

Transfer of the certificate between OS Windows (*. Pfx) to Mac OS X

1. Export of the certificate from OS Windows

Start the Internet Explorer browser and click on the tools in upper right corner (see below). Than choose **"Internet options"**.





Then choose the tab Content and click on Certificates button



Mark the certificate which you want to back up and click on the **Export** button

Certificates				×
Intended purpose:	All>			~
Personal Other People	Intermediate Certific	ation Authoritie	es Trusted Root	Certification 💶 🕨
Issued To Kateřina Kateřina Kateřina Kateřina Kateřina Kateřina Kateřina Kateřina Kateřina	Issued By I.CA Test Public C I.CA Test Qualifie I.CA Test Qualifie I.CA Test Public C I.CA Test Qualifie I.CA Test Qualifie I.CA Test Qualifie I.CA Test Public C I.CA Test Public C I.CA Test Qualifie	Expiry D F 20/07/2 30/07/2 20/07/2 10/08/2 11/08/2 10/08/2 28/07/2 16/07/2 11/08/2	Friendly Name <none> <none> <none> <none> <none> <none> <none> <none> <none> <none></none></none></none></none></none></none></none></none></none></none>	~
Import Expo	rt Remove]		Advanced
				View
				Close



In the export provider click Next.

	×	
~	F Certificate Export Wizard	
	Welcome to the Certificate Export Wizard	
	This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.	
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
	To continue, click Next.	
	Next Cancel	
Ch	oose the option YES, export the private key	
		\checkmark
←	Sertificate Export Wizard	^
	· · · · · · · · · · · · · · · · · · ·	
	Export Private Key You can choose to export the private key with the certificate.	_
	Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.	
	Do you want to export the private key with the certificate?	
	Yes, export the private key	
	No, do not export the private key	



Keep the current set up of format PKCS#12.

Export File Format Certificates can be exported in a variety of file formats.	
Select the format you want to use:	
O DER encoded binary X.509 (.CER)	
Base-64 encoded X.509 (.CER)	
Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)	
Include all certificates in the certification path if possible	
Personal Information Exchange - PKCS #12 (.PFX)	
✓ Include all certificates in the certification path if possible	
Delete the private key if the export is successful	
Export all extended properties	
Enable certificate privacy	
Microsoft Serialised Certificate Store (.SST)	

Enter your password to protect your back up displayed in Windows 8, 8.1.

Security To ma using	aintain security, you must pro a password.	tect the private ke	y to a security principal o	or by
Gr	oup or usernames (recomme	nded)		
			Add	
			Remove	
Pa	ssword:			
Co	nfirm password:			
	•			
Encou	otion: TripleDES-SHA1	\sim		



Choose the file, where the private key will be exported. Use the **Browse** button.

Continue with	Next	button	

Certificate Export Wizard	
File to Export Specify the name of the file you want to export	
File name:	
C:\Users\Nb\Desktop\test back up.pfx	Browse
	Constant of the second se
	Next Cancel

To finish export of the private key, click on **Finish**.

← 2	Certificate Export Wizard	×
	Completing the Certificate Export Wizard	
	You have successfully completed the Certificate Export wizard.	
	You have specified the following settings:	
	File Name C:\Users\Nb\Desktop\test back up.pfv	
	Export Keys Yes	
	Include all certificates in the certification path Yes	
	File Format Personal Information Exchange (*.pf>	
	< >>	
	Finish Cance	



Exporting your private exchange key	\times
An application is requesting access to a Protected item.	
Password for: Privátní klíč CryptoAPI	
OK Cancel Details	
Certificate Export Wizard X	
The export was successful.	
ОК	

Back up containing certificate and private key is saved in chosen file now.



2. Installation on the certificate to Mac OS X

Open the *.Pfx file – **Keychain** application will be open and you will be asked for the system password.

	Keychains							
	login iCloud							
	System							
	System Roots			Keychain Access is	s trying to modify the			
		Na	Ufnk!	System Reycham.			25	Keychain
				Touch ID of enter your	password to allow this.			
					Lies Dessured	Concel		
					Use Password	Cancel		
	Category							
衆	All Items							
/	Passwords							
	Secure Notes							
•	My Certificates							
	Keys Cortificator							
	Certificates							



Also enter the password for *.Pfx file and press OK.

••• + 1		Q Search
Keychains		
🚽 login		
▲ iCloud	Enter the password for "Certifikat.pfx":	
G System		
🕞 System Roots	Deceword	
		ivniros Kovobain
	Show password	Reychain
Category		
Kevs		



Now your certificate is installed. For maximum functionality of the certificate continue with following steps.

In the new certificate choose the option Get info.

•••					Q Search	
Keychains ● login ● iCloud ● System System Roots	Certificate	Certificate Issued by: I.CA Public CA/RSA 07/2015 Expires: Thursday, 14 January 2021 at 11:46:03 Central European S ⊘ This certificate is valid			in Standard Time	
	Name			Kind	Expires	Kevchain
	Romar	., •/		certificate	14 Jan 2021 at 11:46:03	login
	P Ob	New Identity Preference		private key		login
		Copy "Roman" Delete "Roman"				
		Get Info				
		Evaluate "Roman"				
Category						
All Items						
/ Passwords						
Secure Notes						
My Certificates						
Y Keys						
Certificates						



In first tab **"trust"** choose the option **"Always trust".** After closing you will be asked for the system password, to save the changes.

		Roman
Certificate ^{Thandard}	Roman Issued by: I.C Expires: Thui @ This certif	CA Public CA/RSA 07/2015 rsday, 14 January 2021 at 11:46:03 Central European Standard Time ricate is valid
🔻 Trust		
w	/hen using this o	certificate 🗸 Use System Defaults ?
Sec	cure Sockets La	ayer (SSL Always Trust Never Trust
	Secure Mail	(S/MIME) no value specified 🤯
Extensil	ble Authentica	tion (EAP) no value specified 🛟
	IP Securi	ity (IPsec) 🛛 no value specified 🛛 ᅌ
	Coc	de Signing 🛛 no value specified 💙
	Time	Stamping no value specified ᅌ
	X.509 Ba	asic Policy no value specified 🗘
Details		
	Subject Name	
c	ommon Name	Roman
Cour	ntry or Region	cz
	Organisation	První certifikační autorita, a.s.
	Given Name	Roman
	Surname	
5	Serial Number	ICA - 1057276
Co		67
Cour	Common Name	UZ
Ŭ	Organisation	První certifikační autorita, a s
5	Serial Number	NTRCZ-26439395
5	Serial Number	2674717



Now your certificate is considered as trustworthy and it is possible to use it without any complications.

••• + (1)			Q Search	
Keychains Iogin ICloud System System Roots	Roman Issued by: I.CA Public CA/RSA 07/2015 Expires: Thursday, 14 January 2021 at 11:46:03 Central European Standard Time This certificate is marked as trusted for this account			
	Name	~ Kind	Expires	Keychain
	🔻 🔂 Roman	certificate	14 Jan 2021 at 11:46:03	login
	P Objekt 15/01/2020 11:39:24	private key		login
Category				
R All Items				
/ Passwords				
Secure Notes				
My Certificates				
📍 Keys				
Certificates				