Importing and exporting your Email or Personal Authentication certificate using Safari on Windows

This document explains how you can use Safari on Windows PC to import or export an existing CPAC/Email certificate.

Exporting your certificate from Safari

Import your certificate into Safari

Exporting your Certificate from Safari

Safari uses the Windows OS certificate store for encryption and authentication. Personal certificates can be exported from the Windows certificate store.

- 1. Click Start Menu > Control Panel > Internet Options
- 2. In the Internet Properties screen select the 'Content' tab and then click the 'Certificates' button.

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ile Edit View Tools Help			
djust your computer's settin	gs	View by: Small icons 🔻	
Action Center	🆏 Administrative Tools	🛃 AutoPlay	
Backup and Restore	🛂 Color Management	Credential Manager	
Date and Time	🗑 Default Programs	📑 Desktop Gadgets	
Device Manager	📾 Devices and Printers	🖳 Display	
Ease of Access Center	📕 Flash Player (32-bit)	📅 Folder Options	
Fonts	🔒 Getting Started	🤣 HomeGroup	
Indexing Options	🔁 Internet Options	لے Java	
🗈 Keyboard	Location and Other Sensors	Ø Mouse	
Network and Sharing Center	🔜 Notification Area Icons	🛃 NVIDIA Control Panel	
Parental Controls	Performance Information and Tool	s 🧧 Personalization	
	Power Options		
Certificates be viewed. Certificates Use certificates for Clear SSL state AutoComplete AutoComplete Store on webpages and s for you. Feeds and Web Slices Feeds and Web Slices Feeds and Web Slices Content from websi content from websi read in Internet Exp programs.	t content that can Family Safety encrypted connections and identification. Certificates Publishers es previous entries Settings uggests matches es provide updated Settings plorer and other		

- 3. In the Certificates interface, make sure the 'Personal' tab is selected.
- 4. Choose the certificate you wish to export from the list and click 'Export...' then 'Next':

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Certificates				<u> </u>	1
Intended purpose: <a>All>				•	
Personal Other People In	termediate Certification Au	thorities Trus	sted Root Certificatio		
Issued To	Issued By COMODO Client Auth	Expiratio 6/13/2017	Friendly Name		
Import Export	Remove		Adva	anced	
Certificate intended purpose Secure Email, Cartifica	s ite Export Wizard				×
Learn more ab	Ite Export Wizard	Velcome f Vizard his wizard helps sts and certificat tore to your dis certificate, wh confirmation of sed to protect of onnections. A c ertificates are k o continue, click	to the Certific s you copy certificate ate revocation lists fri k. ich is issued by a cer f your identity and co data or to establish s certificate store is the cept. k Next.	cate Exp es, certification om a certific tification aution tains infor secure netwo e system are	e trust ate thority, is mation ork a where
			< Back Ne	xt >	Cancel

- You must export the private key if you wish to use the certificate for digitally signing mail/documents and/or for authenticating yourself to websites. So if you intend to import your certificate into another browser/email client or mobile device, then we advise you choose, '.<u>Yes, export the private key'</u>
- If you only need to export the certificate for the (more limited) purposes of sharing or archiving your public key, then select <u>'No, do not export the private key'.</u>

Certificate Export Wizard	23
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	
Learn more about exporting private keys	
< Back Next > Can	cel

Option 1 (export with private key)

6. Select 'Yes, export the private key' and click 'Next'.

Certificate Export Wizard
Export File Format Certificates can be exported in a variety of file formats.
Select the format you want to use:
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 Microsoft Serialized Certificate Store (.SST)
Learn more about <u>certificate file formats</u>
< Back Next > Cancel

- 7. Select 'Personal Information Exchange' and make sure 'Include all certificates in the certification path if possible' is selected. Click **Next**.
- 8. Next, create a password to protect the PKCS12. This will be required when you later import the certificate into another browser/mail client or device.

Certificate Export Wizard
Password To maintain security, you must protect the private key by using a password.
Type and confirm a password.
Password:
••••••
Type and confirm password (mandatory):
••••••
< Back Next > Cancel

9. Your certificate will be exported to a PKCS12 file. Click **'Browse'** and navigate to the location where the certificate should be saved and click **'Next'**.



Certificate Export Wizard		23
File to Export Specify the name of the file you want to export		
File name:		
E:\cert\certificate_comodo.pfx	Browse	

10.Click 'Finish'.





11. Click **'OK'** to finalize and that's it! You have successfully exported your Comodo Personal Authentication certificate.





Option 2 (export with no private key)

6. Select 'No, do not export the private key' and click 'Next'.

Certificate Export Wizard			
Export File Format Certificates can be exported in a variety of file formats.			
Select the format you want to use:			
DER encoded binary X.509 (.CER)			
Base-64 encoded X.509 (.CER)			
Oryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)			
Include all certificates in the certification path if possible			
Personal Information Exchange - PKCS #12 (.PFX)			
\checkmark Include all certificates in the certification path if possible			
Delete the private key if the export is successful			
Export all extended properties			
Microsoft Serialized Certificate Store (.SST)			
Learn more about <u>certificate file formats</u>			
< Back Next > Cancel			

7. Select 'Cryptographic Message Syntax Standard' and make sure 'Include all certificates in the certification path if possible' is selected. Click **'Next'** to proceed.

