARSASAG (72SABV3WYL)	certificate	2019. Jun 28. 11:05:41	login
-8AD9-8440C5C8612E	certificate	2019. Sep 14. 23:34:14	login
870B-C5BB961CE6A5	cartificate	2019. Sep 14. 23:34:17	login
B846-57E208E74E32	certificate	2019. Sep 25. 12:29:00	login
rakos.sampleProjectExpo	certificate	2019. Nov 26. 16:21:13	login
	certificate	2020, Jan 28, 11:08:49	login
	certificate	2020. Mar 19, 14:26:19	login
FELELOSSEGU TARSASAG (72SA8V3WYL)	certificate	2020. Apr 16. 15:49:25	login
C61388C5CD-E64E-49E0-881B-83D7FF7C2EF7	cartificate	2020. Apr 17. 12:13:17	login
62783274494c7a61417878513d3d	cartificate	2020. Aug 7. 17:11:39	login
	cartificate	2022. Apr 12. 19:43:28	login
	certificate	2022. Apr 12. 19:43:28	login
thority	certificate	2023. Feb 7. 22:48:47	login
	certificate	2025. Feb 10. 1:18:14	login
	certificate	2026. Oct 21. 2:00:00	login
	certificate	2027. Feb 1, 23:12:15	login
	NORLATOLT FELELOSSEGU TARSASAG (725A8V3WYL) BAD9-8440C5C8612E 70B-C5BB961CE6A5 846-57E208E74B32 akos.sampleProjectExpo FELELOSSEGU TARSASAG (72SA8V3WYL) 6 1388C5CD-E64E-49E0-8818-83D7FF7C2EF7 2783274494c7a61417878513d3d nority	CTO KORLATOLT FELELOSSEGU TARSASAG (72SA8V3WYL) certificate 0 certificate certificate 6 1388C5CD-E64E- 49E0- 8818-83D7FF7C2BF7 certificate 0 certificate certificate	ZTO KORLATOLT FELELOSSEGU TARSASAG (72SA8V3WYL) certificate 2019. Jun 28. 11:03:08 0 KORLATOLT FELELOSSEGU TARSASAG (72SA8V3WYL) certificate 2019. Jun 28. 11:05:41 3AD9-8440C5C8612E certificate 2019. Sep 14. 23:34:14 708-C5BB961CE6A5 certificate 2019. Sep 14. 23:34:17 846-57E208F74B32 certificate 2019. Sep 14. 23:34:17 846-57E208F74B32 certificate 2019. Nov 25. 15:21:30 ekos.sampleProjectExpc certificate 2020. Jan 28. 11:08:49 certificate 2020. Mar 19. 14:26:19 2020. Mar 19. 14:26:19 FELELOSSEGU TARSASAG (72SA8V3WYL) certificate 2020. Apr 16. 15:49:25 6 1388C5CD-E64E-49E0-8818-83D7FF7C2BF7 certificate 2020. Apr 17. 12:13:17 2783274494C7a61417878513d3d certificate 2022. Apr 17. 12:13:17 certificate 2022. Apr 12. 19:43:28 certificate 2022. Apr 12. 19:43:28 rowity certificate 2023. Feb 7. 22:48:47 certificate 2025. Feb 10. 1:18:14 certificate 2026. Oct 21. 2:00:00 2026. Oct 21. 2:00:00 2026. Oct 21. 2:00:00



Ű.	iTerm2	Shell	Edit	View	Session	Scripts	Profiles	Toolbelt	Window	Help	🖸 😻 🖶 🛈 68 🕴 📿 43% 🔂 🖪 - Mon 14:01 - Akos Birmacher 🔍 🧔 😑
	•										1. zsh
) coc	lesigndoc	scan :	kcode						~/Deve	elop/Bit	rise/github/BirmacherAkos/bitrise-samples/apps/ios/xcode-10/default/Xcode-10_default_performance

E

Köszönöm a figyelmet!

akos.birmacher@bitrise.io

