# Importing and exporting your Email or Personal Authentication certificate with Opera

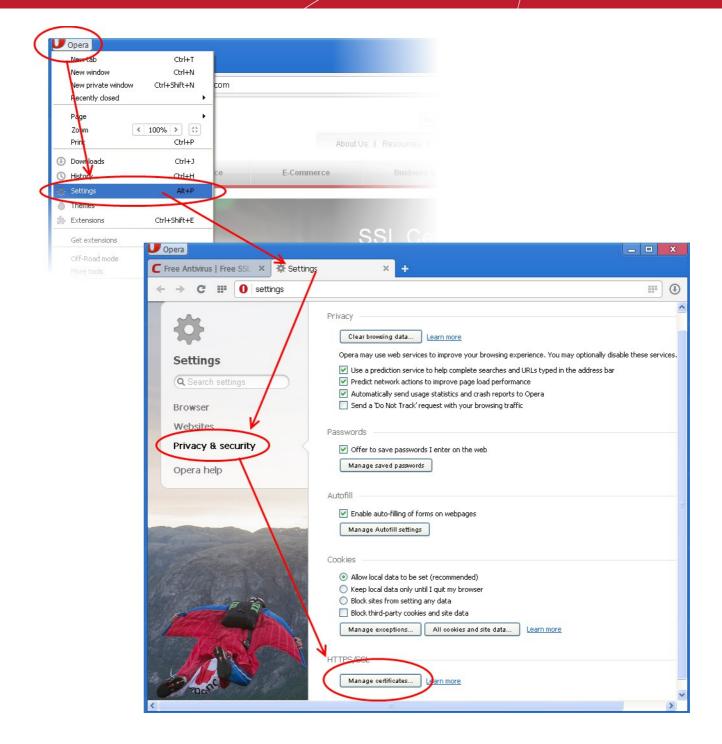
This document explains how you can use Opera to import or export an existing CPAC/Email certificate.

Exporting your certificate from Opera Import your certificate into Opera

### **Exporting your Certificate from Opera**

- 1. Open Opera then click 'Opera icon' > 'Settings'.
- 2. In the Settings tab, click 'Privacy & Security' > 'Manage Certificates'.





- 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...'.

сомодо

rtificates						
Intended purpose	e: <all></all>				•	
Personal Othe	er People   Inte	ermediate Certification A	Authorities Tru	isted Root Certific	ation 1	
Issued To	1	ssued By	Expiratio	Friendly Name		
Kaliun I	lashkatizva (	COMODO Client Auth	6/13/2017	In altrea Tandhikatter	1.100	
Import Certificate inter	Export	Remove		A	dvanced	
Secure Email,	Certificate Ex	port Wizard		-		×
Learn more ab			Wizard This wizard help lists and certific store to your di A certificate, wi a confirmation o used to protect	hich is issued by a of your identity ar data or to establ certificate store is kept.	cates, certifica ts from a certif certification a d contains info ish secure neto	ate trust icate uthority, is prmation work
			ſ	< Back	Next >	Cancel

5. In the Certificate Export Wizard, click 'Next'.

СОМОДО

Certificate 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		
Learn more about <u>exporting private keys</u>		
< Back Next > 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, 'Yes, export the private key'.
- 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>

#### Option 1 (export with private key)

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

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Certificate Export Wizard		
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' to proceed.
- 8. Next, create a password to protect the PKCS12. This will be requested should you later import the certificate into another browser/mail client or device.

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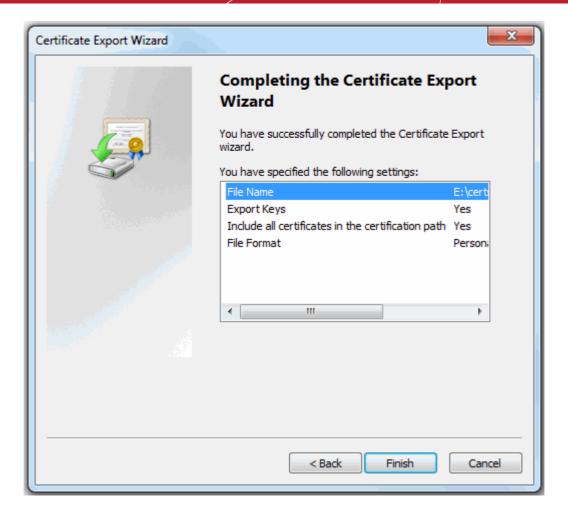
Certificate Export Wizard
Password
To maintain security, you must protect the private key by using a password.
Type and confirm a password.
Password:
Type and confirm password (mandatory):
••••••
< Back Next > Cancel

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'**.

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File to Export         Specify the name of the file you want to export         File name:         E:\certs\john_certificate.pfx         Browse
E:\certs\john_certificate.pfx Browse
< Back Next > Cancel

10.Click 'Finish'.



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



#### Option 2 (export without private key)

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

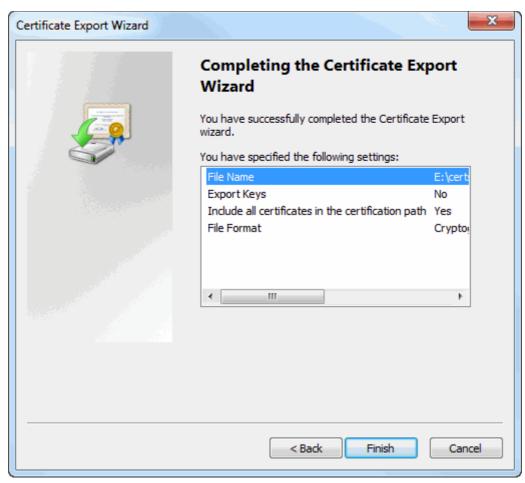
Certificate Export Wizard		
Export File Format Certificates can be exported in a variety of file formats.		
Select the format you want to use:		
OER encoded binary X.509 (.CER)		
Base-64 encoded X.509 (.CER)		
Oryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)		
Include all certificates in the certification path if possible		
Personal Information Exchange - PKCS #12 (.PFX)		
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.

