

U S E R G U I D E



TATA CONSULTANCY SERVICES

Tata-Dhruvam™ **Certificate Export/Import**

[VERSION 1.0]

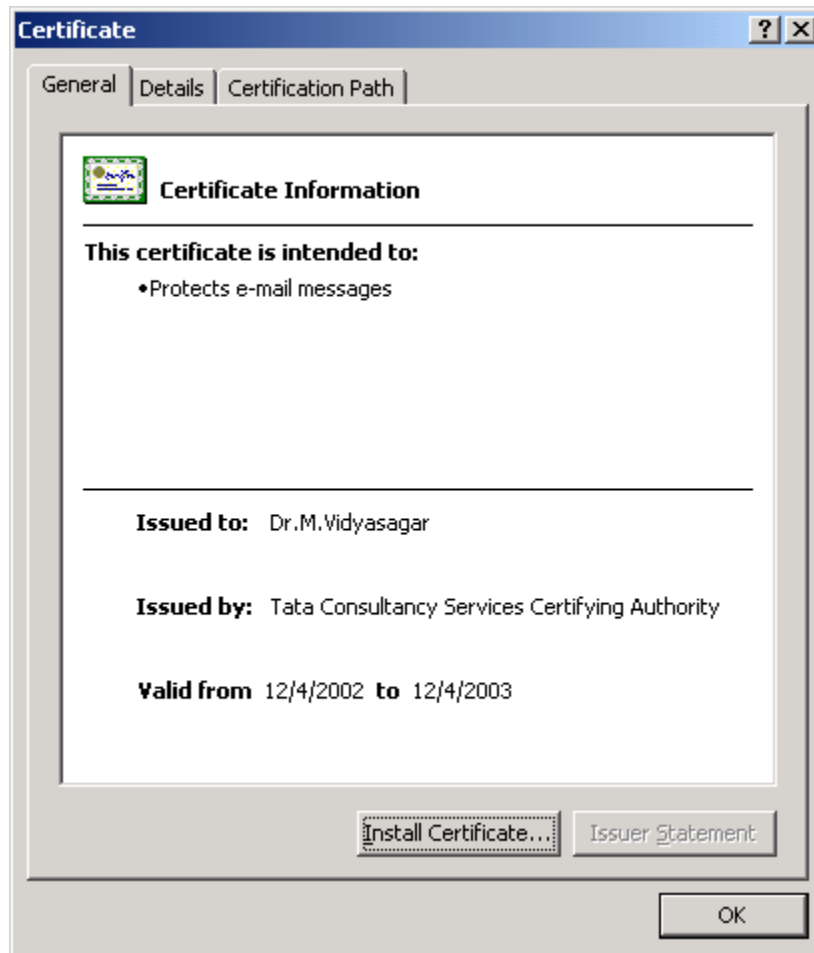
CONTENTS

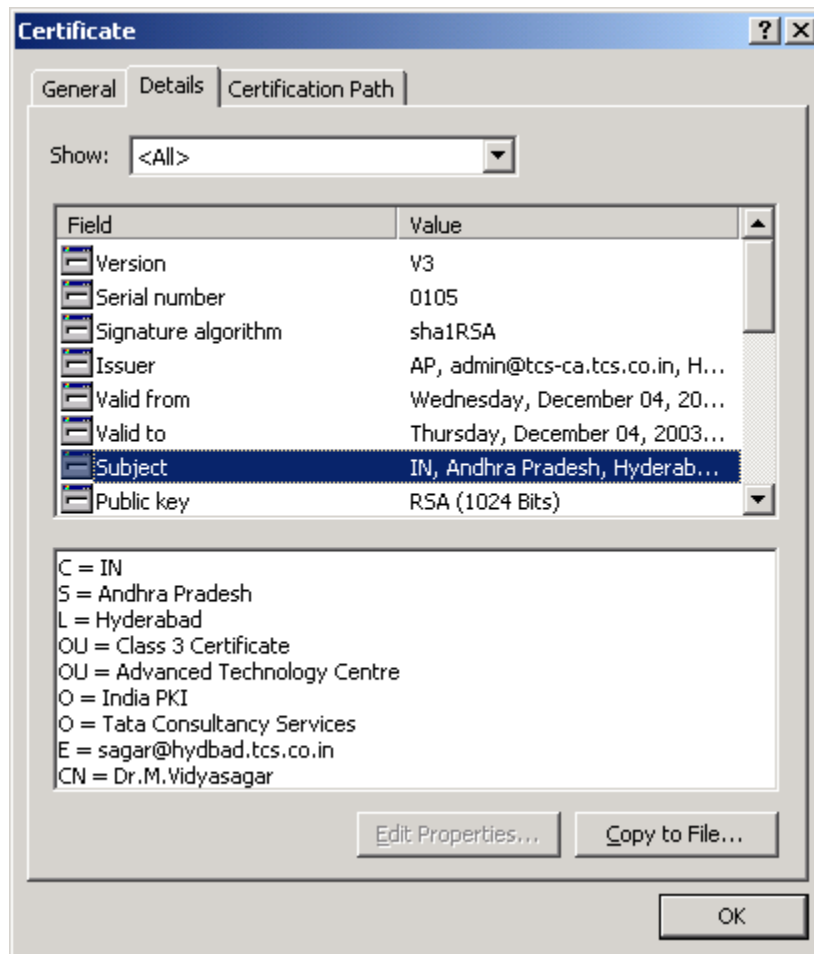
1	DIGITAL CERTIFICATES	1
2	PKCS #12 FILES	4
2.1	Exporting a PKCS#12 File from the Browser	5
