SETCCE

User Manual SETCCE proXSiqn[®] component v2.2 for WIN OS

[New generation of SETCCE proXSign[®] component]

Document identification: N/A Document version: 22 Document authors: Tina Zagmajster, Helena Ostanek Document status: / Document last change date: 08.06.2023

CONTENT AND COPYRIGHT

ProXSign[®] is a product developed by **SETCCE**. Possession or distribution of **proXSign**[®] products without a license is illegal. To obtain your license please contact your service provider who uses **proXSign**[®] component within the service you are using. If you are interested in buying a license for integration into your solution, please contact SETCCE.

The content of this document is copyrighted entirely by SETCCE. No distribution or copying is allowed without the permission of SETCCE. SETCCE, SETCCE logos, and SETCCE product names are registered trademarks by SETCCE. Copying and usage of logos and product names are not allowed prior to SETCCE approval.

About SETCCE

SETCCE is the leading regional provider of specialized solutions and services for business process dematerialization. We have pioneered in local as well as in international markets with technologies that deliver trust in e-business and e-government services, and comply with the most demanding legislative requirements.

Working with industries such as telecom, finance, and the governmental sector, SETCCE delivers a range of products and services covering the fields of:

- Electronic invoicing
- Electronic archiving
- Electronic signing
- PKI and information security

Contacts SETCCE d.o.o. Tehnološki park 21 SI-1000 Ljubljana Slovenia Europe Web: <u>www.setcce.com</u>

INDEX

1.	New generation of SETCCE proXSign [®] component
2.	Supported environment
	2.1. Supported environment
3.	requirements
	3.1. Communication port
	3.2. Virtualized/multiuser environments
	3.3. Import a personal digital certificate
	3.4. »SETCCE proXSign« digital certificate
	3.4.1. How to install »SETCCE proXSign« digital certificate
	3.4.2. Automatic renewal of »SETCCE proXSign« digital certificate
	3.4.3. How to check if the »SETCCE proXSign« digital certificate is trustworthy 9
4.	Installation and upgrade10
	4.1. Install SETCCE proXSign [®] component11
	4.1.1. Silent installation12
	4.1.1.1. Silent installation without running the component
	4.1.2. Standard installation12
	4.2. Autoupdate14
	4.2.1. Autoupdate15
	4.2.2. Autoupdate in a highly secured control environment
	4.3. Check for updates15
5.	Removing SETCCE proXSign [®] component16
	5.1. Stadnard uninstall16
	5.2. Silent uninstall17
6.	Start SETCCE proXSign [®] component
	6.1. Start
	6.2. Autostart
7.	Graphical User Interface and Settings in SETCCE proXSign component19
	7.1. Main graphical user interface and Certificates section
	7.2. Settings
	7.2.1. Autostart21
	7.2.2. Show expired certificates21
	7.2.3. Allow duplicate certificates21
	7.2.4. Autoupdate22
	7.2.5. Check for Updates23
8.	Quit (Stop) SETCCE proXSign [®] component24
9.	Installing a digital certificate25
	9.1. Is your personal digital certificate installed on your computer?25
	9.2. Is your root certificate installed on your computer?27
	9.3. How can you find/check or install a digital certificate in the Windows digital store?

1. NEW GENERATION OF SETCCE PROXSIGN® COMPONENT

The **SETCCE proXSign**[®] components provide digital signing, encryption/decryption, and time stamping of your documents.

The new generation of **SETCCE proXSign**[®] v2 has been developed as a response to the limited plug-in support by the majority of browsers. **SETCCE proXSign**[®] v2 overcomes issues raised by the limited access to the certificate store and crypto functions in Firefox v 33 and higher, as well as issues related to limited plug-in access to the system functions in Google Chrome and Microsoft Edge.

SETCCE proXSign v2 innovative concept provides a solution, which is browser-independent as it works in all popular browsers.

The new proXSign® component is installed as a desktop application that runs as a background process. Features like »Autoupdate«, »Autostart« and »Check for Updates« are configurable in the graphical user interface. You can also always check if the component is running.

