

User Manual of Information System

OTE-

Client station configuration

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Date	Description of revision	
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22.5.2018	Installing new component OTE PKI + setting up for several web-browsers	
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1 Workstation configuration

Compatible web browsers:

- Mozilla Firefox
- Google Chrome
- Microsoft Edge (without compatible mode)

Compatible operating systems:

- Windows 10
- Windows 11

We recommend to use security updates from <u>http://windowsupdate.microsoft.com</u>.

2 Browsers Google Chrome, Mozilla Firefox and Microsoft Edge

2.1 Installation of Component OTE PKi Client for access to CS OTE

Link for downloading installation file is located on web page: <u>http://www.ote-cr.cz/registration-and-agreements/access-to-cs-ote/konfigurace-pc?set_language=en</u> in the table **A** – **Access to CS OTE through a web browser** (links for installation packages for IE and for other supported browsers 32-bit, 64-bit OS).

To start installation open the downloaded file:

1) You will be asked to choose the language of installation

Installer La	inguage X
	Please select a language.
	English 🔹
	OK Cancel

2) In next step, according to used browser, decide if to install OtePkiClient just for you or for anyone using this PC

G OtePkiClient Setup	
Choose Users Choose for which users you want to install OtePkiClient.	
Select whether you want to install OtePkiClient for yourself only or for all use computer. Click Next to continue.	rs of this
Install for anyone using this computer Install just for me	
Nullsoft Install System v25-Jan-2018.cvs	Cancel

- Choosing "Install for anyone ..." will locate installation into Program Files



- Choosing "Install just for me" will locate installation into User's Folder
- 3) Now, it is possible to modify the location manually

G OtePkiClient Setup	
Choose Install Location Choose the folder in which to install OtePkiClient.	
Setup will install OtePkiClient in the following folder. To install in a different f Browse and select another folder. Click Install to start the installation.	older, dick
Destination Folder	Browse
Space required: 205.7MB Space available: 138.2GB	
Nullsoft Install System v25-Jan-2018.cvs	Cancel

4) Is there OTECA Authority installed in Trusted Root Athorities on this PC?

If this authority is in the system not installed yet, following window with information about installing this Authority will appear:



Pressing YES the instalation will continue. Installed Authority is valid for all supported web browsers except Mozilla Firefox. Process of installing for this browser is decribed in the chapterr 2.3.



5) Now we choose if to run OtePkiClient after Installation and if to create the Shortcut on Desktop.



2.2 **Post-install configuration**

If using another web-browser then Mozilla Firefox, please see the chapter 2.5.

2.2.1 Importing OTECA authority into Mozilla Firefox browser

In the case of using OtePikiClient with this web-browser it is necessary to install OTECA authority into the browser manually:

- a) Download the file oteca.pem from the link <u>https://www.ote-cr.cz/cs/registrace-a-smlouvy/pristup-do-cs-ote/files-konfigurace-pc/oteca.pem</u> and install it into the browser. or
- b) Copy the text shown below into file called OTECA.pem and use this file for installing into web browser :

