

NETLOCK CA HIERARCHY

Documentation about the structure, hierarchy and other details of
NETLOCK's CAs



NETLOCK Informatics and Network Security Services Limited Liability Company

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1 Introduction

This document describes the NETLOCK CA hierarchy.

1.1 CA certificates and CRLs

Short name in structure	Full name	CA availability	CRL availability
SHA1 QA	Netlock Minositett Kozjegyzoi (Class QA) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=mshea	www.netlock.hu/index.cgi?crl=mshea
SHA1 A	Netlock Kozjegyzoi (Class A) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=kozjegyzoi	www.netlock.hu/index.cgi?crl=kozjegyzoi
SHA1 B	Netlock Uzleti (Class B) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=uzleti	www.netlock.hu/index.cgi?crl=uzleti
SHA1 C	Netlock Expressz (Class C) Tanusitvanykiado	www.netlock.hu/index.cgi?ca=expressz	www.netlock.hu/index.cgi?crl=expressz
SHA1 MKB	Netlock controlled CA for MKB Bank, Hungary	already archived	already archived
SHA1 MNB	Netlock controlled CA for MNB Bank, Hungary	already archived	already archived
SHA1 OnlineSSL	Netlock OnlineSSL Hitelesito Alegysegi	already archived	already archived

2 SHA256 CA hierarchy

2.1 General description

The Netlocks SHA256 hierarchy started at the end of 2012 when the SHA1 roots are stopped.

Following the new standards it was chained under the root Netlock Arany (Gold)

The changes were:

- signer and non-signer purposes were separated by CA, for the signer CA-s only signer certificates were allowed to issue,
- authentication and server certificates are separated,
- the same identification levels were introduced, so the transition was seamless for the users. (signer cert issued by a signer iCA, encryption cert issued by a non-signer iCA)
- Netlocks got cross certification from Microsoft on its roots for Kernel Mode Code Signing.

2.2 Issued certificate types

2.2.1 Roots

They are issuing only iCA and OCSP certificates.

These are:

- NetLock Arany (Class Gold) Főtanúsítvány
It's the actual root of the structure
- NetLock Platina (Class Platinum) Főtanúsítvány
4096 bit root for certificate issuance

- NETLOCK TLS ECC CA
edcsa bit root for certificate issuance
- NETLOCK Test ECC CA
edcsa bit root for certificate issuance
- NETLOCK Root ECC CA
edcsa bit root for certificate issuance
- NETLOCK TSA ECC CA
edcsa bit root for certificate issuance
- NETLOCK Test TSA ECC CA
edcsa bit root for certificate issuance
- NETLOCK Test RSA 4096 CA
4096 bit root for certificate issuance
- NETLOCK RSA 4096 CA
4096 bit root for certificate issuance
- NETLOCK Test RSA 2048 CA
2048 bit root for certificate issuance
- NETLOCK RSA 2048 CA
2048 bit root for certificate issuance

2.2.2 Qualified CAs

They are issuing signer certificates, applicable normalized policy is: NCP+
NETLOCK Qualified Trust EV CA normalized policy is: EVCP

These are:

- NetLock Minősített Eat. (Class Q Legal) Tanúsítványkiadó
Its only issues qualified signer certificates for natural persons on SSCD, or on device
Its also issues the Time Stamping certificates too for Netlocks time stamping service.
- NetLock Minősített Eat. (Class Q Legal S) Tanúsítványkiadó
Its only issues qualified signer certificates for legal persons on SSCD, or on device.
- NETLOCK Qualified Trust CA
Issues EIDAS compliant qualified certificates
- NETLOCK Qualified Trust SCD CA
Issues EIDAS compliant qualified certificates on SCD
- NETLOCK Qualified Trust QSCD CA
Issues EIDAS compliant qualified certificates on QSCD
- NETLOCK Qualified Trust RQSCD CA
Issues qualified certificates on RQSCD to legal persons, in order to create a qualified seal.
Issues qualified certificates on RQSCD to natural persons in order to create a qualified signature.

