Adding a root certificate

If the browser security window opens while you are trying to connect to the Web-client (Fig. 1), it is necessary to add the **moex.cer** root certificate of Moscow Exchange to the list of trusted certificates.





(i) Root certificate of the Moscow Exchange ("Certification center," serial number 40:40:10:A8:D9:EB:39:2C:09:5D:7D:8E:50:AB:39:BD) can be exported from the Certificates storage. To do this:

B ♥ Locar sole C B ♥ Network stores	f certificates of certificates		Delete Root Certification Authority certificate Export to DER file Export RSA key Print View settings Save objects list into file	Del			
		<	[[1	24	>	

To do this:

1. open the system directory of certificates, type "certmgr.msc" string in the Windows search box (Fig. 2). Then left-click on the found file. This will open the system certificates storage (Fig. 3);



Fig. 2 – search of the system directory of certificates Fig. 3 – system directory of certificates

2. go to the Certificates section in the sidebar (Fig. 4).



Fig. 4 - trusted directories

3. right-click on the Certificates folder and select All TasksImport from the context menu (Fig. 5).

🚡 certmgr - [Certificates - Current l	Jser]		×
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Certificates - Current User Personal Trusted Root Certification Au Enterpris All Tasks All Tas	Issued To Class 3 Public Primary Certificat Class 3 Public Primary Certificat Class 3 Public Primary Certificat t C piCert High Assurance EV Ro uifax Secure Certificate Auth E CyberTrust Global Root crosoft Authenticode(tm) Ro crosoft Root Authority crosoft Root Authority crosoft Root Certificate Auth NO LIABILITY ACCEPTED, (c)97 Thawte Premium Server CA Thawte Timestamping CA	Issued By Class 3 Public Primary Certificatio Class 3 Public Primary Certificatio Copyright (c) 1997 Microsoft Corp. DigiCert High Assurance EV Root Equifax Secure Certificate Authority GTE CyberTrust Global Root Microsoft Authenticode(tm) Root Microsoft Root Authority Microsoft Root Authority Microsoft Root Certificate Authori NO LIABILITY ACCEPTED, (c)97 V Thawte Premium Server CA Thawte Timestamping CA	Ex 8/ 1/ 12 11 8/ 8/ 1/ 1/ 25/ 1/ 1/ 1/
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Fig. 5 – import certificate

This will open the **Certificate Import Wizard** (Fig. 6), in which you should press the **Next** button to be able to choose the **moex.cer** certificate file (Fig. 7);

Certificate Import Wizard	~
	Welcome to the Certificate Import Wizard
<u>a</u>	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.
4	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, dick Next.
	< Back Next > Cancel
Castificate Incore t Wincord	
Eile te Import Wizard	
Specify the file you want	to import.
File name:	21
C: hivex.cei	Browse
Note: More than one cert	ificate can be stored in a single file in the following formats:
Personal Information E	xchange-PKCS #12 (.PFX,.P12)
Cryptographic Message	e Syntax Standard-PKCS #7 Certificates (.P7B)
Microsoft Serialized Ce	rtificate Store (.SST)
Learn more about certificate fi	e formats
	3
	< Back Next > Cancel

Fig. 6 – certificate import wizard

Fig. 7 – dialog box for selecting the imported file

- click on the Browse button (see Fig. 7,1) and select the moex.cer root certificate of the Moscow Exchange. As a result, the File Name box will display path to the file (see Fig. 7.2). Then, click Next (see Fig. 7,3);
 click the Next button in the dialog box of the Certificate archive, without changing the default parameters (Fig. 8), and then click Finish to complete the certificate import (Fig. 9);

Certificate Store Certificate stores are	system areas where certificates are kept.	
Windows can automat the certificate.	tically select a certificate store, or you can specify a location	for
O Automatically s	elect the certificate store based on the type of certificate	
Place all certific	ates in the following store	
Certificate stor	e:	
Trusted Root	Certification Authorities Browse	
Learn more about certifica	te stores	
	< Back Next > C	Cancel
rtificate import wizard		
	Completing the Certificate Impor	t
	Wizard	-
	Wizard The certificate will be imported after you click Finish.	-
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	Wizard The certificate will be imported after you dick Finish. You have specified the following settings: Certificate Store Selected by User Trusted Root Co Content Certificate File Name C:\Users\Anna\	ertifica Desktı

Upon the completion of import the Windows security window will open (Fig. 10), in which it is necessary to check the key print. Its number should match the number indicated on Fig. (10.1). If so – click **Yes** (Fig. 10.2).



Fig. 10 - Windows security window

As a result you will see a notification about the successful import of the **moex.cer certificate of Moscow Exchange** to the list of trusted certificates (Fig. 11), where you need to click **OK**.



Fig. 11 - import success message

Next, close the system directory of certificates and restart your browser. After performing these settings a secure connection to the Web-client will be successfully established.