----BEGIN CERTIFICATE----

MIIFpDCCA4yqAwIBAqIKAq9tFwPoO3XI5TANBqkqhkiG9w0BAQsFADA/MQswCQYD VQQGEwJDWjESMBAGA1UECqwJT1RFLCBhLnMuMQwwCqYDVQQLDANQS0kxDjAMBqNV BAMMBU9URUNBMB4XDTE4MDMwNTE3NDgwM1oXDTI4MDMwNTE3NDgwM1owPzELMAkG A1UEBhMCQ1oxEjAQBqNVBAoMCU9URSwqYS5zLjEMMAoGA1UECwwDUEtJMQ4wDAYD VQQDDAVPVEVDQTCCAiIwDQYJKoZIhvcNAQEBBQADggIPADCCAgoCggIBANrqtnuv 5zS9byhArdH2sTE+dAGSYT85RT71+E1koCwpYbOsGsR3/7LzbQT0R7dn8iSDPR5a hh0B8mdcWLYXOV0croBFs0WpGUiOSiwpKLFr+aXMtVNBfX5qF+GZWRj+G+NfhYgr zARTN2Ws0MnQGZbXY0GuIWOwYItj9EA15qTE3IN/ereSzwkSwx3Fd2AiqxL7V6Yw pxU+rWe39MFH8prTPw6TI0xvPconZwObaIoHG54P4wRqEeuKnzaW4vZeinGvIXpn 5MamU2tQrMUGCMOEeycASPMEubSK8z6IyJ35ZQ31aeUk31wrzp0CJZVFsZtThn8T 9e1ZiPHxD3LbW5bGT7hSVqe7qe1qwdomYItQrRLJZ17YMBEA8vfqZHwjcja07QfX ljYdUirnujTDqHqcu6RXVkhPvVbdFNcRe1o34+8TzmDXQOVOTSzjEOdGcB++Rvcp +pxbbQUFM4ja3BH3Y9hV2GWSPtET/FhY028gG2KkFpXAz7HzpnLjm27dvSH4RU3S AYKm+cd/btgDI2fGzaKtVt50+trB2Wj1+GipsRkw2VmOdBD0++T28NcrOu7HNVBF xNzpvHchoVOonWLbghxzqVDux+BWEriOIJYSebBbQdn0Vic5xB0+kcGMHMfnJ6Dz 7sOhlZqH3h3rYq7G88JxGVGbxFGZHMTYyamhAqMBAAGjqaEwqZ4wDwYDVR0TAQH/ BAUwAwEB/zALBqNVHQ8EBAMCAQYwHQYDVR00BBYEF0pk3trCPeD1q01UhNqqi73M 7xMVMB8GA1UdIwQYMBaAFOpk3trCPeD1qO1UhNqqi73M7xMVMB4GA1UdEQQXMBWB E290ZWNhLmN6QGxvZ21jYS5jb20wHqYDVR0SBBcwFYETb3R1Y2EuY3pAbG9naWNh LmNvbTANBqkqhkiG9w0BAQsFAAOCAqEAXL8eTcjeG0Yb341YzErb+KGm6S2qWAqk eBbrVtVJ6uq41UYVuQ2radrN26ZMSedTyeCzmuq2bK3wLchBcQkeC/FY4qvDUVE5 nz3I0n4Ze6Ql4r6Zqck1DWEymO+OvHKaaLuheOkRTYx2+EVoTIWI/44zqZ15moQB DKSdTENQNRSTxp1pRE1TpCYxd28Ssv0S0fQpeX1v0P1fQZ363AUVr8FnKnMb3CHY 5ua45Chal3MzoiEIFz3AI0605AwMqs+vTTTzAM7Y5qEfurE0PWw08Pqv6IoxKIFv 5P7BEbwlOha8kJpncAnoLmhucZoPH774a4XHdVdT1678CWd0f+JCDGOFFVtaXkKV aUBHuw5vojEiPXZ7VGysiApZ0EM1FJ5IuZYo3kjJ60q4Rj3I+436cdOk7PlSlBiQ R0KrZmUP1ChCwW42LVaIzh0//WlagXJ/2I12bKI1qzTkixSYkOV3t+OewfLmBBM/ nmLoDdKfrmkWaEkURL81911YhDgh2fwOn5cLwedq0XNzVGqnJW/knSjesfllt1Lv 79uUfXv6Yx3fXmG4Q6PVa++G4MXoccjEwndr83XrG7rTZ1nF1qUrQGYjZduLiT8M q7wCPGLXADYuDhV4ewN/SLlvfSR2oohcpbJ1f+a4eSXDbeq0jcN8YbT7+geY0tKc iXTuTVuPZSI=

----END CERTIFICATE-----



Actual installation in Mozilla Firefox browser:

Menu -> Options -> Privacy & Security -> Certificates -- View certificates ...

Choosing the tab Authorities and pressing Import

	Certificate Manager	>
Your Certificates People Server	Authorities Others	
You have certificates on file that identify the	e certificate authorities	
Certificate Name	Security Device	E.
⊿AC Camerfirma S.A.		*
Chambers of Commerce Root - 2008	Builtin Object Token	
Global Chambersign Root - 2008	Builtin Object Token	
⊿AC Camerfirma SA CIF A82743287		
Camerfirma Chambers of Commerce Root	Builtin Object Token	
Camerfirma Global Chambersign Root	Builtin Object Token	
a ACCV		
ACCVRAIZ1	Builtin Object Token	
⊿ Actalis S.p.A./03358520967		
Actalis Authentication Root CA	Builtin Object Token	
⊿AddTrust AB		-
View Edit Trust Import E	port <u>D</u> elete or Distrust	
		OK
		OK

In displayed window "Open file" select the file OTECA.pem.