The advantages of the **SETCCE proXSign**[®] v2 are:

One component for all functionalities (signing of PDF and XML documents, timestamping)

- Support for all popular browsers,
- Users can use different browsers and only one digital certificate store,
- Single installation for all browsers,
- Autoupdate.

For assistance with installation or use of SETCCE proXSign v2 please first contact the service provider (i.e. online banking, governmental services, etc.), and then the SETCCE support.

2. SUPPORTED ENVIRONMENT

2.1. Supported environment

Operating system (OS)	Browser ⁽¹⁾
Windows 7 SP1 ⁽²⁾ , 8.1,10,11	Internet Explorer v11 Microsoft Edge from v86
	Mozilla Firefox; from v60 Google Chrome; latest stable channel version
Notes: ⁽¹⁾ Due to security reasons use t ⁽²⁾ Due to security reasons, all V (https://support.microsoft.com <u>updates-for-windows-7</u>) should is not supported anymore by M	the latest browser version and latest Windows updates. Vindows 7 users without ESU support <u>/en-us/help/4527878/faq-about-extended-security-</u> l upgrade their system to Windows 10 since Windows 7 icrosoft (<u>https://www.microsoft.com/en-</u>

us/windows/windows-7-end-of-life-support-information)

3. REQUIREMENTS

3.1. Communication port

Browsers communicate with SETCCE proXSign[®] component over one of the following unused ports:

- 14972,
- 41472,
- 57214,
- 61427.

To run SETCCE proXSign[®] component in your environment, you have to ensure that one of the listed ports is unused.

3.2. Virtualized/multiuser environments

In virtualized/multiuser environments like Citrix or RDP, the number of unused ports must be the same as the number of concurrent users in your system.¹

For proXSign[®] to work as expected, the web application has to be adjusted also.

Note:

- For best performance of proXSign[®], use Mozilla Firefox or Google Chrome browsers. You can run initial performance tests on different browsers by using: <u>https://eperostarttest.setcce.si/proxsign/Demo Test Ports.htm.</u>
- When using digital certificates on smart cards/USB keys, the limitations may apply;
 - \circ $\:$ See Citrix and Microsoft RDP documentation for details.
 - $\circ~$ Check at your certification authority if their smart cards/USB keys are supported in virtualized environments.
- Set Autostart option for all users during the installation process.

3.3. Import a personal digital certificate

Along with the Root and Intermediate digital certificate, your digital certificate has to be installed in Windows or Mozilla Firefox certificate store. You can have your digital certificate issued on a smart card or smart USB key. See chapter 9 for details. For additional help, please turn to your Certificate Authority.

3.4. »SETCCE proXSign« digital certificate

SETCCE proXSign[®] component provides a higher level of security to its user by encrypting the communication between the component and the browser.

Therefore digital certificate **»SETCCE proXSign**« issued by SETCCE d.o.o. has to be installed on your computer as a trustworthy certificate.

¹ List of ports: See [C:\Program Files (x86)]\SETCCE\proXSign\etc\proxsign.ini].

»SETCCE proXSign« digital certificate is dynamically created for each user on the computer (current user). It is valid for two years from the day it was created. Ten days before it expires, the warning dialog to install a new one appears; the user has to confirm the removal of the old one and its installation otherwise the component won't work. At the same time, it is installed in the Mozilla Firefox user store (if the browser is installed) but without extra user confirmation.

3.4.1. How to install »SETCCE proXSign« digital certificate

When the SETCCE proXSign[®] component is launched for the first time, the following Security Warning dialog windows appear. They have to be confirmed by the user for the component to work.



Figure 1: SETCCE proXSign[®] info window

Security \	Narning	\times
	You are about to install a certificate from a certification authority (CA) claiming to represent:	
	SETCCE proXSign	
	Windows cannot validate that the certificate is actually from "SETCCE proXSign". You should confirm its origin by contacting "SETCCE proXSign". The following number will assist you in this process:	
	Thumbprint (sha1): 262CFB8C AF9CAE2E 2F33692A E18946E2 CC2ABF2A	
	Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk.	
	Do you want to install this certificate?	
	Yes No	

Figure 2: Dialog window for installing »SETCCE proXSign« digital certificate

After the user confirmation, the »SETCCE proXSign« digital certificate is automatically installed into Windows and Mozilla Firefox certificate store as a trustworthy certificate. It is installed in the current user certificate store.