2.2	Importing PKCS #12 File into the Browser.....	15

1 DIGITAL CERTIFICATES

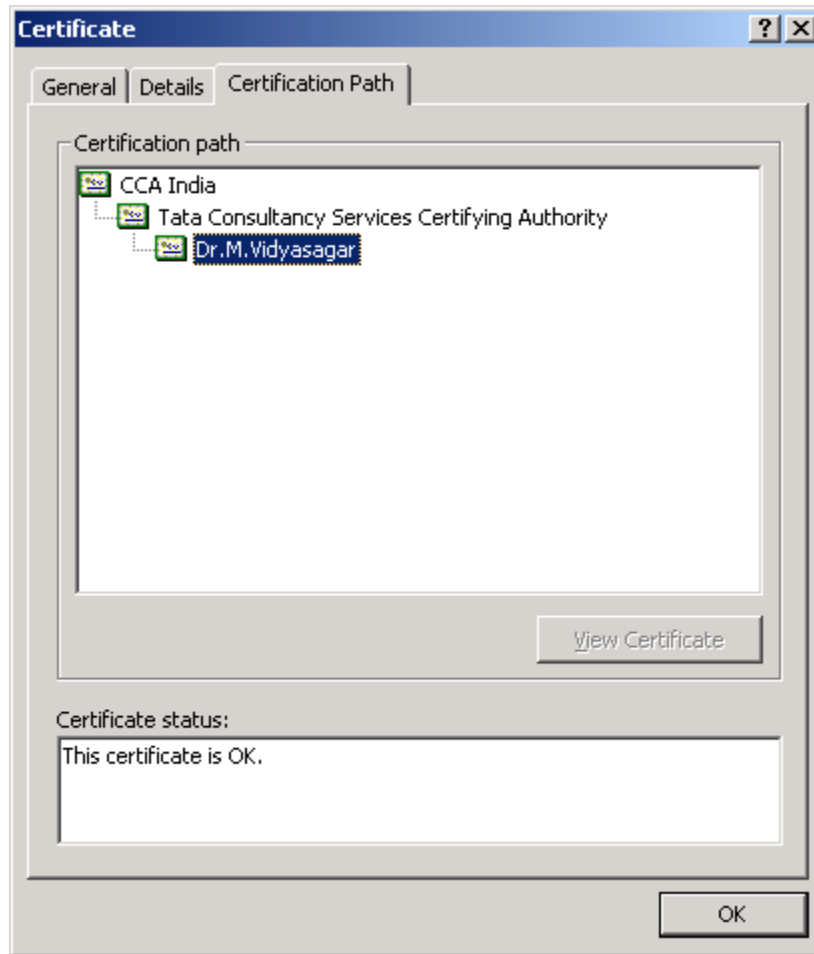
Certificates issued by TCS-CA are in X.509 v3 format. In Microsoft windows machines, these are recognized by the extension '.cer'.