Next step is to choose what type of identification is this Authority valid for:

Downloading Certificate	
You have been asked to trust a new Certificate Authority (CA).	
Do you want to trust "OTECA" for the following purposes?	
Irust this CA to identify websites.	
Trust this CA to identify email users.	
Trust this CA to identify software developers.	
Before trusting this CA for any purpose, you should examine its certificate and its policy and procedures (if available).	
View Examine CA certificate	
OK Cancel	

- Marking the first checkbox – *Trust this CA to identify websites*, and pressing OK will finish the import.

2.2.2 Dissabling IPV6 DNS in Mozilla Firefox browser

In some specific configuration e.g. company network using WPAD, PKI component could not work more. Even after the above stated import of authority it is not possible to detect PKI component. Then, you need to change the browser's system settings by disabling searches of IPv6 in DNS.

The procedure is only recommended for experienced users because you need to change the settings in the Firefox system editor:



- 1) In address bar of the browser, type *about: config* and press *Enter*.
- 2) Accept an entry warning only for experienced users
- 3) Find "*network.dns.disableIPv6*" and double-click this item to change the value from *false* to *true*.
- 4) The bookmark can be closed, the settings are saved.

2.2.3 Configuring web browser Microsoft Edge

In the case of problems with detection of installed OTE PKi Klient in the browser Microsoft Edge *(forbidden communication web applications and local programs)*, run the Command line as administrator:

- Windows MENU Search programs and file type in CMD
- Consequently pressing right button of the mouse on cmd.exe and choosing *Run as administrator* will open window with command line. Type in following text:



- Choose Run as administrator, type admin Login and Password
- into new CMD window type this structure:

CheckNetIsolation LoopbackExempt -a -n="Microsoft.MicrosoftEdge_8wekyb3d8bbwe"

- pressing enter will execute modifications and the browser is now ready to use

2.2.4 Configuration of CS OTE portal

Communication CS OTE portal with OTE PKi Client is done through Local Storage. If it is forbidden to save *Browsing history*, it is necessary to perform the steps below every time launching the browser.

If the case the Local Storage was initialized for usage with certificates PKCS#12 (software cer.), it is necessary to deconfigure it first.

All the settings stated below must be performed for every web-browser and/or every user profile in operating system.



-

2.2.5 Deleting already initialized Local Storage for SW certificates

- login page to CS OTE - press the button Settings of certficates

OTE-Wr			VV 🕃
» Login		Certificate registration	Settings of certificates
Digital signature of this statement will allow you to log in to CS OTE portal.	-		
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page Settings of certificates - press the button Delete password

OTE-W-	- V 🕞
» Settings of certificates	🔘 Back to login page
Sassword to local certificate storage	
Password * OTE PKI is installed. It will he used if the local storage will be canceled by choosing "Delete password". OK 1 Delete password)	
Contact	
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- in continuity to finish installation confirm the dialog box informing about deleting the Local Storage

Web portal.test.ote-cr.cz		
The password and all imported certific deleted. The certificates must be imported really continue?	ctaes in local storag orted again to sign.	e will be Do you want
	ОК	Zrušit

2.2.6 Pairing web application and the component

After entering *Settings of certificates*, if the Local Storage is not used, automatically appears **Pairing dialog** (OTE PKI Client). In the web browser is shown section **Pairing PKi Client**, where the pairing code should be copied to.



