

Instruction for certificate installation on cryptographic card

Certum Code Signing





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1 Product description

The **Code Signing** certificate is used for digital signing of code as well as already developed and installed applications. The certificate is stored on a cryptographic card so both the code as well as already developed applications can be signed using common tools, such as *signtool.exe* and *jarsigner*.

The instruction provides description of the path for certificate installation on cryptographic card.

2. Software installation

You will need the **proCertum CardManager** application, version **3.2.0.151** or higher for proper running of the Code Sign. You can download it from the website:

http://certum.eu/certum/cert,offer_software_and_libraries.xml#

The procedure for installation of **proCertum CardManager** is as follows:

1. Download the latest version of the application from Certum website.
2. Activate the downloaded installation wizard.
3. Activate the installation wizard and click the button **Next**.
4. On the screen that will follow select “**I accept the terms of licence agreement**” and then click Next.
5. On the next screen select the path for installation of the application and then click **Next**.
6. On the screen that will follow click the **Install** button.
7. Restart your computer when the installation is finished.

3. Storing the certificate on the card

Upon completion of the entire **activation** process upload the **certificate** to the **card** on which the **keys** were generated (points 10-12), here is how to do it:

1. In Certum Store go to the “Certificates' management” tab

Serial Number	Certificate profile	Email	Common name	Valid from	Expire date	Status
20535f4fa4bd7 8385e3e9ee1a1 aac9fc	EV Code Signing		Asseco Data Systems S.A.	February 2, 2017 10:26:31 AM	February 2, 2018 10:26:31 AM	Valid

2. Find the **certificate** for which the **key pair** was generated and click this certificate

Serial Number	Certificate profile	Email	Common name	Valid from	Expire date	Status
20535f4fa4bd7 8385e3e9ee1a1 aac9fc	EV Code Signing		Asseco Data Systems S.A.	February 2, 2017 10:26:31 AM	February 2, 2018 10:26:31 AM	Valid

3. Click “Save binary”

Serial Number	Certificate profile	Email	Common name	Valid from	Expire date	Status
20535f4fa4bd7 8385e3e9ee1a1 aac9fc	EV Code Signing		Asseco Data Systems S.A.	February 2, 2017 10:26:31 AM	February 2, 2018 10:26:31 AM	Valid

Hash function: SHA-2

Common name: Asseco Data Systems S.A.

Organization: Asseco Data Systems S.A.