- **NETLOCK Qualified Trust EV CA**
Issues EIDAS compliant qualified web-site authentication certificates for legal persons.
- **NETLOCK Qualified Trust EV 2 CA**
Issues EIDAS compliant qualified web-site authentication certificates for legal persons.
- **NETLOCK Qualified Trust EV 3 CA**
Issues EIDAS compliant qualified web-site authentication certificates for legal persons.
- **NETLOCK Trust Qualified ECC CA (qtrusteccca)**
Issues qualified certificates to legal persons, in order to create an advanced seal.
Issues qualified certificates to natural persons in order to create an advanced signature.
- **NETLOCK Trust Qualified SCD ECC CA (qtrustscdeccca)**
Issues qualified certificates on SCD to legal persons, in order to create an advanced seal.
Issues qualified certificates on SCD to natural persons in order to create an advanced signature.
- **NETLOCK Trust Qualified QSCD ECC CA**
Issues qualified certificates on QSCD to legal persons, in order to create a qualified seal.
Issues qualified certificates on QSCD to natural persons in order to create a qualified signature.
- **NETLOCK Trust Qualified RQSCD VRA ECC CA**
Issues qualified certificates on RQSCD to legal persons via VideoRA, in order to create a qualified seal.
Issues qualified certificates on RQSCD to natural persons via VideoRA in order to create a qualified signature.
- **NETLOCK Trust Qualified TSA ECC CA (qtrusttsaeccca)**
-
- **NETLOCK Trust Qualified RSA 2048 CA (qtrustrsa2048ca)**
Issues qualified certificates to legal persons, in order to create an advanced seal.
Issues qualified certificates to natural persons in order to create an advanced signature.
- **NETLOCK Trust Qualified SCD RSA 2048 CA (qtrustscdrsa2048ca)**
Issues qualified certificates on SCD to legal persons, in order to create an advanced seal.
Issues qualified certificates on SCD to natural persons in order to create an advanced signature.
- **NETLOCK Trust Qualified QSCD RSA 2048 CA (qtrustqscdrsa2048ca)**
Issues qualified certificates on QSCD to legal persons, in order to create a qualified seal.
Issues qualified certificates on QSCD to natural persons in order to create a qualified signature.
- **NETLOCK Trust Qualified RQSCD VRA RSA 2048 CA (qtrustrqscdvrarsa2048ca)**
Issues qualified certificates on RQSCD to legal persons via VideoRA, in order to create a qualified seal.
Issues qualified certificates on RQSCD to natural persons via VideoRA in order to create a qualified signature.
- **NETLOCK Trust Qualified TSA RSA 2048 CA (qtsarsa2048ca)**
-
- **NETLOCK Trust Qualified RSA 4096 CA (qtrustrsa4096ca)**
Issues qualified certificates to legal persons, in order to create an advanced seal.
Issues qualified certificates to natural persons in order to create an advanced signature.
- **NETLOCK Trust Qualified SCD RSA 4096 CA (qtrustscdrsa4096ca)**
Issues qualified certificates on SCD to legal persons, in order to create an advanced seal.

Issues qualified certificates on SCD to natural persons in order to create an advanced signature.

- **NETLOCK Trust Qualified QSCD RSA 4096 CA (qtrustqscdrsa4096ca)**

Issues qualified certificates on QSCD to legal persons, in order to create a qualified seal.
Issues qualified certificates on QSCD to natural persons in order to create a qualified signature.

- **NETLOCK Trust Qualified RQSCD VRA RSA 4096 CA (qtrustrqscdvrarsa4096ca)**

Issues qualified certificates on RQSCD to legal persons via VideoRA, in order to create a qualified seal.
Issues qualified certificates on RQSCD to natural persons via VideoRA in order to create a qualified signature.

2.2.3 Non qualified Signer CAs

They are issuing signer end entity certificates only, applicable normalized policies are: NCP, NCP+

These are:

- NetLock Közjegyzői Eat. (Class A Legal) Tanúsítványkiadó (stopped)
- NetLock Üzleti Eat. (Class B Legal) Tanúsítványkiadó (stopped)
- NetLock Expressz Eat. (Class C Legal) Tanúsítványkiadó (stopped)
- MNB Eat. Tanúsítványkiadó (stopped)
- KELER Eat. Tanúsítványkiadó (stopped)
- MKB Tanúsítványkiadó

- NETLOCK Trust Advanced CA
- NETLOCK Trust Advanced Plus CA (issues only NCP+ certificates)
- NETLOCK Trust ECC CA
- NETLOCK Trust Advanced ECC CA
- NETLOCK Trust Advanced Plus ECC CA
- NETLOCK Trust TSA ECC CA
- NETLOCK Trust RSA 2048 CA
- NETLOCK Trust Advanced RSA 2048 CA
- NETLOCK Trust Advanced Plus RSA 2048 CA
- NETLOCK Trust TSA RSA 2048 CA
- NETLOCK Trust RSA 4096 CA
- NETLOCK Trust Advanced RSA 4096 CA
- NETLOCK Trust Advanced Plus RSA 4096 CA
- NETLOCK Trust TSA RSA 4096 CA

2.2.4 Non-qualified Non-signer CAs

They are issuing authentication, encryption, and IV, OV and EV SSL certificates, applicable normalized policies are: NCP, NCP+, IVCP, OVCP, EVCP

These are:

- NetLock Közjegyzői (Class A) Tanúsítványkiadó
- NetLock Üzleti (Class B) Tanúsítványkiadó

- NetLock Expressz (Class C) Tanúsítványkiadó
- NETLOCK Trust CA
- NETLOCK Trust SSL CA
- NETLOCK Trust EV CA
- NETLOCK Trust EV 2 CA