Settings of certificates Pairing of PKI Client Client ID Pair Intibalization of local certificate storage Contact		OTE PKI client - The pairing code The pairing code 9a4b1caf-41c5-4e57-2218-6260f8b042e4 Close		
>> Settings of certificates Pairing of PKI Client Client 1D Pair Pair Thitalization of local certificate storage Contact	OTE-W-		A A	3
Pair of PKI Client Client ID Pair To Contact Contact	» Settings of certificates		Back to	o login page
Client ID Pair Pair Contact Contact	🥥 Pairing of PKI Client			
Pair > Initialization of local certificate storage Contact	Client ID			
Pair D Initialization of local certificate storage Contact				
Contact	Pair)			
Contact	Initialization of local certificate storage			-
Contact				
	Contact			

Inserting pairing code and pressing **Pair** will open web page with overview of all certificates in the Storage of operation system.

Activation process of OTE PKi Client is done.

In the case of not viewing **Pairing dialog** automatically, it is possible to open it manually: in Taskbar do right click (of the mouse) on the icon OTE PKI Client and choose **Open pairing dialog**.



Pressing Back to login page and Sign enable to access CS OTE Portal.

OTETEST	Request for sign	
» Login	Signing certificate cert_WIN10 [Valid to: 11/07/2018 13:31:30]	Certificate registration Settings of certificates
Digital signature of this statement will allow you to log in to CS OTE po	Subject: CN=cert_WIN10, OU=Persons, 0=OTE, C=CZ Validity: 11/07/2016 13:31:30 - 11/07/2018 13:31:30 Serial number: 00b1c58131b345cfe121d Issuer: CN=otecadevtest, OU=PKI, 0="OTE, a.s.", C=CZ 4 OK 0 Close 0	
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Local Storage is not used and OTE PKi Client is already installed. Before you pair web-browser with OTE PKi Client pressing **Sign** will evoke viewing window:



2.2.7 Switchover from OTE PKI component to local certificate storage

a) On the CS OTE portal login page, select the *Settings of certificates* button:

OTE-M-		V V 📀
» Login	Certificate registration	Settings of certificates
Digital signature of this statement will allow you to log in to CS OTE portal.	_	
Contact ©2018 OTF, a.s., all rights reserved		OTE∿r

iettings of certificates	Balancia de la companya de	ack to login p
OTE PKI Component		
Native signing component	You can start downloading of signing component by clicking on the button "Install".	e the corre
	bit version, please. The signing component (32 bit version) to download <u>HERE</u> . The signing component (64 bit version) to download <u>HERE</u> .	
Current certificates in storage of operati	bit version, please. The signing component (32 bit version) to download <u>HERE</u> . The signing component (64 bit version) to download <u>HERE</u> . The signing component (64 bit version) to download <u>HERE</u> .	
Current certificates in storage of operati	The signing component (32 bit version, please. The signing component (32 bit version) to download <u>HERE</u> . The signing component (64 bit version) to download <u>HERE</u> . Ing system (OTE PKI Component) Valid from Valid to Serial number Certification authority	y
Current certificates in storage of operati	bit version, please. The signing component (32 bit version) to download HERE. The signing component (64 bit version) to download HERE. Ing system (OTE PKI Component) Valid from Valid to Serial number Certification authorities (14/24/45) (15/24/45)	y
Current certificates in storage of operation	Valid from Valid to Serial number Certification authority 14/24/3 15/24/3 15/24/3 16/24/3	y , x
Current certificates in storage of operati	A new indexination of y including on the best of the version, please. The signing component (32 bit version) to download HERE. The signing component (64 bit version) to do	y
Current certificates in storage of operation	the initial data of by analog on the best of the training on please. The signing component (32 bit version) to download HERE. The signing component (64 bit version) to dow	y

The existing certificates in the operating system store are displayed:



At the bottom is the *Initialization of local certificate storage* bar. Clicking this bar, entering and repeating the password will activate Local certificate storage. On the next page we are asked to add a certificate to the certificate storage.

🤘 Add new certificate			
Certificate's PRIVATE KEY - format p12/pfx	Vybrat soubor Soubor nevybrán		
Password of the certificate's private key *			
The private key is not uploaded on server into CS OTE system. It is store	d in local storage of your browser only and it is protected by PKCS#12 file.		
Add		-	

3 Settings of local certificates storage

Local certificates storage preserves certificates for data signing. Storage is primarily for users who use modern web browser (Google Chrome, Microsoft Edge) for data signing.