In the Windows store, the digital certificate »SETCCE proXSign« is installed in »Trusted Root Certification Authorities«. See Figure 3.

termediate Certification A	uthorities Trusted Root Co	ertification Aut	horities Trusted Publ
Issued To	Issued By	Expiratio	Friendly Name
SETCCE proXSign	SETCCE proXSign	30. 11. 2	SETCCE proXSign
GTE CyberTrust Clann	GTE CyberTrust Cloba	11.00.2	DigiCert Clobal R
Equifax Secure Cer	Equifax Secure Certifi	22. 08. 2	GeoTrust
🔄 Halcom CA PO 2	Halcom CA PO 2	7.02.2019	Halcom CA PO 2
🔄 UTN-USERFirst-Obj	UT USERFirst-Object	9.07.2019	USERTrust (Cod
🔄 AddTrust External	AddTrust External CA	30. 05. 2	The USERTrust
🔄 Halcom CA FO	Halcom CA FO	5.06.2020	Halcom CA FO
🔄 Microsoft Root Aut	Microsoft Root Authority	31. 12. 2	Microsoft Root A
🔄 Thawte Premium Se	Thawte Premium Serv	1.01.2021	thawte 🗸
mport Export	Remove		Advanced
ertificate intended purpose	25		
MIS			
502			

Figure 3: »SETCCE proXSign« digital certificate in Windows store

In the Mozilla Firefox store, it is installed in »Authorities«. See Figure 4.

rtificate Manager		
Your Certificates People Servers Autho		
You have certificates on file that identif	uthorities:	
Certificate Name Security Device		₽₽
SecureTrust CA	oject Token	^
> SETCCE		
> SETCCE d.o.o		
✓SETCCE d.o.o.		
SETCCE proXSign	Security Device	
> Sistema Nacional de Certificacion Electronica		
> Sociedad Cameral de Certificación Di		
✓Sonera		~
<u>V</u> iew <u>E</u> dit Trust I <u>m</u> p	<u>D</u> elete or Distrust	
	OF	(

Figure 4: »SETCCE proXSign« digital certificate in Mozilla Firefox certificate store

Important:

If you want to install the Mozilla Firefox browser on your computer, after the SETCCE proXSign[®] component has already been installed and running, you have to restart the component. The restart of SETCCE proXSign[®] component installs the SETCCE certificate into the Firefox certificate store. To refresh digital certificate data in the Mozilla Firefox browser, you must restart the browser.

See chapter 6 for restart.

2. If you **install and run the component using the Mozilla Firefox browser**, you have to **restart the browser** after a successful installation.

3.4.2. Automatic renewal of »SETCCE proXSign« digital certificate

proXSign[®] automatically verifies if its digital certificate is still time valid. Ten (10) days before its expiration, the Warning window for its renewal pops up; The old one will be deleted and the new one will be installed.

You need to confirm all steps by pressing **»Yes**« on dialog windows as shown in Figures 5,6 and 7.





Figure 6: Windows system window for SETCCE proXSign[®] digital certificate removal



Figure 7: Windows Security warning window for installing new SETCCE proXSign[®] digital certificate

3.4.3. How to check if the »SETCCE proXSign« digital certificate is trustworthy

If you have any doubt that SETCCE proXSign $\ensuremath{\mathbb{R}}$ digital certificate you are installing is not from a trustworthy source, you can check it by yourself.

You need to compare Thumbprint from the Windows Security window (Figure 7) with Thumbprint of a digital certificate from %AppData%\SETCCE\proXSign\PlugoutRoot.crt (Figure 8).