Certificate Export Wizard	×
File to Export Specify the name of the file you wa	nt to export
File name:	
E:\certs\john_certs.p7b	Browse
	< Back Next > Cancel

8. Click 'Browse' and navigate to the location where the certificate should be saved and click 'Next'.

10





9. Click 'Finish'.



That's it. You have successfully exported your Comodo Personal Authentication certificate.

Importing your Certificate into Safari:

- 1. Click Start Menu > Control Panel > Internet Options.
- 2. In the Internet Properties screen select the 'Content' tab and then click the 'Certificates' button

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ile Edit View Lools Help		
Adjust your computer's setting	gs	View by: Small icons 🔻
Action Center	😨 Administrative Tools	🖬 AutoPlay
Backup and Restore	🛂 Color Management	🧧 Credential Manager
P Date and Time	😿 Default Programs	📑 Desktop Gadgets
Device Manager	Devices and Printers	🖳 Display
Ease of Access Center	🗾 Flash Player (32-bit)	Folder Options
🗼 Fonts	Getting Started	🤣 HomeGroup
lndexing Options	Different Options	🛓 Java
🔤 Keyboard	Location and Other Sensors	I Mouse
Network and Sharing Center	🔜 Notification Area Icons	🛃 NVIDIA Control Panel
😽 Parental Controls	Performance Information and Tools	Mersonalization
Family Safety Control the Interne be viewed. Certificates Use certificates for Clear SSL state AutoComplete AutoComplete AutoComplete store on webpages and s for you. Feeds and Web Slices Feeds and Web Slice	t content that can Family Safety encrypted connections and identification. Certificates Publishers es previous entries Settings es provide updated Settings	
read in Internet Exp programs.	olorer and other	

3. In the Certificates interface, make sure the 'Personal' tab is selected, click 'Import' and then click 'Next'.

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Certificates		X	1
Intended purpose: <a>		•	
Personal Other People Inte	ermediate Certification Authorities	rusted Root Certification 🛃 📩	
Issued To I	ssued By Expiratio	. Friendly Name	
Import Export	Remove	Advanced	
Cer uncate intended purposes	Certificate Import Wizard		X
Learn more about <u>certificates</u>		Welcome to the Ce Wizard This wizard helps you copy cer lists, and certificate revocation certificate store. A certificate, which is issued b a confirmation of your identity used to protect data or to esta connections. A certificate store certificates are kept. To continue, dick Next.	rtificate Import tificates, certificate trust a lists from your disk to a y a certification authority, is and contains information ablish secure network e is the system area where
		< Back	Next > Cancel

4. Click 'Browse' in the next step and navigate to the location of your PKCS12 certificate file.

Certificate Import Wizard
File to Import
Specify the file you want to import.
File name:
Browse
Note: More than one certificate can be stored in a single file in the following formats:
Personal Information Exchange- PKCS #12 (.PFX,.P12)
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)
Microsoft Serialized Certificate Store (.SST)
Learn more about <u>certificate file formats</u>
< Back Next > Cancel

5. Now you need to change type of the file, select '**Personal Information Exchange (.p12)'** from the drop down box, locate your certificate file (.p12) and click '**Open'** (see below).



6. After locating your certificate file, click **Next**. To complete the installation process, you are required to enter the PIN (password) you set up for the certificate during the enrollment process. If you have forgotten your password, contact your system administrator who will be able to reset it for you.

Certificate Import Wizard		
Password To maintain security, the private key was protected with a password.		
Type the password for the private key.		
Password:		
••••••		
 Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option. Mark this key as exportable. This will allow you to back up or transport your keys at a later time. Include all extended properties. 		
Learn more about <u>protecting private keys</u>		
< Back Next > Cancel		

7. Next you will be prompted to choose the certificate store for your certificate. Unless your administrator has specified otherwise, you should leave this at the default **Place all certificates in the following store** option.

Certificate Import Wizard
Certificate Store
Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for the certificate.
\bigcirc Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store:
Personal Browse
Learn more about <u>certificate stores</u>
< Back Next > Cancel

- 8. Click 'Next' to proceed to the review and confirm stage:
- 9. Click Finish to complete the process. The certificate will be imported.

10.Select the security level for storing the Private Key in your system and click OK.

😭 Importing a new private exchange key		
	An application is creating a Protected item.	
	CryptoAPI Private Key	
	Security level set to Medium Set Security Level	
	OK Cancel Details	

That's it. You have successfully imported your Comodo Personal Authentication certificate into Safari.

About Comodo

The Comodo organization is a global innovator and developer of cyber security solutions, founded on the belief that every single digital transaction deserves and requires a unique layer of trust and security. Building on its deep history in SSL certificates, antivirus and endpoint security leadership, and true containment technology, individuals and enterprises rely on Comodo's proven solutions to authenticate, validate and secure their most critical information.

With data protection covering endpoint, network and mobile security, plus identity and access management, Comodo's proprietary technologies help solve the malware and cyber-attack challenges of today. Securing online transactions for thousands of businesses, and with more than 85 million desktop security software installations, Comodo is Creating Trust Online[®]. With United States headquarters in Clifton, New Jersey, the Comodo organization has offices in China, India, the Philippines, Romania, Turkey, Ukraine and the United Kingdom.

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For additional information on Comodo - visit https://www.comodo.com