3.1.1 Management of local certificates storage

Press "Registration" item in menu, then "Certification management", "Settings of local certifications storage".

Registration	
Master data	
Certificate management	List of all certificates
Mobile access	Certificate activation
Administration	Settings of local certificates storage
OTE News	

If you are log in for the first time, enter your password which you want to use for local certificate storage access. Press "Save" button, then you will be redirected to local certificates storage.

OTE-\/	
» Settings of certifi	cates 🔤 🗮 😈 Back to login page
Password set You do not have signing.	ting for local certificate storage appassword set yet. To work with local certificate storage, you have to set its password. Please set it in this form. You will need this password for data
New password Confirm new passwo	rd =
Installation of the OT Save	E PKI Client package can be started after downloading from the <u>workstation settings</u> page.

If you already have your password to the local certificates storage, just enter the password. Press "Ok" button, then you will be redirected to local certificates storage.



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() 🔒 https://p	portal.test. ote-cr.cz /ote	market/prodis/LocalCo	ertificateStorage.jsf?commodit	y=1&group=NO		C Q Hlede	at
OTE-\/	Markets Markets	ELECTRICITY	GAS	Logged:	Bc., Pavel Hrebicek - 1 🌑 19.01.201	7 11:14:05	ی 😔
Registration	BM DM	IM/BalM	RRD CDS	CDP POZE	GO Risk Manag. Claims	Reports System	
					•	Inbox	Help
e Password	to local certificate st	torage					
Password *	_						
Ok	Delete passwo	ord 🕨					
Contact Up	News Print page						
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3.1.2 Insert certificate to local certificates storage

Press "Procházet" button and choose certificate which you want to import to local certificates storage. Then enter password which is provided with a certificate and press "Add" button.

OTE market		× +	_										
🗲 🛈 🖴 https:/	/portal.test. ote	-cr.cz/otemark	et/prodis/LocalCert	ificateStorage.j:	sf?commodit	y=1&group=N)					C Q Hle	dat
OTE-W-	Markets Imbalance	es 🕨	ELECTRICITY	G	AS SAS	•	Logged:	Bc., Pa	vel Hrebicek - 1	9 19.01.20	17 11:15:27	VV	۵ 🕄
Registration	BM	DM	IM/BalM	RRD	CDS	CDP	POZE	GO	Risk Manag.	Claims	Reports	System	
										5		Inbox	🔾 Help
🤘 Importec	l certificates i	in local stora	ge										
	Default certi	ficate	DN	Valid fro	m	Valid to		Serial numb	er		Certification	1 authority	
Show certificat	e selection wh	ien signing	V										
🤘 Add new	certificate												
Personal certific Add * Password is re	ate	Procházet	Soubor nevybrán	1. d by the passv	word.								
e Password	d change for	local certifica	ite storage										A
Current password New password Confirm new pa	rd * * assword * Delete	e password '											
Contact Up	News Prin	t page											
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If an import was successful, you should see your certificate in "Imported certificates in local storage" section.

OTE market		× +											
🛈 🔒 https://p	oortal.test. ot	e-cr.cz/otemark	et/prodis/LocalCe	rtificateStorage.jsf?	commodity=18	&group=NO						C ^I Q, Hlee	dat
OTE-\/	Markets Imbalan	ces)	ELECTRICITY	GAS		•	Logged:	Bc., Pav	el Hrebicek - 1	9 19.01.2	017 11:16:56	V V	ی
Registration	BM	DM	IM/BalM	RRD	CDS	CDP	POZE	GO	Risk Manag.	Claims	Reports	System	
	_				_	_				_		Inbox	👌 Help
🤘 Imported (certificates	in local stora	ge										
	De	fault certificate	2	DN		Valid f	rom	Valid to	Serial n	umber	Certi	fication authori	ty
Remove		۲	C=CZ, O=OTE, C	U=Persons, CN=ote	cert_SW	11/22/2016 1	2:17:53 11/	22/2018 12:17:53	174ef2c01d40	19ebdf7d C:	=CZ, O=OTE, a.s.,	OU=PKI, CN=ote	cadevtest
Show certificate	selection wi	hen signing											
🤘 Add new c	ertificate												
Password *	6												
Personal certificat	te (Procházet	otecert_SW.p1	2									
Add * Password is reg	Certifi uired in case	icate succes	sfully loaded	ted by the passwo	rd.								
🤘 Password	change for	r local certifica	te storage										
Current password	*												
New password *													
Confirm new pas	sword *												
· · · ·													
Save	Delet	te password 🕨											
Contact Up	News Pri	int page											
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3.1.3 Remove certificate from local certificates storage

Press "Remove" button in "Imported certificates in local storage" section.