To view a certificate, simply double click the .cer file.





- To view the details of a certificate, click the 'Details' tab.



- The hierarchy of trust for a certificate can be seen by clicking the 'Certification Path' tab.

In this example, the certificate is issued by TCS-CA, whose certificate is issued by CCA India.

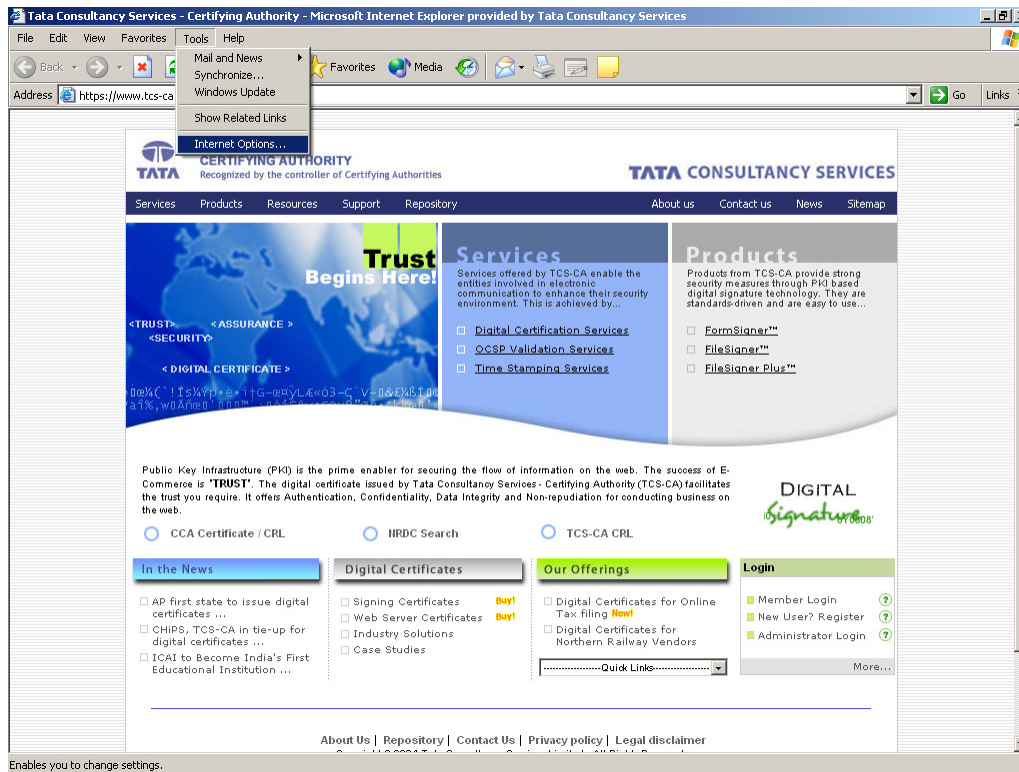
2 PKCS #12 FILES

PKCS stands for Public Key Cryptographic Standard. PKCS #12 is the standard for transporting the private key along with the certificate securely. It has both the private key and the certificate. The private key is encrypted.

When the Subscriber downloads the certificate into the IE browser, the certificate is stored in the key store where the private key is generated. To use the credentials in some other machine, the Subscriber has to export the private key and the certificate from the browser as a PKCS #12 file.