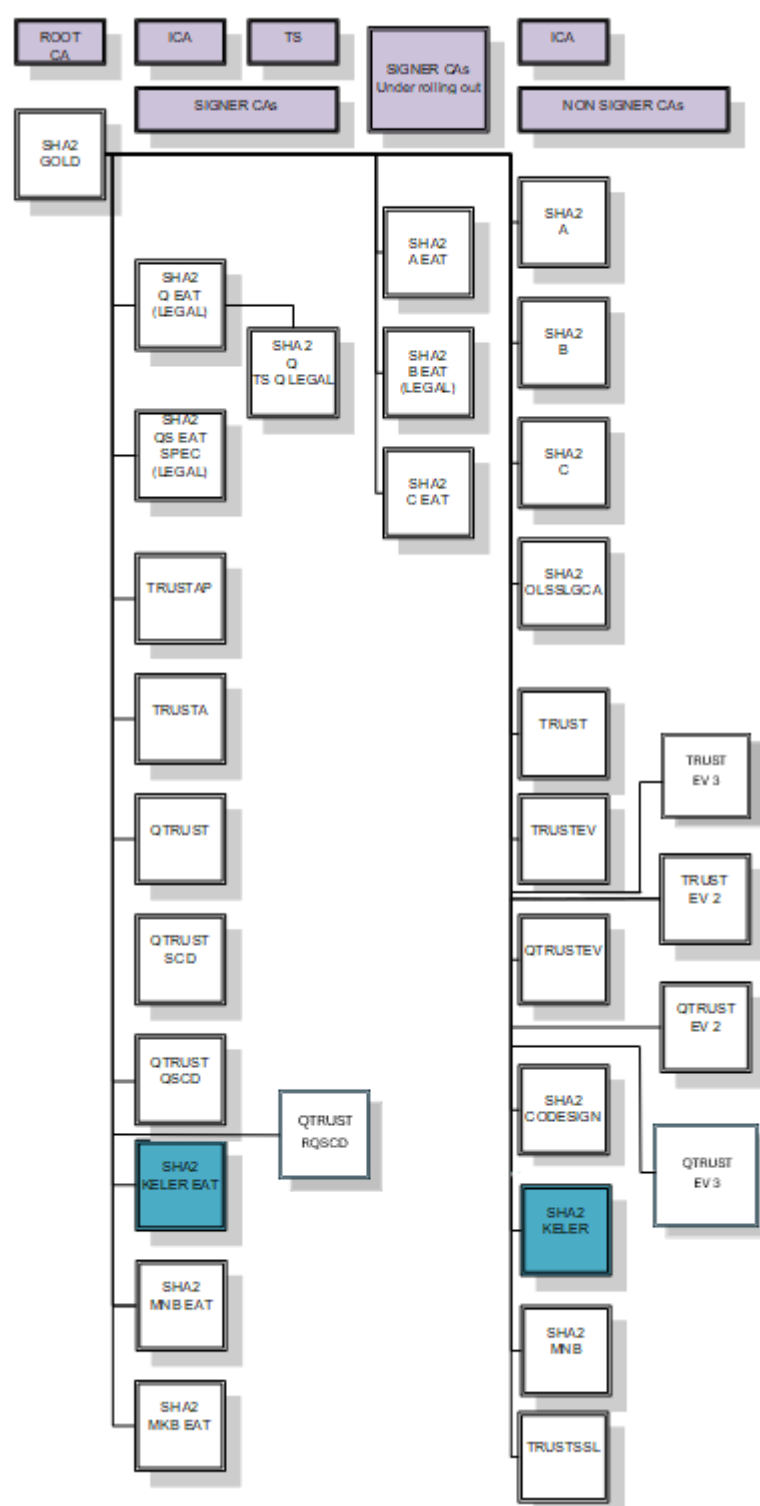
- NETLOCK TLS OV ECC CA
- NETLOCK TLS OV ECC CTCA
- NETLOCK TLS EV ECC CA
- NETLOCK TLS EV ECC CTCA
- NETLOCK TLS Qualified EV ECC CA
- NETLOCK TLS Qualified EV ECC CTCA
- NETLOCK TLS DV ECC CA
- NETLOCK TLS DV ECC CTCA