Certificate chain

Revoke

Install online

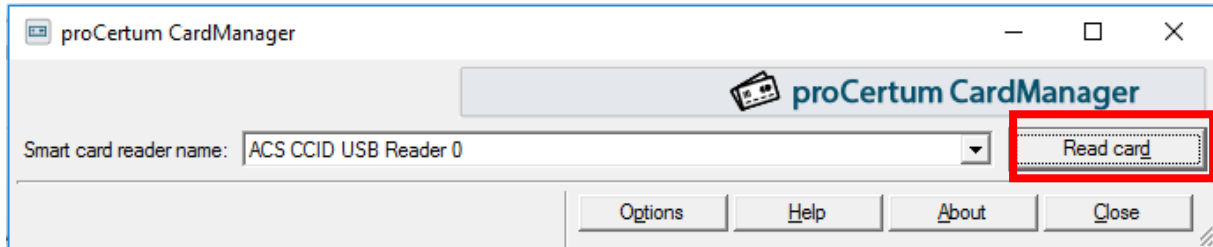
Renew

Save binary

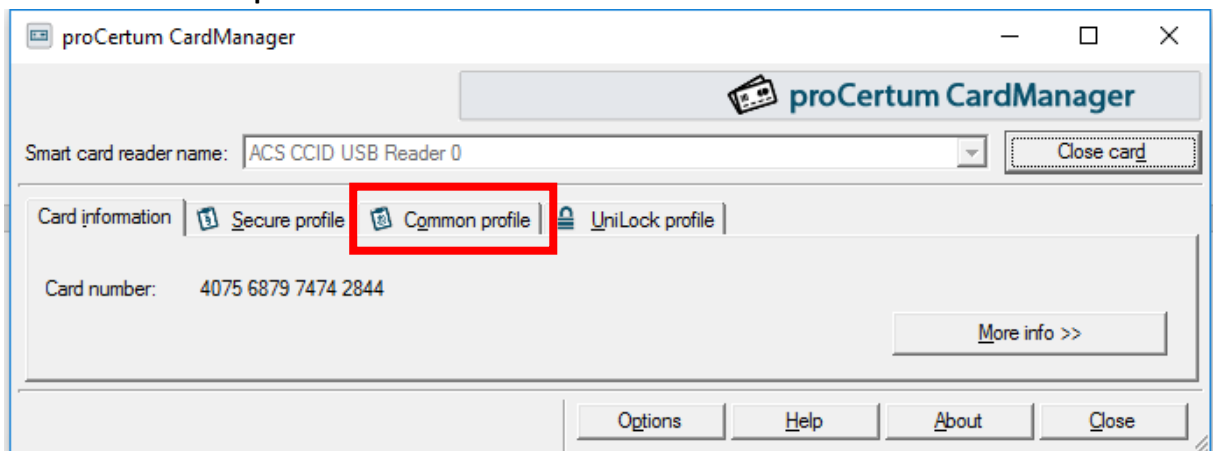
Save plain

Reissue

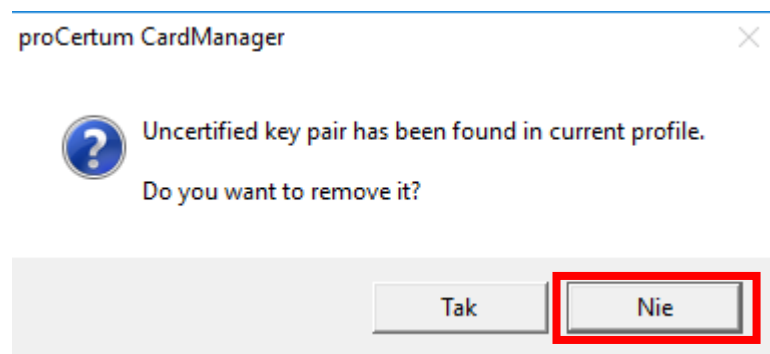
4. Store the **certificate file** to your computer hard drive.
5. Open **proCertum CardManager**.
6. Select the right **reader** (if more readers are configured) and click **“Read card”**.



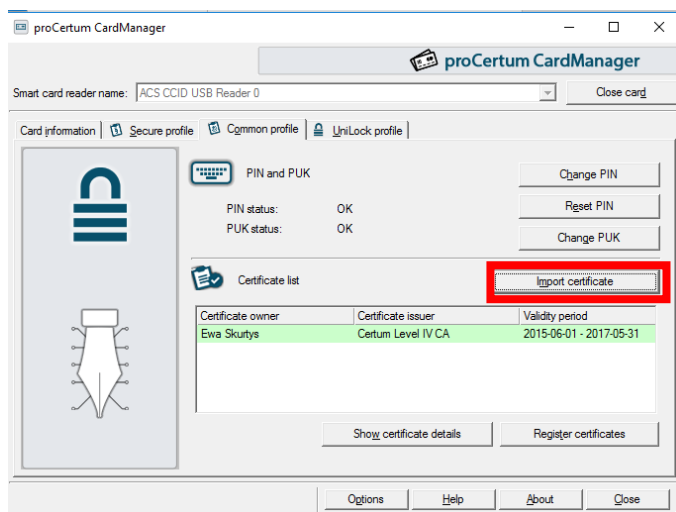
4. Go to the **“Common profile”** tab



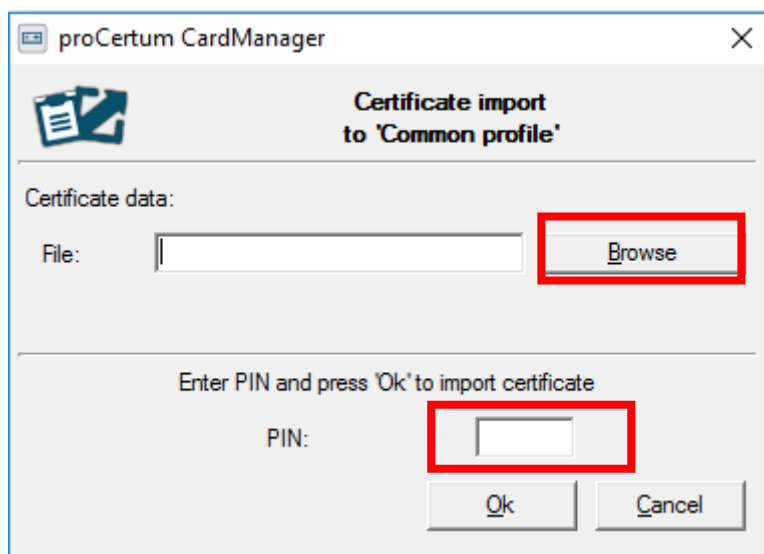
5. If the message on **uncertified keys** stored on the card appears on the screen, click **“No”**