The extension for the PKCS #12 file is either '.p12' or '.pfx'

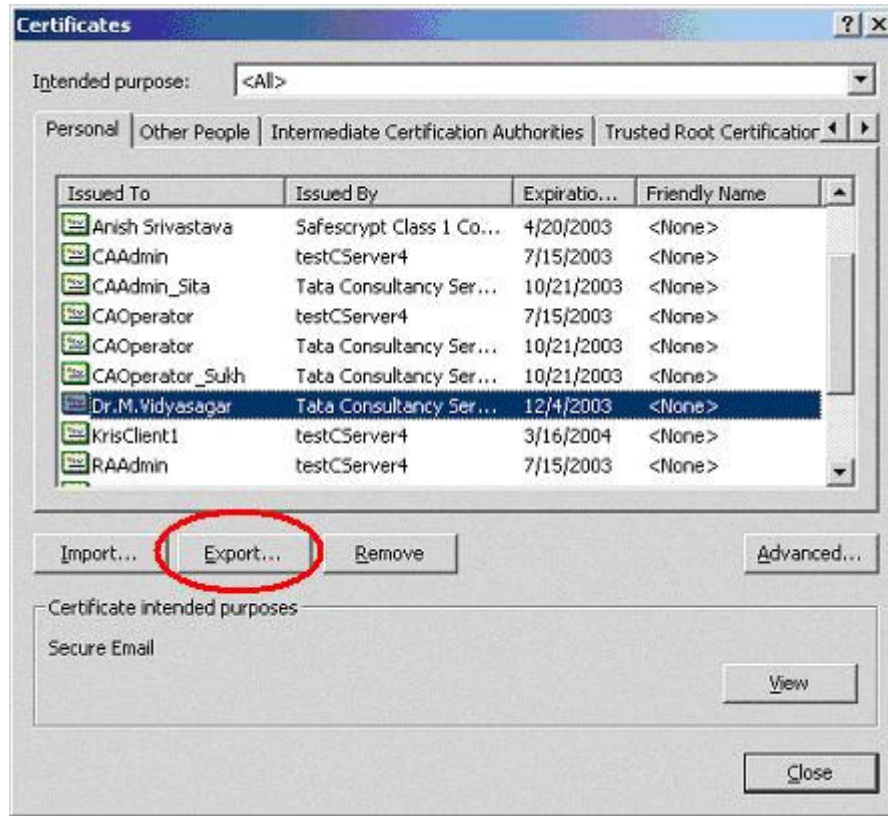
2.1 EXPORTING A PKCS#12 FILE FROM THE BROWSER



- Open an internet browser window
- Click the 'Tools -> Internet Options' tab on the IE browser



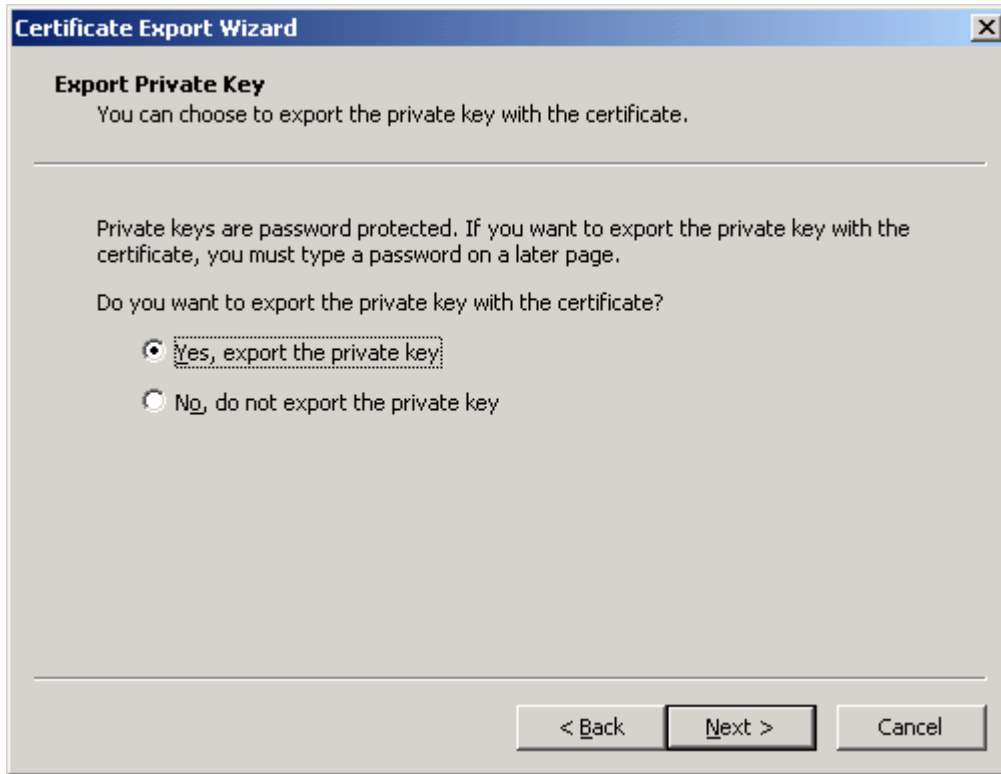
- Click on the 'Content -> Certificates' tab on the dialog box shown.