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Certificate Export Wizard		X
File to Export Specify the name of the file you want to exp	ort	
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'.



9. Click 'Finish'.

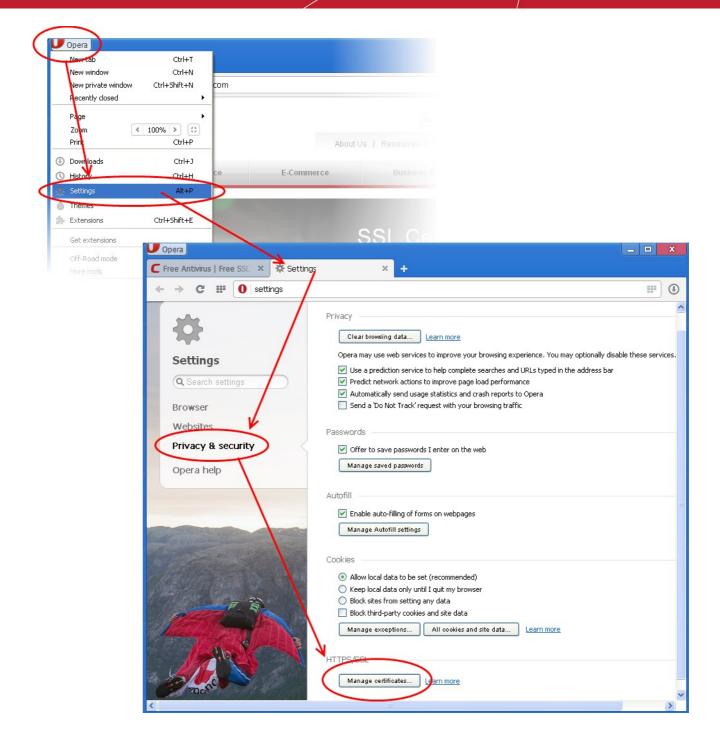


That's it. You have successfully exported your Comodo Personal Authentication certificate from Opera.

#### Importing your Certificate into Opera:

- 1. Open Opera then click 'Opera icon' > 'Settings'.
- 2. In the Settings tab, click 'Privacy & Security' > 'Manage Certificates'.





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

сомодо

Certificates		×	
Intended purpose: (	<all></all>	<b>_</b>	
Personal Other Peop	e Intermediate Certification	Authorities Trusted Root Certification	
Issued To	Issued By	Expiratio Friendly Name	
Import Exp Certificate intended pt	ort Remove	Advanced	
	Certificate Import Wizard		x
Learn more about cer		Welcome to the Certificate Impo Wizard           This wizard helps you copy certificates, certificate to lists, and certificate revocation lists from your disk to certificate store.           A certificate, which is issued by a certification author 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 of certificates are kept.           To continue, click Next.	rust o a prity, is tion
		< Back Next >	Cancel

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

СОМОДО

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. 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.



Open		x
🔾 🗢 📕 🕨 Com	puter 🕨 Local Disk (E:) 🕨 certs	<ul> <li>✓ </li> <li>✓ </li></ul>
Organize 🔻 New	folder	1 v 🗍 🔞
<ul> <li>☆ Favorites</li> <li>■ Desktop</li> <li>▶ Downloads</li> <li>♥ Recent Places</li> </ul>	jonh_seimu r_comodo_ com.p12	
F	ile name:	✓ Personal Information Exchange      ✓
		X.509 Certificate (*.cer;*.crt) Personal Information Exchange (*.pfx;*. Certificate Trust List (*.stl) Certificate Revocation List (*.crl) Microsoft Serialized Certificate Store (*.s PKCS #7 Certificates (*.spc;*.p7b) All Files (*.*)

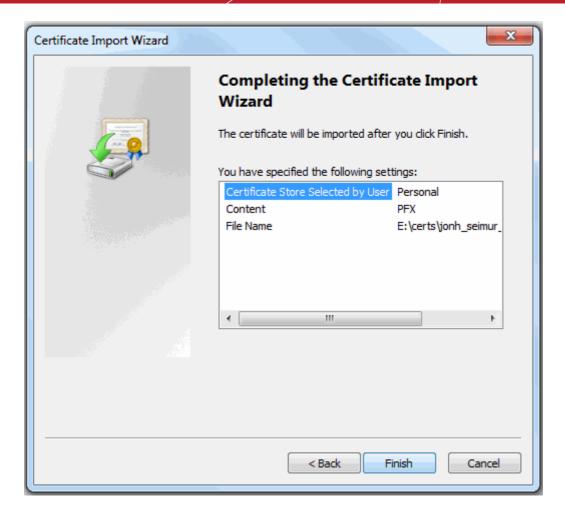
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Certificate Import Wizard
Password To maintain security, the private key was protected with a password.
Type the password for the private key.
Password:
Enable strong private key protection. You will be prompted every time the private key is used by 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

6. Click 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.		
O 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		

7. Click 'Next' to proceed to the review and confirm stage:



- 8. Click **Finish** to complete the process. The certificate will be imported.
- 9. 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 Opera.

## **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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