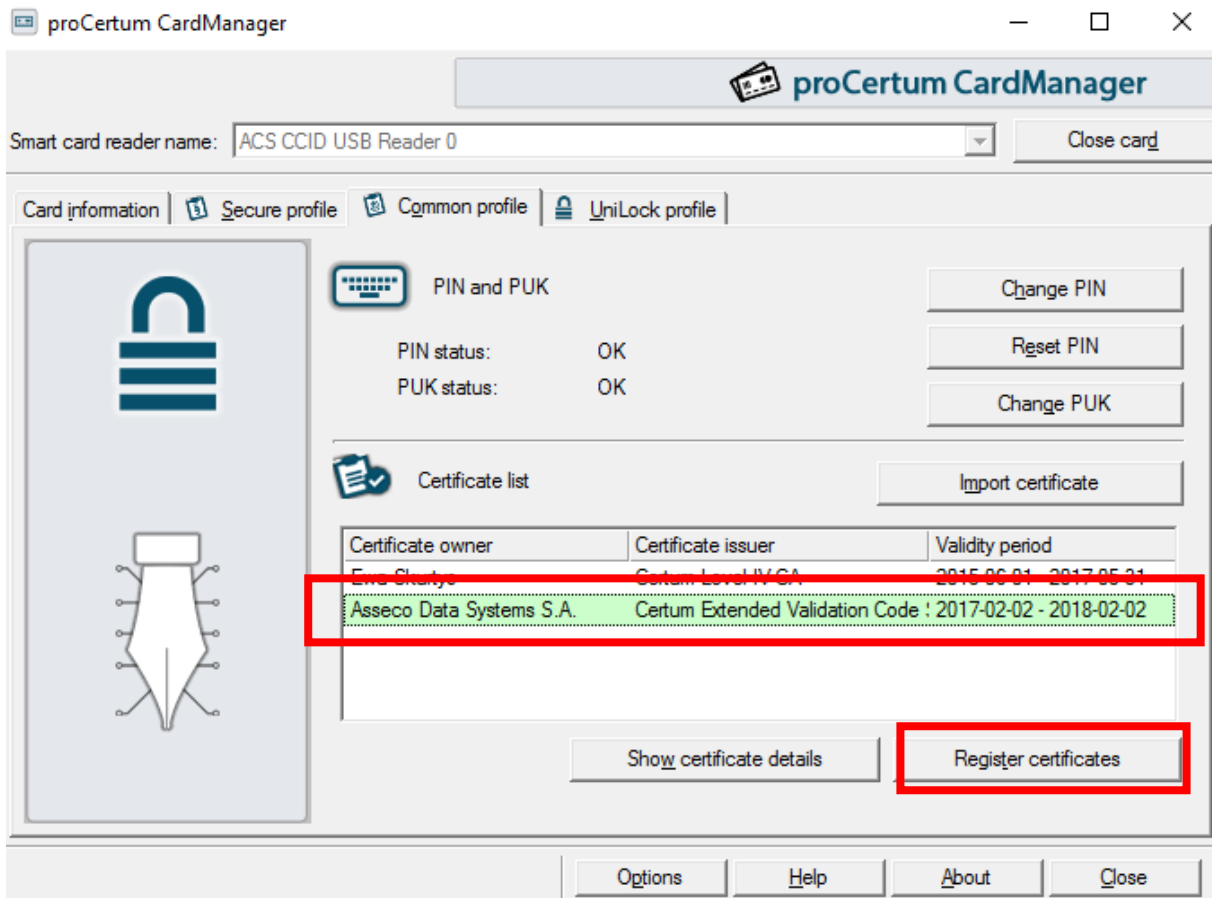
9. Click the “Import certificate” button



10. Select the certificate file downloaded previously, enter the card **pin** and click "OK"



11. If the process of adding the **certificate** was completed **successfully**, the **Code Signing** certificate should appear in the list.