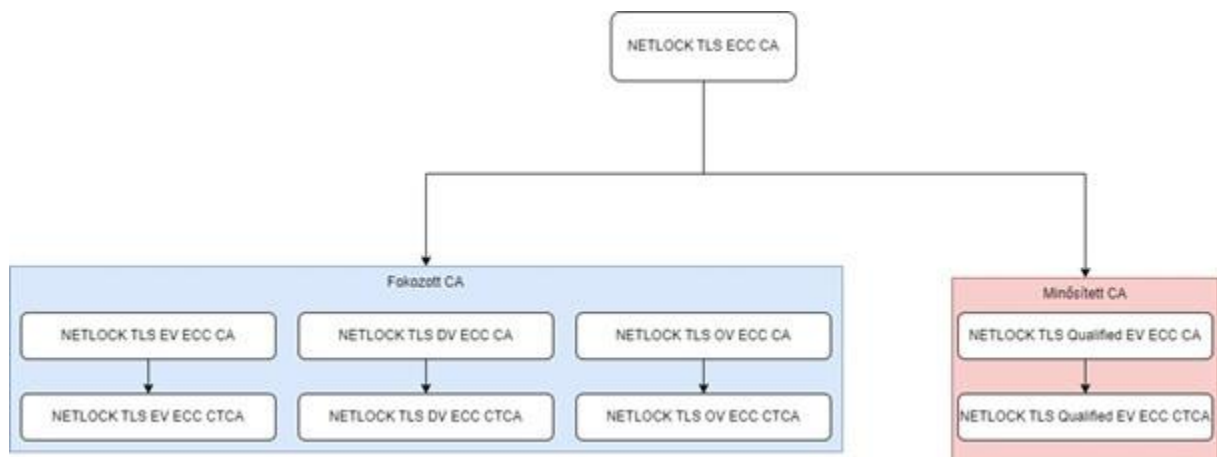
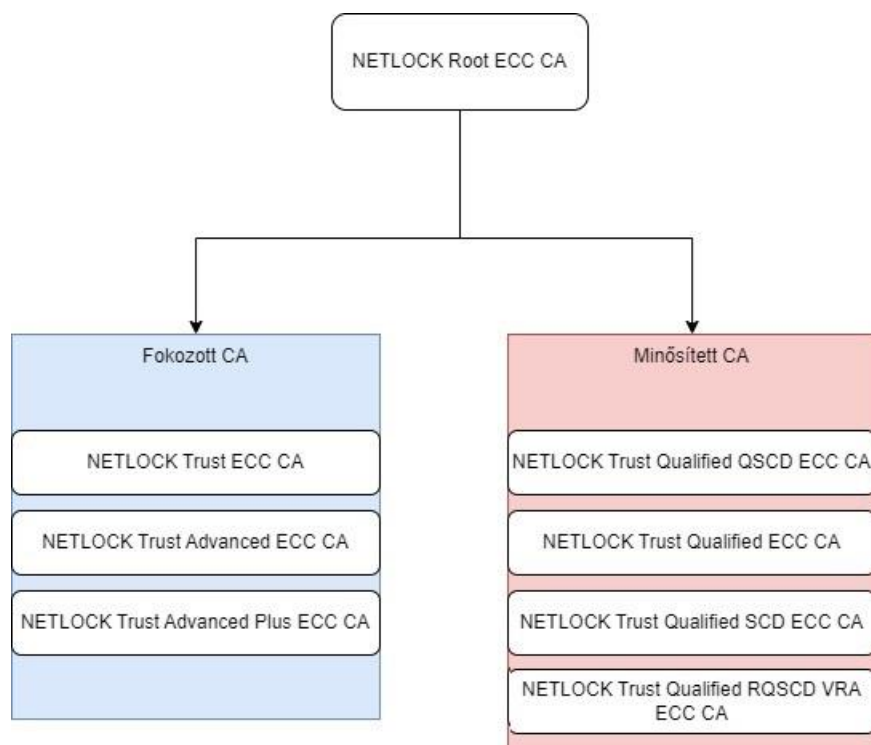
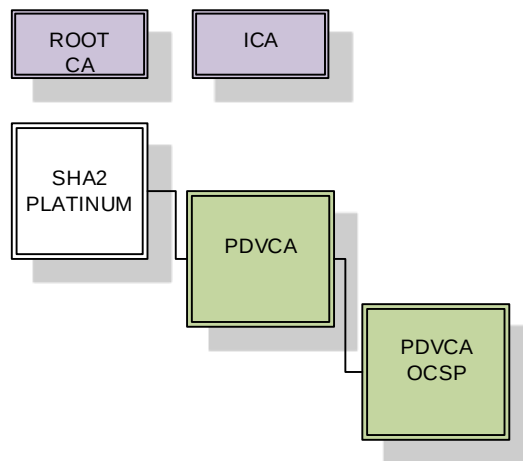
2.2.5 Online SSL CA (PDVCA)

