# Importing and exporting your Email or Personal Authentication certificate using Google Chrome

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

Exporting your certificate from Google Chrome Import your certificate into Google Chrome

### **Exporting your Certificate from Google Chrome**

- 1. Open Google Chrome, then click the 'Menu icon' followed by 'Settings'.
- 2. Scroll down the settings page and click Show Advanced Settings:

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	Search			
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	Users		MSPWorld	+
	You are currently the only Google Chrome user.		March 26-28, 2014	
	Add new user Delete this user Import bookmarks and settings		Orlando World	
	Default browser		Marriott	
			Orlando, FL	EV SSL
	Make Google Chrome my default browser			AUTE DATIC & C
	Google Chrome is not currently your default browser.			

3. Scroll down again and click the 'Manage Certificates' button under HTTPS/SSL.

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Chrome	Search settings		
History	Languages		
Extensions	Change how Chrome handles and displays languages		
Settings	Language and input settings		
Help	Offer to translate pages that aren't in a language I read. Manage languages		
	Downloads		
	Download location: C:\Documents and Settings\John W Change		
	Ask where to save each file before downloading		
	HTTPS/SSL Manage certificates Check for server certificate revocation		
	Google Cloud Print		
	Set up or manage printers in Google Cloud Print, Learn more		
	Manage Show notifications when new printers are detected on the network		
	System		

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

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ertificates						
Intended purpo	se: <all></all>				•	
Personal Ot	her People In	termediate Certification A	uthorities Tru	sted Root Certific	ation 4	
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Import Certificate int Secure Email,	Export	Remove s		A	dvanced	×
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Learn more ab			<b>Wizard</b> This wizard help ists and certific	to the Cert	cates, certifica	ite trust
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			Γο continue, di	ck Next.		
			(	< Back	Next >	Cancel

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Certi	ificate 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
L	earn 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
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)
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 and 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.

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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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Certificate Export Wizard	×
File to Export Specify the name of the file you want to export	
File name:	
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'

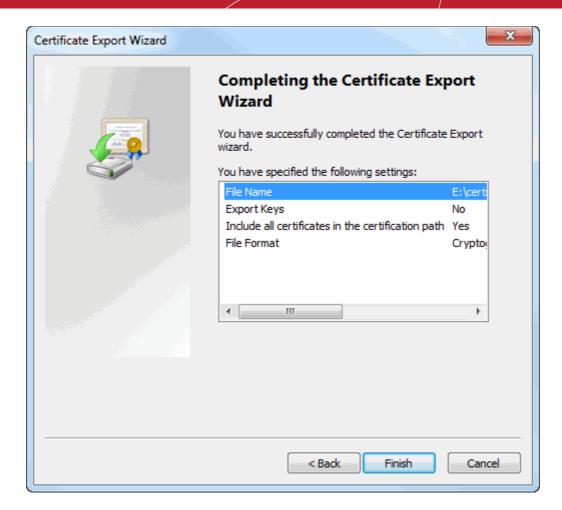
Certificate Export Wizard	x
Export File Format Certificates can be exported in a variety of file formats.	
Select the format you want to use:	
DER encoded binary X.509 (.CER)	
Base-64 encoded X.509 (.CER)	
Oryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)	
Include all certificates in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

### Importing your Certificate into Google Chrome:

- 1. Open Google Chrome, then click 'Menu icon' > 'Settings'.
- 2. Scroll down and click the Show Advanced Settings link.

