

CHIRON GUI

Security Department Warsaw, 2022

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1. Introduction

- 1. Since 21st of November 2022 a new remote certification system based on the Chiron GUI application has been in operation for all certificates in the DOCert system.
- 2. The Chiron GUI application requires to be installed on the user workstation.
- 3. Installation files of the Chiron GUI application are available at the <u>www.docert.nbp.pl</u> website under the "Remote certification" tab.
- 4. The Chiron GUI user manual is accessible at the <u>www.docert.nbp.pl</u> website under the "Instructions" tab.
- 5. A single Chiron GUI application services both production and test certificates (*there is no need to install separate applications for both types of certificates*).
- 6. The Chiron GUI application connects to the DOCert system servers of the following addresses:
 - a. Test environment
 - i. 193.109.212.15:443
 - ii. 195.85.196.15:443
 - b. Production environment
 - i. 193.109.212.32:443
 - ii. 195.85.196.32:443
- 7. The traffic between the Chiron GUI application and the abovementioned addresses is encrypted– the use of SSL/TLS decryptors or similar devices may result in a lack of the possibility to generate/renew the certificate (*we suggest exemptions should be added on SSL/TLS decryptors*).
- 8. The Chiron GUI application supports PROXY servers; configuration is possible from the application menu after it is started for the first time.
- 9. Application logs are stored in the log.log file placed in the catalogue in which the Chiron GUI application has been installed (in the case of the Windows system, the standard path is as follows: C:\Program Files(x86)\Chiron GUI\log.log).

2. Chiron GUI application

- 1) Starting the Chiron GUI application is possible from the operating system menu or via a special icon on the desktop.
- 2) Upon each start, the application tries to connect to servers (see point 1.1) to verify the configuration. If needed, the application will upload a new configuration.
- 3) Application window.



4) The active program configuration indicates if the certificates to be dealt with are certificates issued by the production authority **NBP CCK 2** (configuration "Certyfikat produkcyjny") or the test authority **NBP CCK TEST 2** (configuration "Certyfikat testowy").



2.1. PROXY configuration.

- 1) After the Chiron GUI application is started for the first time, the PROXY configuration (if required) can be set using the menu.
 - a. none no proxy;
 - b. system configuration uploaded from the operating system;
 - c. config entering data manually;
 - i. Host address,
 - ii. Port,
 - iii. Login and password (if required).

€ Pro	oxy setting	js			?		×
Pro	xy setting:	3	none			•	1
Ho	st address	[
Por	rt						
Log	gin	[
Pas	ssword		 				
				ОК]	Cancel	

2.2. Certificate renewal (smart card).

- 1) Enter the smart card into the card reader;
- 2) Start the Chiron GUI application;
- 3) Select the required environment (Test certificate or Production certificate);
- 4) Select "Renew the certificates stored on the smart card";
- 5) If more than one card reader is installed on the computer, the application will ask you to select the card reader together with the card on which the certificate to be renewed is stored;



6) Enter PIN for the card;

	Token name	Certification schema	Status	
EMAILADDRESS=cck@nbp.pl, CN=Wydział IK, O=Wydział IK, C=PL	IDProtect#354800251E244D31	KARTA jeden klucz	Generating new certificate	
	Centaur Chiron		? ×	
	Enter PIN			
	Dises	and a the DIN for Julian IDDate at #2540000	1524/021	
	Please	enter the PIN for token IDProtect#35480025	51E244D31:	
			10.000	
	Eniget		XEKE A	
	(ASPACE)	ОК	Cancel	
	124 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	te diff and shipe trains	The second se	

7) Wait for the message ending the certificate renewal process.

Certificate name	Token name	Certification schema	Status	_
MAILADDRESS=cck@nbp.pl, N=Wydział IK, O=Wydział IK, C=PL	IDProtect#354800251E244D31	KARTA jeden klucz	The certificate was successfully updated.	