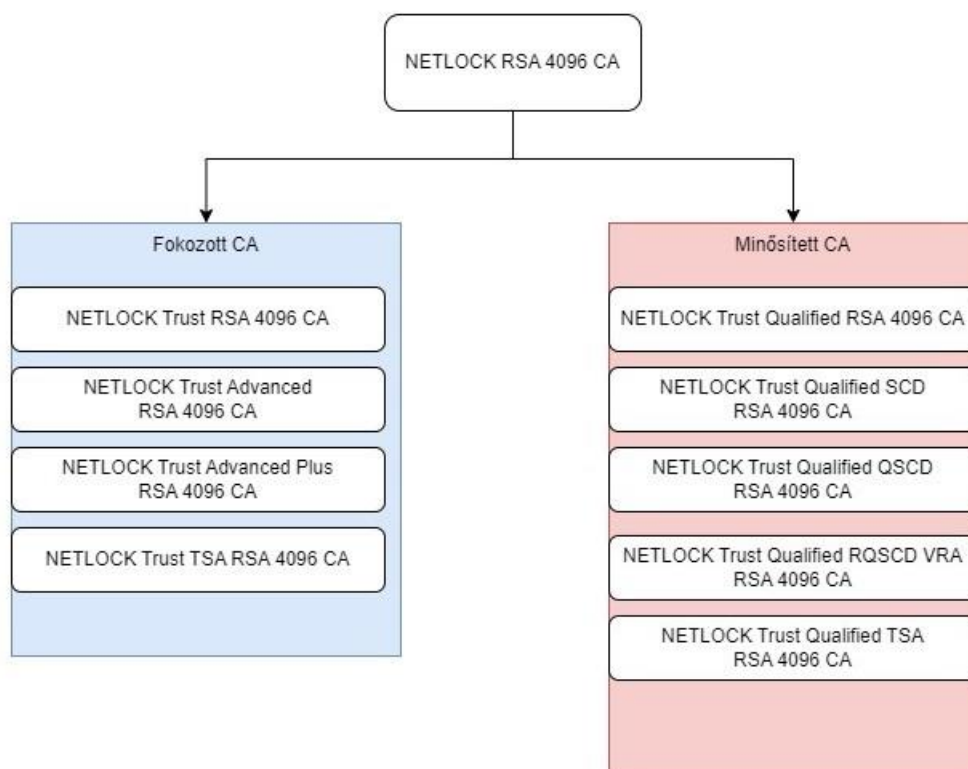
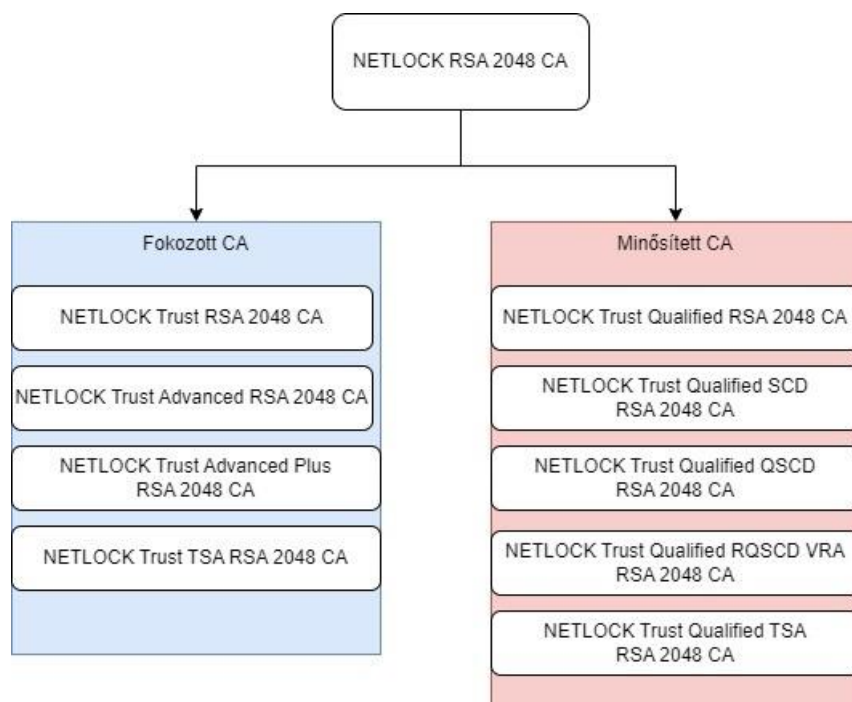
It issues DV SSL certificates only, applicable normalized policies are: DVCP