When you double-click on PlugoutRoot.crt, the SETCCE proXSign[®] digital certificate will open.

ow: <all></all>	~
ield	Value
Valid from	petek, 03. junij 2022 12:59:41
Valid to	sobota, 03. junij 2023 12:59:41
Subject	SETCCE proXSign, SETCCE d.o
Public key	RSA (2048 Bits)
Public key parameters	05 00
Basic Constraints	Subject Type=CA, Path Lengt
Thumbprint	5b6e09c9c6bf825ce0f6fae543
6e09c9c6bf825ce0f6fae543	379014db611d479

Figure 8: SETCCE proXSign[®] digital certificate Thumbprint

4. INSTALLATION AND UPGRADE

SETCCE proXSign[®] component is installed as a desktop application that runs as a background process.

The features like »Autoupdate«, »Autostart« and »Check for Updates« are configurable in SETCCE proXSign[®] graphical user interface. You can also check if the SETCCE proXSign[®] component is running.

The executable program **SETCCE_proXSign_setup_<version>.exe** is signed with SETCCE digital certificate, issued by **Digicert**.

Certificate	×	Certificate	×
General Details Certification Path		General Details Certification Path	
Certificate Information	-	Show <all></all>	_
This certificate is intended for the following purpose(s):		Field Value	
 Ensures software came from software publisher Protects software from alteration after publication 		CRL Distribution Points CRL Distribution Points Certificate Policies Cartificate Policies Cartificate Policy:Polic Cartificate Policy:Poli	
* Refer to the certification authority's statement for details.		Thumbprint 91f7d76349ce643545a1	
Issued to: SETCCE d.o.o.		Extended Error Informa Revocation Status : OK. E	
Issued by: DigiCert Trusted G4 Code Signing RSA4096 SHA384 2021 CA1 Valid from 23. 02. 2023 to 28. 03. 2026		91f7d76349ce6435b45a1b4a087a12b5625625dd	
Install Certificate Issuer Statement	ŧ	Edit Properties Copy to) File
ок			ок

Figure 9: SETCCE Code signing certificate and its thumbprint

4.1. Install SETCCE proXSign[®] component

SETCCE proXSign[®] component can be installed in two ways:

- Silent installation
- Standard installation

Both installation procedures demand **administration privileges.**

Important:

Before you start with the setup procedure, make sure that SETCCE proXSign[®] component is not running on your computer (under any user on your computer). See chapter 8 for stopping the component. And make sure that Mozila Firefox browser is not running.

4.1.1. Silent installation

Silent installation can be run in two modes:

- Silent installation with autostart of the component
- Silent installation without running the component

Note: Before initiating the silent installation, please ensure that the Firefox.exe process is not running in any user profile. Therefore, all users must close the Mozilla Firefox browser.

Run the SETCCE proXSign[®] component in command prompt with the next command:

SETCCE proXSign setup <version>.exe /silent

The component will be installed in silent mode. After a successful installation, the component will start automatically. Autostart applies to all users on the system (when logging into user profile). Restriction: max 4 concurrent users.

4.1.1.1. Silent installation without running the component

Run the SETCCE proXSign[®] component in command prompt with the next command:

```
SETCCE_proXSign_setup_<version>.exe /silent /norun
```

The component will be installed in silent mode but it won't be started at the end.

4.1.2. Standard installation

Installation steps:

- 1. Log in to your user account as an administrator.
- 2. Download and save the program SETCCE_proXSign_setup_<version>.exe.
- 3. For security reasons, check the Security Warning dialog window. If the component is SETCCE proXSign[®] and the publisher is SETCCE d.o.o., then click ***Yes**«.

👽 User Account Control	×
Do you want to allow this app to make changes to yo PC?	ur
Program name: SETCCE proXSign® Setup Verified publisher: SETCCE d.o.o. File origin: L Hard drive on this computer	
Show details	
Change when these notifications ap	<u>pear</u>

Figure 10: Security warning dialog window

- 4. Before installation, close your browser(s).
- 5. Then follow the setup instructions.



Figure 11: Setup procedure of SETCCE proXSign[®] component

During the installation process, you can choose setup language, you need to agree with the license agreement, you can select the location where the proXSign® will be installed and you can select **two additional options**:

- 1. Create a desktop icon.
- 2. Automatic start for all users. Autostart applies to all users on the system (when logging into user profile). Restriction: max 4 concurrent users.