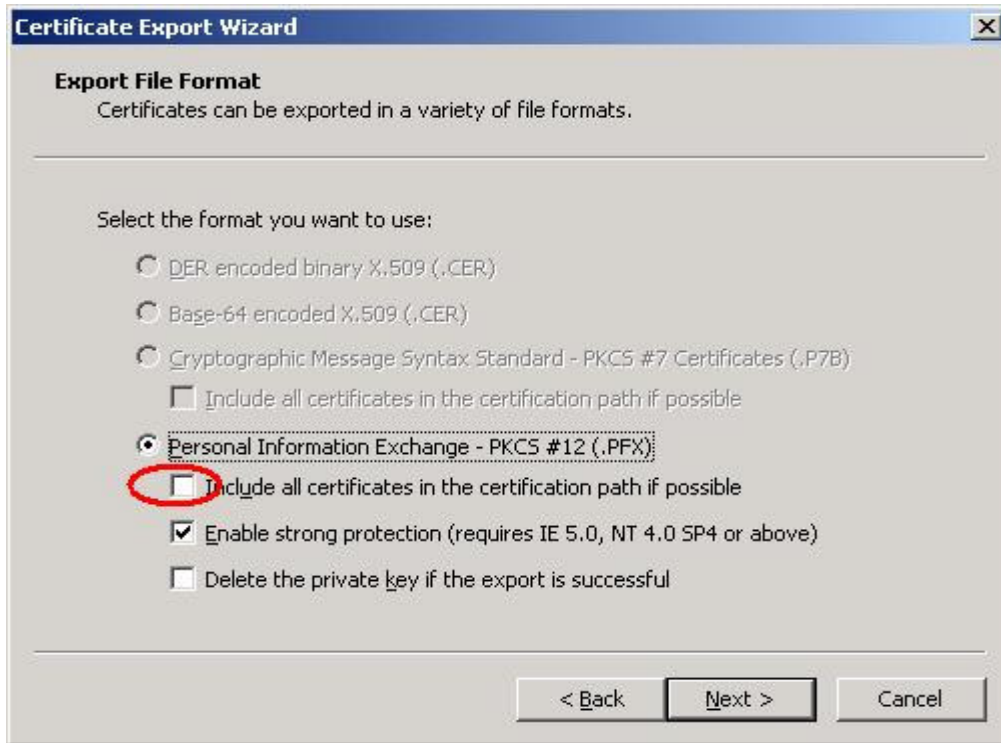
- Choose the certificate to be exported and click on the export tab.