OTE market	× +	-							
€ i) ▲ https://p	portal.test. ote-cr.cz /ot	emarket/prodis/LocalC	ertificateStorage.jsf?commodi	ty=1&group=NO				C Q H	ledat
OTE-₩-	Markets Imbalances	ELECTRICITY	GAS	Logged	l: Bc., Pav	rel Hrebicek - 1 🍧 19.0:	1.2017 11:17:39	VV	ی چ
Registration	BM DM	IM/BalM	RRD CDS	CDP PO	ZE GO	Risk Manag. Claim	s Reports	System	
								Inbox	U Help
🤘 Imported	certificates in local	storage							<u>~</u>
Remove	Default certi	ificate C=CZ, O=OTE,	DN OU=Persons, CN=otecert_SW	Valid from 11/22/2016 12:17:53	Valid to 11/22/2018 12:17:53	Serial number 174ef2c01d4019ebdf7d	Certi C=CZ, O=OTE, a.s.,	fication autho OU=PKI, CN=o	rity tecadevtest
Show certificate	selection when signin	ng 🔽							
🤘 Add new d	ertificate								<u>~</u>
Password * Personal certifica Add * Password is req	te Procház	zet otecert_SW.p1	12 ted by the password.						
e Password	change for local cer	rtificate storage							<u>~</u>
Current password *	d *								
Save	Delete passw	vord 🕨							
Contact Up	News Print page								
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Press "OK" button

Do you realy want to delete the certificate from local storage?

If deleting certificate was successful, you shouldn't see your certificate in "Imported certificates in local storage" section.

3.1.4 Removing expired certificates from local storage

Clicking Settings of certificates on login page to CS OTE cause running detection of expired certificates. In the case your Local Storage contain some expired certificate the system will announce it by displaying the window:

18



Action confirmation		
In Local Storage there is no longer valid certificate/s which can to remove it/them from LS?	not be used for signin	ig more. Do you want
	Yes 🔸	No

Clicking "Yes" we might remove expired from local storage directly. Choosing "No" will not perform any action.

After that content of local storage is normally displayed.

3.1.5 Choose primary certificate

If you have more than one certificate in your local certificates storage, you should choose your primary certificate. This certificate will be used for data signing, when you uncheck "Show certificate selection when signing" option.

DTE market		× \ +											
(i) 🔒 https://p	portal.test. o	ote-cr.cz/otem	arket/prodis/Local	CertificateStora	ge.jsf?commodit	y=1&group=N	10						
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3.1.6 Change password for local certificates storage access

Enter your current password in "Password change for local certificate storage section. Then enter your new password and confirm this password. Press "Save" button. If change password was successful, you should see Password successfully changed.



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Add * Password is required	d in case of personal ce	rtificate is protect	ed by the password.								
Password cha	nge for local certificat	te storage							-		
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Save	Delete password										
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3.1.7 Forgotten password for local certificates storage access

Press "Registration" item in menu, then "Certification management", "Settings of local certifications storage".



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Press "Delete password" button. All your certificates will be deleted from local certificates storage, if you are deleting your password!

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Press "OK" button.

When you delete the password also all stored certificates will be deleted. Do you realy want to delete it?



Then you will be redirected to screen, where you enter your new password for local certificates storage access. Press "Save" button and then you will be redirected to local certificates storage.

4 **Re-registering the Certificate after validity expires**

Accessing CS OTE portal after validity end-date of Certificate with company ID

1) New certificate with the same company ID, as expired one, upload into *Local Machine Store*, respectively into *) *Certificate Manager* of used web-browser.