Figure 12: Option »Create a desktop icon« and »Automatic start for all users«

By choosing the option »Launch proXSign[®]«, the component is launched as soon as the installation process is finished.



Figure 13: Choosing the option »Launch proXSign« during the installation process

Note: During the launch of the component, the **»SETCCE proXSign**« digital certificate is generated and installed (or renewed). See chapter 3.4.

When the component is started the icon appears in the tray bar. By double-clicking on the icon, the SETCCE proXSign[®] main window appears, with the list of all digital certificates installed in Windows and/or Mozilla Firefox store.



Figure 14: »SETCCE proXSign« icon in the Tray bar

4.2. Autoupdate

There are two autoupdate options:

- 1. Standard autoupdate.
- 2. Autoupdate in a highly secured control environment.

Both update procedures demand administration privileges.

4.2.1. Autoupdate

The component can be updated on request or automatically (when a new release is available).

See chapter 7.2.4 in 7.2.5.

4.2.2. Autoupdate in a highly secured control environment

The internal URL address for the autoupdate package can be configured in proxsign.ini file. Proxsign.ini file is located on C:\Program Files (x86)\SETCCE\proXSign\etc.

Example default settings in proxsign.ini file:

```
[common]
update_url=http://public.setcce.si/proxsign/update/SETCCE_proXSign_update_<
version>.exe
version_url=http://public.setcce.si/proxsign/update/version
```

The upgrade package is available inside the SETCCE proXSign[®] SDK package.

4.3. Check for updates

See chapter 7.2.5.

5. REMOVING SETCCE PROXSIGN® COMPONENT

To be able to remove SETCCE proXSign[®] component from your computer you have to log in as an administrator.

5.1. Stadnard uninstall

Steps for removing SETCCE proXSign[®]:

- 1. Open »Control Panel« from the Start menu and choose »Programs and Features«.
- 2. Choose SETCCE proXSign[®] component from the list.
- 3. Right-click on it and »Uninstall«.
- 4. Confirm uninstall of SETCCE proXSign[®] digital certificate.



Figure 15: Uninstall SETCCE proXSign[®] from your computer



Figure 16: The component was successfully removed

The SETCCE proXSign[®] component is removed from your computer.

5.2. Silent uninstall

In cmd, run the fallowing command:

"[C:\Program Files (x86)]\SETCCE\proXSign\unins000.exe" /silent

6. START SETCCE PROXSIGN® COMPONENT

6.1. Start

The component itself can be started in three different ways – depending on which option is chosen during the installation process:

1. The component is already running (if you are logged in as administrator and the component was installed with an option »Launch proXSign[®]«).

In this case, check the System Tray for SETCCE proXSign[®] icon. See figure 18.

2. From **»Start**« menu: you can choose SETCCE proXSign[®] from the list or type proXSign in the search box.

Best match	
SETCCE proXSign®	
Apps	
Command Prompt	>
🚳 Settings	>
😟 Control Panel	>
 Wacom Tablet Properties 	>
Search work and web	
D pro - See work and web results	>
Folders (1+)	
Documents - This PC (1+)	
Settings (4+)	

Figure 17: Run proXSign from the Start menu



3. By clicking on the desktop icon (if the option »Create a desktop icon« was chosen during the installation process).

6.2. Autostart

See chapter 7.2.1.

7. GRAPHICAL USER INTERFACE AND SETTINGS IN SETCCE PROXSIGN COMPONENT

By double-clicking on SETCCE proXSign[®] icon in System Tray, the main proXSign GUI, with a list of all your digital certificates, will open.



Figure 18: SETCCE proXSign® icon in System Tray

7.1. Main graphical user interface and Certificates section

Residence and a second s			
Issued to	Issued by	Store	Chain Validity
 Adobe Intermediate CA 1 Adobe Intermediate CA 1 Ana Vzorec 	Cloud Technology Cloud Technology sitest-ca	Windows Windows	Not OK Not OK Not OK
 Test PO E-podpis 1 Testna Pravnaosebag2 Testno Potrdilo ACNLB Ana Vzorec Ana VzorecFirefox 	Halcom d.d. sitest-ca NLB d.d. sitest-ca sitest-ca	Windows Windows Windows Firefox	Not OK Not OK OK OK

Figure 19: Main SETCCE proXSign[®] GUI with a list of Certificates

Columns in proXSign[®] main GUI represents:

- Issued to: Common Name (CN) of your digital certificate
- **Issued by:** Issuer of your digital certificate
- Store: certificate store where your certificate is installed (Windows or Firefox)

Optional:

• **Chain Validity:** Chain validity of your digital certificate (the status if the digital certificate is revoked is not checked (CRL check)).