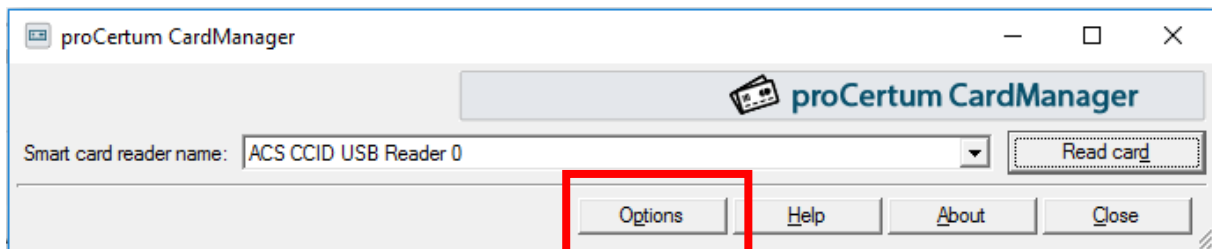


12. Register the selected certificate in the operating system. To do so click the “**Register certificates**” button.

4. Software configuration

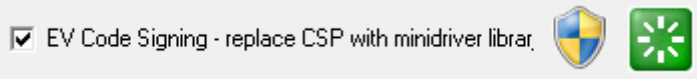
1. Activate the proCertum CardManager application, version 3.2.0.151 or higher.

A screen should appear with the name of your reader as shown in the screenshot below:

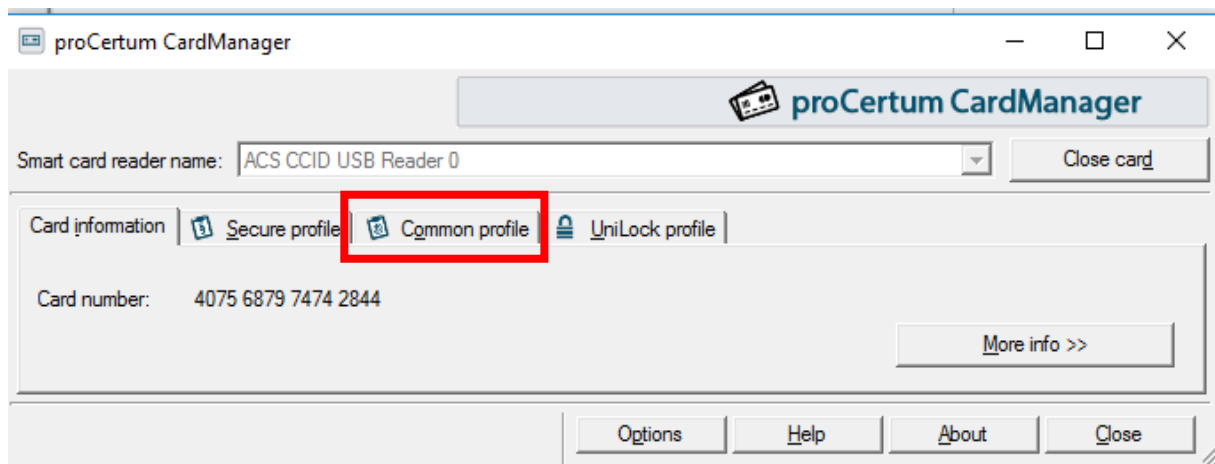


2. Click the **Options** button.

3. On the option screen select option:



4. Restart the system. After rebooting insert the reader with the cryptographic card on which the certificate and the keys are stored.
5. To make sure that the certificate is stored on card, activate the proCertum CardManager application, select the right reader from the list (if more readers than one are configured) and click the **Read card** button.
6. Upon successful reading of the card a screen should appear as shown in the screenshot below:



Go to **Common profile**.

The list should include the certificate:

Certificate owner	Certificate issuer	Validity period
Asseco Data Systems S.A.	Certum Extended Validation Code	2017-02-02 - 2018-02-02

The field "Certificate owner" will be needed at a later stage when signing the code or application.