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	Appearance           Get themes         Reset to default theme           Show Home button         Show Home button	In 141	Settings About Google Chrome Help	9
	Always show the bookmarks bar	*	New extension added (Priv Exit	(Dog) Ctrl+Shift
	Search Set which search engine is used when searching from the <u>ornnbox</u> . Google  Manage search engines		We will be	at
	Users You are currently the only Google Chrome user. Add new user Delete this user Import bookmarks and settings		MSPWorld March 26-28, 2014 Orlando World C Marriott	
	Default browser Make Google Chrome my default browser		Orlando, FL	COM C
	Google Chrome is not currently your default browser.			
	Show advanced settings			

3. Scroll down again and click the Manage Certificates button under HTTPS/SSL.

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	Google Cloud Print Set up or manage printers in Google Cloud Print. <u>Learn more</u> Manage Show notifications when new printers are detected on the network		
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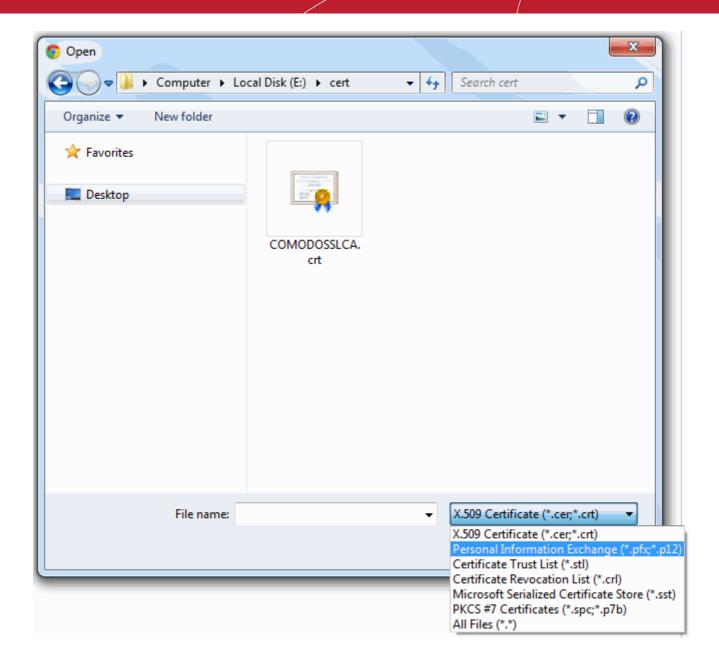
4. In the Certificates interface, make sure the 'Personal' tab is selected, click 'Import' and then click 'Next'.

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Personal	Other People	Intermediate Certification	on Authorities Tru	sted Root Certification	
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			a confirm used to p connecti certificat	ate, which is issued by a cer bation of your identity and co protect data or to establish s ons. A certificate store is the es are kept. nue, click Next.	ntains information ecure network

5. 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		

6. Locate your certificate file (.p12) and click 'Open':



7. 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.

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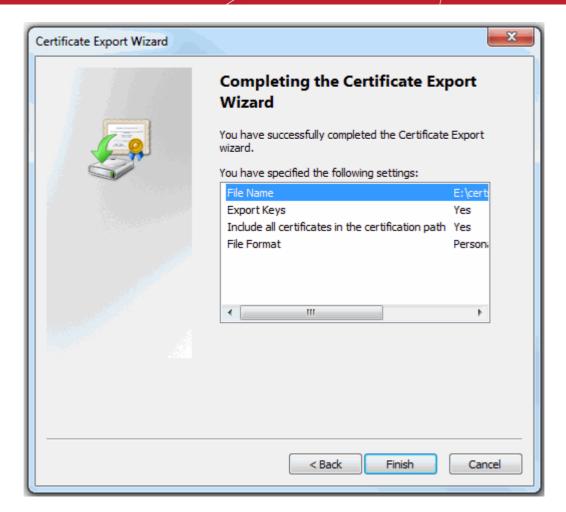
СОМОДО

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

8. Next you will be prompted to choose which 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

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



10.Click Finish to complete the process. The certificate will be imported.

11. 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 Google Chrome.

# **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.

Comodo Security Solutions, Inc.	Comodo CA Limited
1255 Broad Street	3rd floor, Office Village Exchange Quay
Clifton, New Jersey 07013	Trafford Road, Salford, Manchester M5 3EQ
United States	United Kingdom
Tel : +1.888.266.6361	Tel:+44 (0) 161 874 7070
Tel : +1.703.581.9361	Fax : +44 (0) 161 877 1767
Email: sales@Comodo.com	

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