- Click Next to the dialog to continue



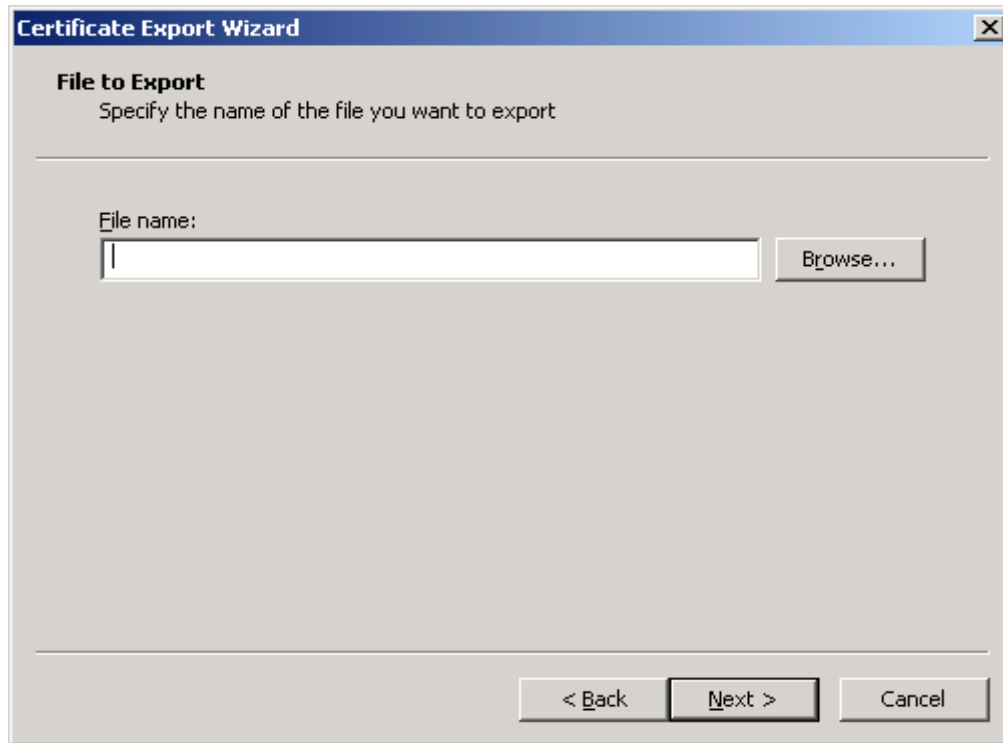
- To export the private key with the certificate, choose the option 'Yes' and click 'Next'



- Select the box indicated to include the CA certificate also with the Subscriber's certificate and Click 'Next'



- Enter the password to protect the PKCS#12 file



- Choose the file name and location to save the file. Give the extension of the file as '.p12' or '.pfx'



- Click Finish to export the private key and the certificates.



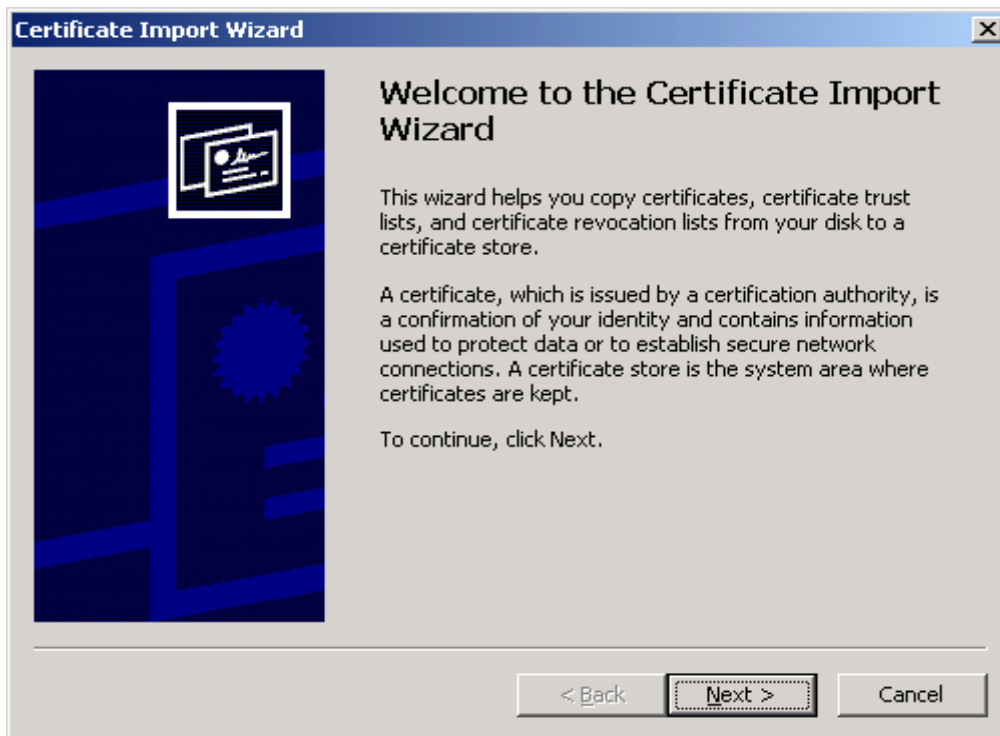
- A dialog box will be shown for accessing the private key. Click 'OK' to continue