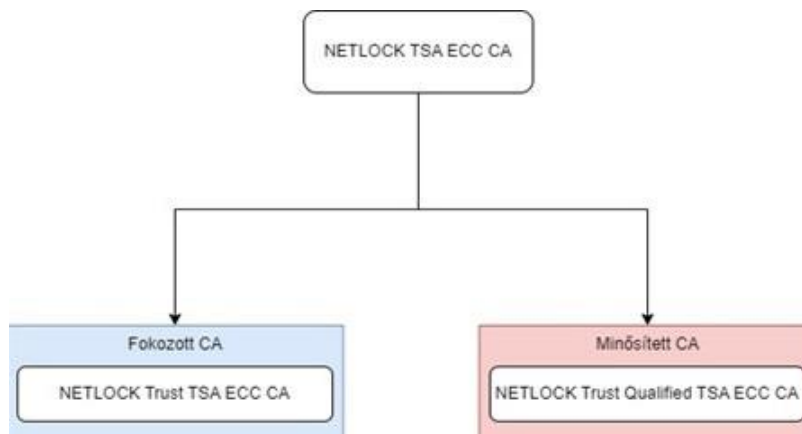
- NETLOCK TLS DV ECC CA
- NETLOCK TLS DV ECC CTCA

2.3 Structure









2.4 CA certificates and CRLs

Short name in structure	Full name	CA availability	CRL availability
SHA2 GOLD	NetLock Arany (Class Gold) Főtanúsítvány	www.netlock.hu/index.cgi?ca=gold	www.netlock.hu/index.cgi?crl=gold
SHA2 PLATINUM	NetLock Platina (Class Platinum) Főtanúsítvány	http://www.netlock.hu/index.cgi?ca=platinum	http://www.netlock.hu/index.cgi?crl=platinum
SHA2 Q EAT	NetLock Minősített Eat. (Class Q Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cqlca	www.netlock.hu/index.cgi?crl=cqlca
SHA2 QS EAT	NetLock Minősített Eat. (Class Q Legal S) Tanúsítványkiadó	http://www.netlock.hu/index.cgi?ca=cqlsca	http://www.netlock.hu/index.cgi?crl=cqlsca
QTRUST	NETLOCK Qualified Trust CA	http://www.netlock.hu/index.cgi?ca=qtrust	http://www.netlock.hu/index.cgi?crl=qtrust
QTRUST SCD	NETLOCK Qualified Trust SCD CA	http://www.netlock.hu/index.cgi?ca=qtrustscd	www.netlock.hu/index.cgi?crl=qtrustscd
QTRUST QSCD	NETLOCK Qualified Trust QSCD CA	www.netlock.hu/index.cgi?ca=qtrustqscd	www.netlock.hu/index.cgi?cel=qtrustqscd
QTRUST RQSCD	NETLOCK Trust Qualified RQSCD CA	http://www.netlock.hu/index.cgi?ca=qtrustrqscd	http://www.netlock.hu/index.cgi?crl=qtrustrqscd
QTRUST EV	NETLOCK Trust Qualified EV CA	www.netlock.hu/index.cgi?ca=qtrustev	www.netlock.hu/index.cgi?crl=qtrustev
TRUSTEV	NETLOCK Trust EV CA	www.netlock.hu/index.cgi?ca=trustev	www.netlock.hu/index.cgi?crl=trustev
TRUST EV 2	NETLOCK Trust EV CA 2	www.netlock.hu/index.cgi?ca=trustev2	www.netlock.hu/index.cgi?crl=trustev2
QTRUST EV 2	NETLOCK Trust Qualified EV CA 2	www.netlock.hu/index.cgi?ca=qtrustev2	www.netlock.hu/index.cgi?crl=qtrustev2
QTRUST EV 3	NETLOCK Trust Qualified EV CA 3	www.netlock.hu/index.cgi?ca=qtrustev3	http://www.netlock.hu/index.cgi?crl=qtrustev3
TRUSTSSL	NETLOCK Trust SSL CA	www.netlock.hu/index.cgi?ca=trustssl	www.netlock.hu/index.cgi?crl=trustssl
TRUSTAP	NETLOCK Trust Advanced Plus	www.netlock.hu/index.cgi?ca=trustap	www.netlock.hu/index.cgi?crl=trustap
TRUSTA	NETLOCK Trust Advanced Plus	www.netlock.hu/index.cgi?ca=trusta	www.netlock.hu/index.cgi?crl=trusta

TRUST	NETLOCK Trust Advanced Plus	www.netlock.hu/index.cgi?ca=trust	www.netlock.hu/index.cgi?crl=trust
SHA2 A EAT	NetLock Közjegyzői Eat. (Class A Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=calca	www.netlock.hu/index.cgi?crl=calca
SHA2 B EAT	NetLock Üzleti Eat. (Class B Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cblca	www.netlock.hu/index.cgi?crl=cblca
SHA2 C EAT	NetLock Expressz Eat. (Class C Legal) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cclca	www.netlock.hu/index.cgi?crl=cclca
SHA2 A	NetLock Közjegyzői (Class A) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=caca	www.netlock.hu/index.cgi?crl=caca
SHA2 B	NetLock Üzleti (Class B) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=cbca	www.netlock.hu/index.cgi?crl=cbca
SHA2 C	NetLock Expressz (Class C) Tanúsítványkiadó	www.netlock.hu/index.cgi?ca=ccca	www.netlock.hu/index.cgi?crl=ccca
SHA2 MKB EAT	MKB Tanúsítványkiadó	http://crl.mkb.hu/CA4.crt	http://crl.mkb.hu/CA4.crl
SHA2 MNB EAT	MNB Eat. Tanúsítványkiadó	http://cdp.mnb.hu/LHSZ1.crt	http://cdp.mnb.hu/LHSZ1.crl
SHA2 KELER EAT	KELER Eat. Tanúsítványkiadó	http://www.keler.hu/crl/lhsz2.crt	http://www.keler.hu/crl/lhsz2.crl
SHA2 MNB	MNB Tanúsítványkiadó	http://cdp.mnb.hu/LHSZ1.crt	http://cdp.mnb.hu/LHSZ1.crl
SHA2 KELER	KELER Tanúsítványkiadó	http://www.keler.hu/crl/lhsz2.crt	http://www.keler.hu/crl/lhsz2.crl

tlseccca	NETLOCK TLS ECC CA	aia.ecc.netlock.hu/index.cgi?ca=tlseccca	crl.ecc.netlock.hu/index.cgi?crl=tlseccca
testeccca	NETLOCK Test ECC CA	aia-test.ecc.netlock.hu/index.cgi?ca=tlseccca	crl-test.ecc.netlock.hu/index.cgi?crl=tlseccca
rooteccca	NETLOCK Root ECC CA	aia.ecc.netlock.hu/index.cgi?ca=rooteccca	crl.ecc.netlock.hu/index.cgi?crl=rooteccca
tsaeccca	NETLOCK TSA ECC CA	aia.ecc.netlock.hu/index.cgi?ca=tsaeccca	crl.ecc.netlock.hu/index.cgi?crl=tsaeccca
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rsa4096ca	NETLOCK RSA 4096 CA	aia.rsa.netlock.hu/index.cgi?ca=rsa4096c	crl.rsa.netlock.hu/index.cgi?crl=rsa4096c
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trusteccca	NETLOCK Trust ECC CA	crl.ecc.netlock.hu/index.cgi?crl=trusteccca	crl.ecc.netlock.hu/index.cgi?crl=trusteccca
trustaeccca	NETLOCK Trust Advanced ECC CA	crl.ecc.netlock.hu/index.cgi?crl=trustaeccca	crl.ecc.netlock.hu/index.cgi?crl=trustaeccca