When Chain Validity status is »Not OK«, the digital signature with such digital certificate won't pass. The reason can lay in the expired digital certificate (or one of them in the chain is not time valid), or the certificate chain is not complete, or if one of the certificates in the chain is not Trusted (In the case of Mozzila Firefox certificate store)

The column is visible only if you set the appropriate parameter in the proxsign.ini file. You will need administrator privileges.

Steps:

- 1. Quit form proXSign[®]
- 2. Open file [C:\Program Files (x86)]\SETCCE\proXSign\etc\proxsign.ini
- 3. Change value

```
check_all_chains=false
on
check_all_chains=true
```

- 4. Save changes
- 5. Start SETCCE proXSign[®]

Example form proxsign.ini when check validity is enabled:

```
[common]
update_url=http://public.setcce.si/proxsign/update/SETCCE_proXSign_update.exe
version_url=http://public.setcce.si/proxsign/update/version
check_all_chains=true
; use_CNG : no, yes, prefer, only
use_CNG = no
```

Note:

In case the proXSign[®] is launched very slowly on your computer, you please disable Check Validity.

7.2. Settings



Figure 20: Settings in SETCCE proXSign[®] component

7.2.1. Autostart

The SETCCE proXSign[®] component supports autostart functionality. If the »Autostart« setting is configured, the component runs when you log in.

Setting »Autostart« is enabled by default.

7.2.2. Show expired certificates

If enabled, the expired digital certificates are displayed only in the main proXSign GUI, but the digital signature with expired certificates is disabled by default.

Setting »Show Expired certificates« is disabled by default.

7.2.3. Allow duplicate certificates

In case your digital certificate is installed into the Windows certificate store and in Mozzila Firefox browser, then proXSign[®] displays the same certificate from both stores, and digital signature is enabled with both certificates.

The setting »Show Expired certificates« is disabled by default.

Certificates				^
sued to	Issued by	Store	Chain Validity	-
Adobe Intermediate CA 1 Adobe Intermediate CA 1 Ana Vzorec	Cloud Technology Cloud Technology sitest-ca	Windows Windows Windows	Not OK Not OK Not OK	-
Ana Vzorec	sitest-ca	Windows	OK	
Expiration Date Issuer DN Serial No Subject DN Ana Vzorec Expiration Date Issuer DN Serial No Status Subject DN	10.03.2026 09:28 C=si, 0-state-institution 18 45 2e 2a 5d 18 91 a1 11XX C=SL 0-state-institutio sitest-ca 10.03.2026 09:28 OU-sitest-ca, 0-state-in 18 45 2e 2a 5d 18 91 a1 11XX CN=Ana Vzorec+serialN	Firefox	ок	
Ana VzorecFirefox	sitest-ca	Firefox	OK	
and the second sec	Republika Slovenija	Windows	OK	
	Financijska agencija	Windows	OK	
	Financijska agencija	Windows	OK	
	Republika Slovenija	Firefox	Not OK	
· · · · · · · · · · · · · · · · · · ·	Republika Slovenija	Windows	OK	
	Republika Slovenija	Windows	OK	
	Republika Slovenija	Firefox	OK	
second interaction in the second	Coreit	Windows	OK	
	Coreit	Windows	OK	
Ime14 Priimek14	sitest-ca	Windows	OK	
- And	SETCCE	Windows	Not OK	
	5	10° 1	~~	

Figure 21: Example of SETCCE proXSign[®] GUI when the same digital certificate is installed in Windows and Mozzila Firefox certificate store

7.2.4. Autoupdate

When the »Autoupdate« setting is checked, the proXSign[®] periodically checks (every 3 hours) if there is a new version available. If it is, the upgrade procedure is triggered.