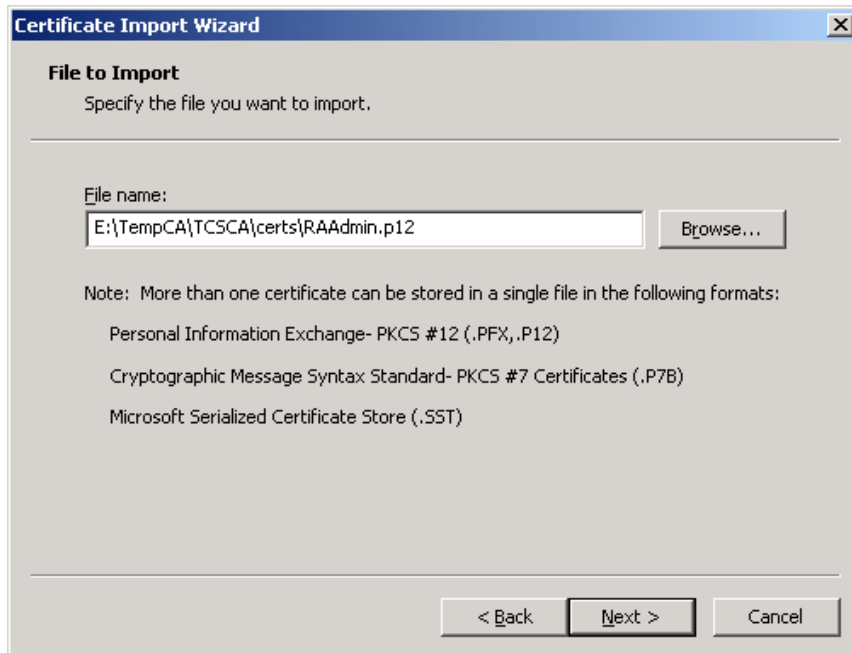
- A message will be shown indicating the successful completion of the export.

2.2 IMPORTING PKCS #12 FILE INTO THE BROWSER

- Double-click on the '.p12' or '.pfx' file.



- Click 'Next' on the dialog to continue.