2.3. Display information about card.

- 1) The option enables the display of the information about the certificates and keys stored on the card;
- 2) When you select the option the following window will pop up:

eader						
thena ASEDrive V3C 0		2	Status: Not	t logged in		
oken						
OProtect#354800251E244	4D31	2	Log in			
label manufactuerID model serialNumber flags	: IDProtect#354800251E244D31 : Athena Smartcard Solutions : IDProtect : 354800251E244D31 : 0x0000040d	ulMaxSessionCount ulSessionCount ulMaxRwSessionCount ulRwSessionCount ulMaxPinLen ulMinPinLen	: 1000 : 1 : 1000 : 0 : 16 : 4	ulTotalPublicMemory ulFreePublicMemory ulTotalPrivateMemory ulFreePrivateMemory hardwareVersion firmwareVersion	: 4294967295 : 46784 : 4294967295 : 46784 : 1.00 : 2.00	
Certificate podpis			 Key identifier Key identifier MiFIDCCAwigAw Base64 encoded certi MIFIDCCAwigAw Country: PL Locality: Warszaw Organizational un- Organizational un- Common name: Subject Country: PL Organizational un- Organizational un- Common name: Subject Country: PL Organizational un- Organizational un- Common name: Subject Common name: Email address: ccl Validity period Validity period Gertificate version Serial number Old1CFCA54A10F Key usage signing.non-repu 	75F2EE057758A683EF9E353DE ficate n8BagIIA0HPyIShD4MwDQYIKoZIh ra rodowy Bank Polski it: Testowe Centrum Certyfikacji K NBP CCK TEST 2 dział IK Wydział IK K@nbp.pl 11-24 13:2926 (UTC) -24 23:59:59 (UTC) 83 (HEX) idiation,	vcNAQELBQAwgYoxCzAJ Juczy NBP	BgNV

- 3) The following operations are possible using the window:
 - a. Logging in to the card;
 - b. Viewing certificates and keys;
 - c. Generating a report from the card content (Save to file).

2.4. PFX file recertification

1) The option enables renewal of the certificate stored in the form of a file with extension .p12 or .pfx;

	π				- 00	0	6	10 L
My Computer	Name	75	Size	Туре	Date Modified			
Greg	BN.p12		2,89 KiB	p12 File	24.11.22 14:31			

2) Select the file containing the certificate to be renewed;

3) Enter the password to the file selected in point 2 above;

Centaur (hîron		?	×
Enter pas	word			
0	Enter password to the file			
Enige				
19164		ок	Can	cel

4) Indicate the path and the name of the file in which the new cryptographic keys and the certificate are to be stored. The password to the new file will be the same as the password entered in point 3 above.



2.5. Single-use code certification to PFX file.

 The option enables the generation of a new certificate using a single-use code. When you select the option, the following window will pop up:

Centaur Chiron		?	×
Single-use code			
Enter the single-use code:			
	AT ANA	出社	AA
	ок	Cance	

- 2) Enter the received code (in a single string of characters; letter case is irrelevant);
- 3) Indicate the path and the name of the file in which new cryptographic keys and the certificate are to be stored;
- 4) Enter the password to protect the generated cryptographic keys and the certificate.

Centaur Chi	ron		?	×
Enter new pa	assword			
	Enter new password:			
0	Enter new password again:			
	AND	1452-26	1294	<u> </u>
ANEKA	Display password			
			Can	-al
39767792	APRE AND	UK		.ei

2.6. Revoke user's certificate.

- 1) The option enables revocation of all user certificates issued in the DOCert system;
- 2) NOTE: This option is available only for selected IT systems and certain types of certificates;
- 3) To revoke certificates, enter the data received in the User Registration Point;

Certificate revocation user info	?	×
Login:		
Password:		
ОК	Canc	el

4) Confirm by clicking OK.

Chiron GUI – user manual

www.nbp.pl