trustapeccca	NETLOCK Trust Advanced Plus ECC CA	crl.ecc.netlock.hu/index.cgi?crl=trustapeccca	crl.ecc.netlock.hu/index.cgi?crl=trustapeccca
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qtrustscdeccca	NETLOCK Trust Qualified SCD ECC CA	crl.ecc.netlock.hu/index.cgi?crl=qtrustscdecca	crl.ecc.netlock.hu/index.cgi?crl=qtrustscdecca
qtrustqscdeccca	NETLOCK Trust Qualified QSCD ECC CA	crl.ecc.netlock.hu/index.cgi?crl=qtrustqscdecca	crl.ecc.netlock.hu/index.cgi?crl=qtrustqscdecca
qpacaeccca	NETLOCK Qualified Public Administration ECC CA	crl.ecc.netlock.hu/index.cgi?crl=qpacaeccca	crl.ecc.netlock.hu/index.cgi?crl=qpacaeccca
qtrustqscdvraeccca	NETLOCK Trust Qualified RQSCD VRA ECC CA	crl.ecc.netlock.hu/index.cgi?crl=qtrustqscdvraeccca	crl.ecc.netlock.hu/index.cgi?crl=qtrustqscdvraeccca
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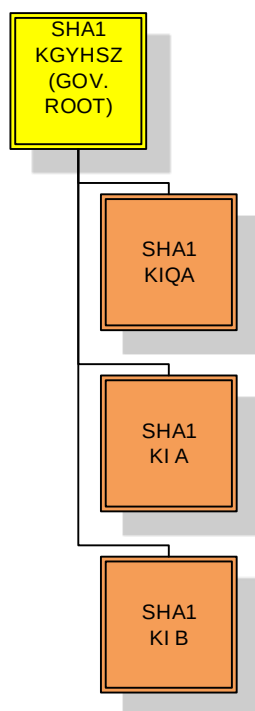
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trustrsa4096ca	NETLOCK Trust RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=trustrsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=trustrsa4096ca
trustarsa4096ca	NETLOCK Trust Advanced RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=trustarsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=trustarsa4096ca
trustaprsa4096ca	NETLOCK Trust Advanced Plus RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=trustaprsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=trustaprsa4096ca
qtrustrsa4096ca	NETLOCK Trust Qualified RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qtrustrsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qtrustrsa4096ca
qtrustscdrsa4096ca	NETLOCK Trust Qualified SCD RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qtrustscdrsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qtrustscdrsa4096ca
qtrustqscdrsa4096ca	NETLOCK Trust Qualified QSCD RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qtrustqscdrsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qtrustqscdrsa4096ca
qpacarsa4096ca	NETLOCK Qualified Public Administration RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qpacarsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qpacarsa4096ca
qtrustqscdvrarsa4096ca	NETLOCK Trust Qualified RQSCD VRA RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qtrustqscdvrarsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qtrustqscdvrarsa4096ca
tsarsa4096ca	NETLOCK Trust TSA RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=tsarsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=tsarsa4096ca
qtsarsa4096ca	NETLOCK Trust Qualified TSA RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qtsarsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qtsarsa4096ca

3 Cross certifications

The Netlock has only cross certifications from Microsoft. They are intended to use for Kernel Mode Code Signing certificate root, but now the Kernel Mode Signing is strongly tied to EV Rules, after the Webtrust for EV or similar audit is possible to move forward.

Short name in structure	Full name	CA availability
MCCA SHA2 GOLD	NetLock Arany (Class Gold) Főtanúsítvány	www.netlock.hu/index.cgi?ca=mccagold
MCCA SHA2 PLATINUM	NetLock Platina (Class Platinum) Főtanúsítvány	www.netlock.hu/index.cgi?ca=mccaplatinum
tlseccca	NETLOCK TLS ECC CA	aia.ecc.netlock.hu/index.cgi?ca=tlseccca

4 CA certificates not covered by any root programs



Orange – Already stopped service/CA
Blue – There is no more certificate issuance, waits to stop
Yellow – CA not controlled by Netlock
TS – time stamping certificate
OCSP – OCSP certificate

4.1.1 CA certificates and CRLs

Short name in structure	Full name	CA availability	CRL availability
SHA1 KGYHSZ	KGYHSZ (Public Administration Root CA - Hungary) <u>Governmental root in Hungary, not NETLOCK owned.</u>	http://www.kgyhsz.gov.hu/KGYHSZ_CA_20060719.cer	http://www.kgyhsz.gov.hu/KGYHSZ_CA_20060719.crl
SHA1 KIQ A	Netlock Minositett Kozjegyzoi (Class QA) Tanusitvanykiado	https://www.netlock.hu/index.cgi?ca=mkozig	https://www.netlock.hu/index.cgi?crl=mkozig
SHA1 KI A	NetLock (Class A) Közigazgatási Tanúsítványkiadó)	already archived	already archived
SHA1 KI B	(NetLock (Class B) Közigazgatási Tanúsítványkiadó)	https://www.netlock.hu/index.cgi?ca=bkozig	https://www.netlock.hu/index.cgi?crl=bkozig

4.2 SHA256 Governmental CA hierarchy

4.2.1 General description

The Netlock has Intermediate certificates which are certified by the SHA256 root of the governmental CA KGYHSZ.