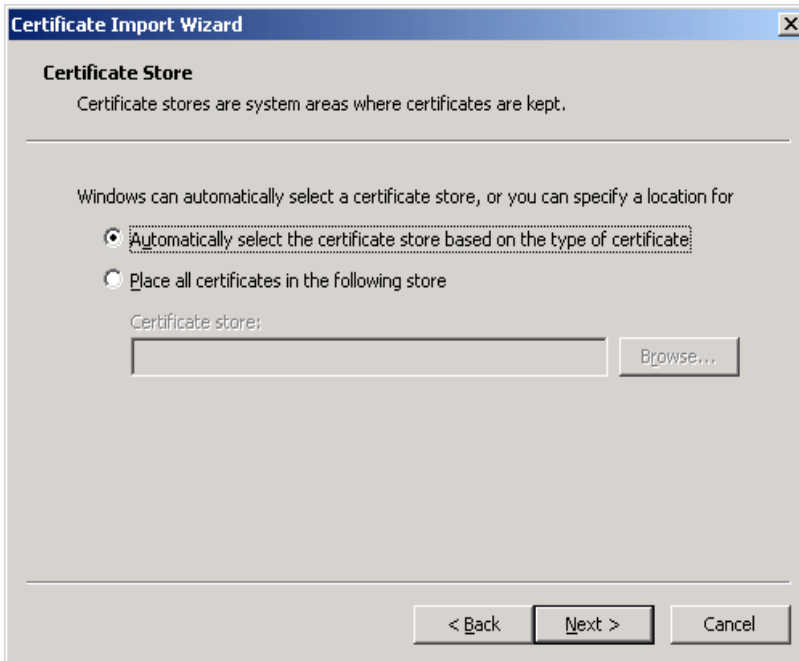


- Check the File location and click 'Next'.

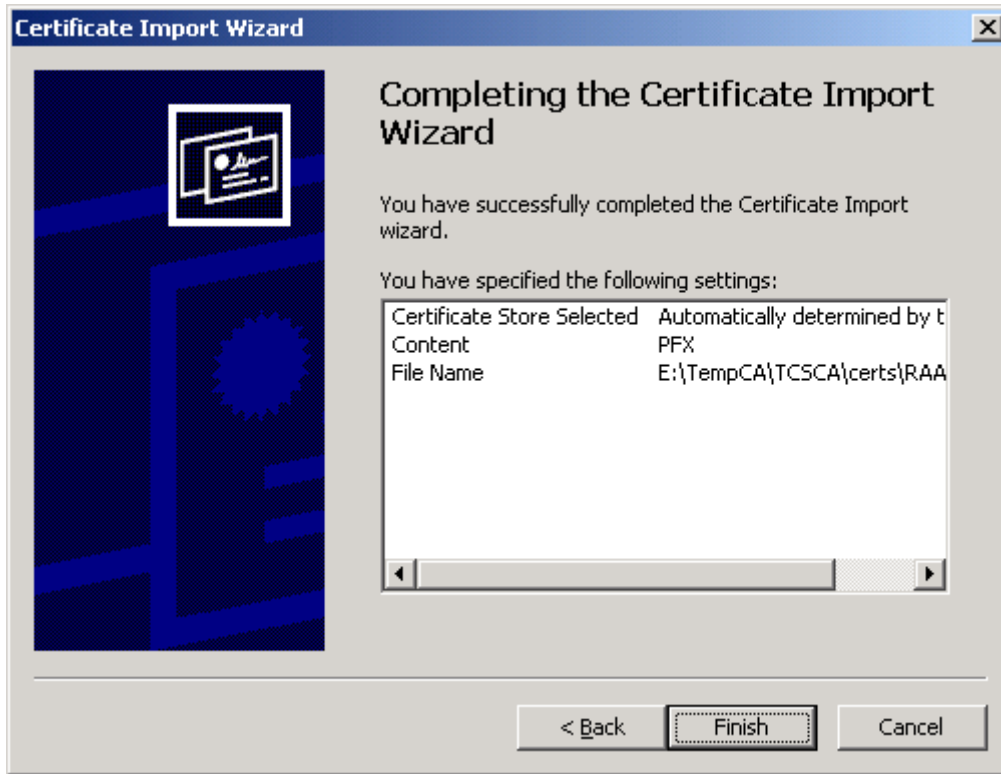


- Enter the password, with which the private key is protected in the PKCS #12 file.

- Select the option 'Mark the private key as exportable', if you further want to export the private key from the browser. If it is not selected, then the private key cannot be exported from the browser again.



- Choose the option to automatically select the certificate store as shown and click 'Next'.



- Click 'Finish' to import the PKCS #12 file.



- Click 'OK' to import the private key.



- A message will be shown indicating the successful import of the private key.

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