*) web. browser: MENU – Settings – Certificates – Manage certificates – Personal cert. – upload new certificate

2) On login web-page to portal CS OTE please press the button *Certificate registration*:

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» Login	Certificate registration	Settings of certificates
You have you been successfully logged out.		
Digital signature of this statement will allow you to log in to CS OTE portal.		
Sign		

- pressing *Sign* on the next page will continue in re-registration process
- dialog box "**Request for sign**" is shown. All sign certificates registered in Local Machine Store are visible there. Choosing the new one and pressing **OK** will result in new web page with information about User and Certificate.
- If all viewed information is correct, we can finish re-registration process by pressing

Viewing notice on the next page - *The certificate was successfully registered.* informs about ending the process correctly. Now i tis possible to use this certificate as usual.

5 Instruction for the first access to the production environment of OTE-COM application

Access to the OTE-COM production environment is possible by following two ways:

1. Application OTE- COM (Fat client)

2. Direct access to AMQP server from market participant's server (Automatic communication)

5.1 Application OTE-COM Launcher Manager

First, it is necessary to download and install the production version of OTE-COM Launcher Manager (LM) for Electricity (A) or for Gas (B) which allows run of the production version of OTE-COM application.

- OTE-COM Gas x64 can be downloaded in IM section under the tab OTE-COM Launcher Manager

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Win 64 bit: <u>OTE-COM Gas x64</u>															
Manual for inst OTE-COM Laur	allation of OTE cher Manager	-COM Gas Launc <u>Manual</u>	her Manager w	hich allows you	to lauch the OT	rE-COM Gas app <mark>l</mark> i	cation is availa	able for downloa	ad <mark>here</mark> :						

- OTE-COM Electricity x64 can be downloaded in IM section under the tab OTE-COM Launcher Manager

Registration	DM	IM	RRD	CDS	CDP	POZE	GO	Risk Manag.	Claims	Reports	System			
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9 OTE-COM Launcher Manager														
Please use OTE	E-COM Power a	pplication for ac	cess IM, downlo	ad here:										
Win 64 bit: <u>OTE-COM Electricity x64</u>														
Manual for inst OTE-COM Laur	Manual for installation of OTE-COM Power Launcher Manager which allows you to lauch the OTE-COM Power application is available for download here: OTE-COM Launcher Manager Manual													

- Manual for installation of OTE Launcher Manager can be downloaded <u>here</u>.
- Communication of the application goes through http/https protocol which in normal cases does not cause any trouble. However, complications may occur if market participants use the proxy server. In this case it is necessary in the OTE-COM Launcher Manager settings (clicking the button O) set the HTTP proxy and allow access to <u>http://www.ote-cr.cz</u> and <u>https://portal.ote-cr.cz</u>, respectively contact your IT department and ask them about settings.



- Please note that it may be needed to allow direct access to URL amqp.ote-cr.cz (IP 91.209.101.43), port 5671 in the infrastructure of the market participant.
- Each participant, who is accessing CS OTE Portal with the personal certificate, has the access to applications OTE-COM (through LM) with same certificate. In terms of personal certificates, there is no need to change anything on the market participants' side.
- Information about installation of the root certificates, that has to be installed to access the OTE- COM application, can be found in the manual of OTE Launcher Manager.

5.2 Access to AMQP server from market participant's server (Automatic communication)

• Communication for OTE-COM LM:

- Electricity (A) goes through URL amqp.ote-cr.cz (91.209.101.43), port 5671, virtualhost = market.

- GAS (B) goes through URL amqp.ote-cr.cz (91.209.101.43), port 5671, virtualhost = marketGAS

- Supported TLS interface: version 1.2.
- For this type of communication is necessary for market participants to implement appropriate interface according the <u>specification</u>. Templates for OTE-COM messages are available <u>here</u>. In this case it is not used functionality of the proxy.
- For this communication is used AMQP protocol, which does not support HTTP / SOCKS proxy configuration on the market participant side. In this case it is necessary to ask IT department.
- Each participant, who is accessing CS OTE Portal with the personal certificate, has the access to AMQP server (through Automatic communication) with same certificate. In terms of personal certificates, there is no need to change anything on the market participants' side.
- Information about installation of the root certificates, that has to be installed to access the OTE- COM application, can be found in the manual of OTE Launcher Manager.