The setting »Autoupdate« is disabled by default.

7.2.5. Check for Updates

By clicking on **»Check for updates**« proXSign[®] checks if a newer version is available. If it is, the upgrade procedure is triggered.

Certificates		Ť
Settings		^
C Autostart		
SETCCE proXSign® - updat	tes X	
Allow dupli I	p to date	
Autoupdate	ок	
🔁 Check for updates		

Figure 22: Info message if your current version is up to date

8. QUIT (STOP) SETCCE PROXSIGN® COMPONENT

We suggest running SETCCE proXSign[®] component as a background process. In this case, the component itself does not perform any activity except if it is configured to perform »Autoupdate«.

- If you want to stop the component (kill the process) click on the »Quit« ^{e Quit} button.
 See Chapter 6 for restart.
- If you want to hide or minimize the SETCCE proXSign[®] user interface, then click on in the upper right corner. In this case, the component is still running in the background and the SETCCE proXSign[®] icon is placed in the System Tray.

SETCCE proXSign®	\times
Certificates	*
Settings	^
S Autostart	
Show expired certificates	
Allow duplicate certificates	
Autoupdate	
Check for updates	
Version: 2.2.9.266	🕞 Quit

Figure 23: Options »Quit« and »Close«

9. INSTALLING A DIGITAL CERTIFICATE

9.1. Is your personal digital certificate installed on your computer?

To use SETCCE proXSign[®] component on your computer, your digital certificate has to be installed in **Windows** or **Mozilla Firefox** digital certificate store or on a smart card/USB key.

Steps to install your personal digital certificate in Windows store by Internet Explorer, Edge, Chrome on Windows OS are as follows:

- 1. Save your digital certificate on your computer.
- 2. Double click on your digital certificate and follow the instructions.

Specify the file you want to import.
File name:
C:\Users\Desktop\Janez_Novak.cer 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)

Figure 24: Installing your personal digital certificate

- 3. Then click **»Import**« and select your digital certificate. Enter the password in the dialog window and click **»OK**«.
- 4. Your digital certificate is installed in the Windows digital store, among Personal certificates, as shown in Figure 25.

		and the m		
Other People 1	ntermediate Certificatio	n Authorities Iru	isted Root Certification	
Issued To	Issued By	Expiratio	Friendly Name	
🔄 TESTNA OSEBA 🗔 Testčšž TestČŠŽ	postaca sitest-ca	15. 10. 2 28. 12. 2	<none> Testčšž TestČŠŽ</none>	
Janez Novak	sitest-ca	11. 10. 2	<none></none>	
INBOX uporabnik 2	SETCCE d.o.o.	22. 06. 2	INBOX uporabnik 2	
mport Export	. Remove		Advand	
rtificate intended purpos	es			
All>				
			View	

Figure 25: Digital certificate »Janez Novak« among Personal certificates.

Steps to install your personal digital certificate in Mozilla Firefox store by Mozilla Firefox:

- 1. Save your personal digital certificate on your computer.
- 2. Open Mozilla Firefox and go to Options/Advanced/View Certificates/Your Certificates.
- 3. Then click »Import« and select your certificate. Enter the password in the dialog window and click »**OK**«.
- 4. Your personal digital certificate is installed in the Mozilla Firefox certificate store, among Personal certificates, as shown in Figure 26.

ur Certificates People S You have certificates fron	ervers Authorities Other	s identify you:		
Certificate Name	Security Device	Serial Number	Expires On	E
✓SETCCE INBOX uporabnik 2	Software Security Dev	01:03	nedelja, 22. juni	j 2025
INBOX uporabnik 1	Software Security Dev	01:02	nedelja, 22. junij	j 2025
<u>V</u> iew <u>B</u> acku	p Bac <u>k</u> up All	l <u>m</u> port <u>D</u> e	elete	

Figure 26: Digital certificate »Inbox uporabnik« among Personal certificates in Mozilla Firefox.