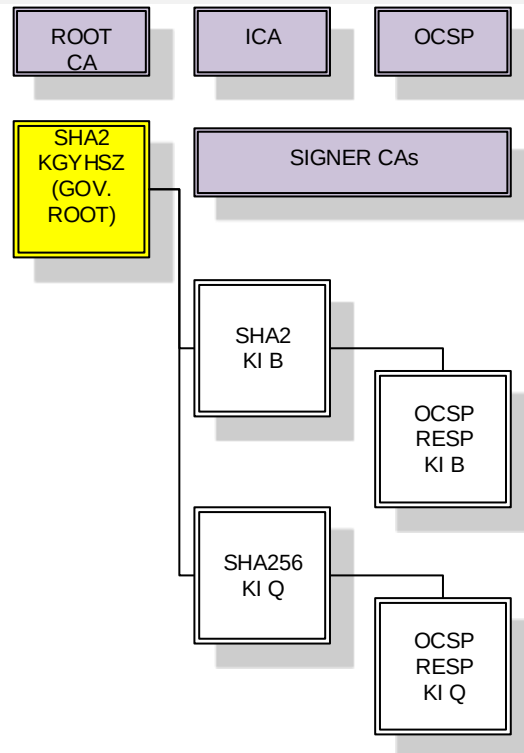
These roots are issuing singer certificates for public administration purposes

These roots are not subjects any Root programs, they are in separated tree.

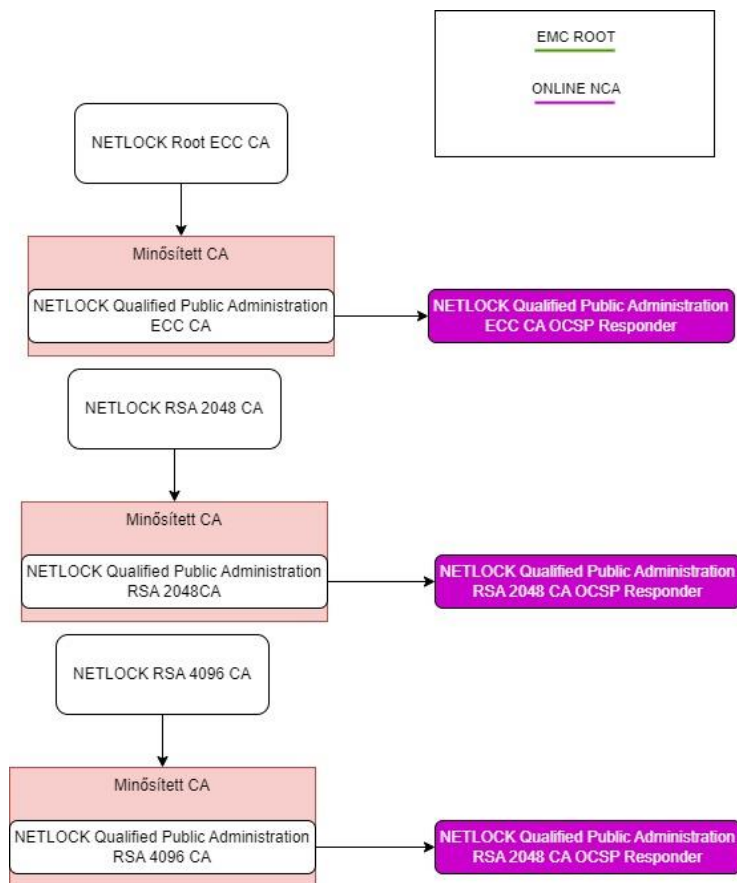
4.2.2 Issued certificate types

From these iCAs singer and authentication certificates can be bought for public administration purposes.

4.2.3 Structure



Yellow – CA not controlled by Netlock
TS – time stamping certificate
OCSP – OCSP certificate
Light purple – Grouping by certificate type and purpose



4.2.4 CA certificates and CRLs

Short name in structure	Full name	CA availability	CRL availability
SHA2 KGYHSZ	KGYSZ (Public Administration Root CA - Hungary) <u>Governmental root in Hungary, not Netlock owned.</u>	http://www.kgyhsz.gov.hu/KGYHSZ_CA_20091210.cer	http://www.kgyhsz.gov.hu/KGYHSZ_CA_20091210.crl
SHA2 KI Q	NetLock Minősített Közigazgatási (Class Q) Tanúsítványkiadó	https://www.netlock.hu/index.cgi?ca=mkozig256	https://www.netlock.hu/index.cgi?crl=mkozig256
SHA2 KI B	NetLock Közigazgatási Üzleti (Class B) Tanúsítványkiadó	https://www.netlock.hu/index.cgi?ca=bkozig256	https://www.netlock.hu/index.cgi?crl=bkozig256
qpacaeccca	NETLOCK Qualified Public Administration ECC CA	crl.ecc.netlock.hu/index.cgi?crl=qpacaeccca	crl.ecc.netlock.hu/index.cgi?crl=qpacaeccca
qpacarsa2048ca	NETLOCK Qualified Public Administration RSA 2048 CA	crl.rsa.netlock.hu/index.cgi?crl=qpacarsa2048ca	crl.rsa.netlock.hu/index.cgi?crl=qpacarsa2048ca
qpacarsa4096ca	NETLOCK Qualified Public Administration RSA 4096 CA	crl.rsa.netlock.hu/index.cgi?crl=qpacarsa4096ca	crl.rsa.netlock.hu/index.cgi?crl=qpacarsa4096ca