9.2. Is your root certificate installed on your computer?

To use SETCCE proXSign[®] component, you also have to install the root certificate of the Certification Authority who issued your digital certificate.

You have to install a root digital certificate into Windows digital store in »Trusted Root Certification Authorities«, as shown in Figure 27.

intermediate Certificatio	on Authorities Trusted	Root Certifi	cation Authorities	Trusted Pub
Issued To	Issued By	Expiry D	Friendly Name	1
SETCCE ePero	SETCCE ePero	19/08/2	SETCCE ePero	
SETCCE_KIWI	SETCCE_KIWI	31/07/2	<none></none>	
🔄 SI-CA Root Test	SI-CA Root Test	09/07/2	SI-CA Root T	
🔄 sigen-ca	sigen-ca	29/06/2	Sigen-CA	
SIGEN-CA G2	SIGEN-CA G2	25/04/2	<none></none>	
🔄 sitest-ca	sitest-ca	08/07/2	<none></none>	
🔄 sitest-ca	sitest-ca	03/12/2	<none></none>	
🖬 SI-TRUST Root	SI-TRUST Root	25/12/2	SI-TRUST Root	
Starfield Class 2	Starfield Class 2 C	29/06/2	Starfield Clas	
Starfield Root C	Starfield Root Cert	01/01/2	Starfield Root	
Import Expo	rt Remove			Advance
Certificate intended pur	poses			
Client Authentication, C	ode Signing, Documen	t Signing, En	crypting File	
System, Secure Email,	OCSP Signing, Server	Authenticatio	on, Time Stamping	View

Figure 27: Root certificate »SI TRUST Root« in Trusted Root Certification Authorities« in the Windows store.

In the Mozilla Firefox certificate store, you have to install a root digital certificate into »Authorities«, as shown in Figure 28.

Certificate Manager						
Your Cer	rtificates Pe	ople	Servers	Authorities	Others	
You have ce	ertificates on file	that identify	these certifie	cate authorities	2	
Certificate	Name				Security Device	
✓Republika SI SI-TRUST	lovenija Root				Software Security Device	^
sigen-ca -	- Republika Slovenij	ja			Software Security Device	
SECOM Trus	st Systems CO., LTD.	a company				
Security C	Communication EV	RootCA1			Builtin Object Token	
Security C	Communication Ro	otCA2			Builtin Object Token	
SECOM Trus	st.net					
Security C	Communication Ro	ot CA			Builtin Object Token	
SecureTrust	Corporation					
SecureTru	ust CA				Builtin Object Token	
View	Edit Trust	Import	Export.	Delete o	r Distrust	
						OK

Figure 28: Root certificate »Sigen-ca« in »Authorities« in the Mozilla Firefox store.

9.3. How can you find/check or install a digital certificate in the Windows digital store?

The digital certificate can be installed as described in chapter 9. In addition to that, you can also follow the installation steps described below.

Installation steps:

- 1. Open Internet Explorer.
- 2. Press »Alt + X«.
- 3. From the **»Tools**« drop-down menu choose **»Internet Options**«.
- 4. Choose tab Content« and option »Certificates«.

				-	ĺ
General S	ecurity Privacy	Content Connections	Programs	Advand	e
Certificate	use certificates	for encrypted connection:	s and identif	ication.	
Cle	ear SSL state	Certificates	Publish	ers	
AutoComp	lete				_
	AutoComplete si on webpages an for you.	tores previous entries ad suggests matches	Setting	gs	
Feeds and	Web Slices				_
	reeds and web content from we read in Internet programs.	Sices provide updated bisites that can be Explorer and other	Settin	gs	

Figure 29: Find »Certificates« among »Internet options« in the Windows store.

- 5. The dialog window shown in Figure 29 will pop up.
 - You can find your certificates under the tab **»Personal**«.
 - You can find your root CA certificates under the tab »Trusted root Certification Authorities«

Digital certificate installation procedure:

- To install your personal digital certificate choose tab **»Personal**« then press **»Import**« and follow the steps from chapter 9.1.
- To install root CA digital certificate select the tab ***Trusted root Certification Authorities**« then press ***Import**« and follow the steps from chapter 9.2.