

# Podporované certifikačné authority / Supported certificate authorities

## Uniper CA 3 2020 XXXII

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=DE  
  O=Uniper Holding GmbH  
  OU=CA  
  CN=Uniper CA 3 2020 XXXII  
Serial Number: 7A49330A8FEA56164ACE5E0CAF949F82  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: 15:22:2F:26:6E:38:1B:98:3A:6B:83:CE:70:5F:  
4A:AD:A8:94:4B:7A  
Issuer:  
  C=DE  
  O=D-Trust GmbH  
  CN=Uniper Group CA 3 2020

## Uniper CA 3 2020 XXXIII

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=DE  
  O=Uniper Holding GmbH  
  OU=CA  
  CN=Uniper CA 3 2020 XXXIII  
Serial Number: 770C4C750F9C34CD8F57565555FB7D80  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: 1E:2C:28:40:5E:EB:2E:F2:25:67:D8:15:5E:68:5D:  
65:6E:A0:A1:2F  
Issuer:  
  C=DE  
  O=D-Trust GmbH  
  CN=Uniper Group CA 3 2020

## DigiCert Assured ID Root G2

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=US  
  O=DigiCert Inc  
  OU=www.digicert.com  
  CN=DigiCert Assured ID Root G2  
Serial Number: 0B931C3AD63967EA6723BFC3AF9AF44B  
Expires: Jan 15 12:00:00 2038 GMT  
SHA1 Fingerprint: A1:4B:48:D9:43:EE:0A:0E:40:90:4F:  
3C:E0:A4:C0:91:93:51:5D:3F  
Issuer:  
  C=US  
  O=DigiCert Inc  
  OU=www.digicert.com  
  CN=DigiCert Assured ID Root G2

### **DigiCert Assured ID Client CA G2**

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=US  
  O=DigiCert Inc  
  OU=www.digicert.com  
  CN=DigiCert Assured ID Client CA G2  
Serial Number: 0FFAE1F31A2B433C3D9AE16D643B588B  
Expires: Sep 23 12:25:32 2034 GMT  
SHA1 Fingerprint: 7C:77:03:57:09:96:59:B4:0D:A4:C4:BA:67:78:5D:  
54:23:A0:13:C8  
Issuer:  
  C=US  
  O=DigiCert Inc  
  OU=www.digicert.com  
  CN=DigiCert Assured ID Root G2

### **GlobalSign GCC R3 PersonalSign 1 CA 2020**

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=BE  
  O=GlobalSign nv-sa  
  CN=GlobalSign GCC R3 PersonalSign 1 CA 2020  
Serial Number: 784AA91218D1A42608513CD3665543A3  
Expires: Mar 18 00:00:00 2029 GMT  
SHA1 Fingerprint: 23:9F:82:86:1B:67:67:12:02:52:81:F1:4B:

70:56:45:CD:88:B4:C1

Issuer:

OU=GlobalSign Root CA - R3

O=GlobalSign

CN=GlobalSign

## **NETLOCK Trust CA**

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=HU

L=Budapest

O=NETLOCK Ltd.

CN=NETLOCK Trust CA

Serial Number: 49412CE4003C

Expires: Nov 17 14:07:59 2028 GMT

SHA1 Fingerprint: C9:97:6C:E2:41:8A:66:3A:FE:DE:C9:5F:3A:  
26:24:47:BA:A7:24:60

Issuer:

C=HU

L=Budapest

O=NetLock Kft.

OU=Tanúsítványkiadók (Certification Services)

CN=NetLock Arany (Class Gold) Főtanúsítvány

## **GlobalSign GCC R3 EV QWAC CA 2020**

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Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=BE

O=GlobalSign nv-sa

CN=GlobalSign GCC R3 EV QWAC CA 2020

Serial Number: 7803182702CF9B1ABAB86046A0F6A8AE

Expires: Mar 18 00:00:00 2029 GMT

SHA1 Fingerprint: ED:D4:C6:4D:FD:0E:  
38:D5:86:F1:C2:F0:A9:2D:F0:A4:11:35:1F:8F

Issuer:

OU=GlobalSign Root CA - R3

O=GlobalSign

CN=GlobalSign

## **Certum Trusted Root CA**

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)  
Certificate Authority:  
  C=PL  
  O=Asseco Data Systems S.A.  
  OU=Certum Certification Authority  
  CN=Certum Trusted Root CA  
Serial Number: 1EBF5950B8C980374C06F7EB554FB5ED  
Expires: Mar 16 12:10:13 2043 GMT  
SHA1 Fingerprint: C8:83:44:C0:18:AE:9F:CC:F1:87:B7:8F:  
22:D1:C5:D7:45:84:BA:E5  
Issuer:  
  C=PL  
  O=Asseco Data Systems S.A.  
  OU=Certum Certification Authority  
  CN=Certum Trusted Root CA

## **Hellenic Academic and Research Institutions RootCA 2015**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=GR  
  L=Athens  
  O=Hellenic Academic and Research Institutions Cert. Authority  
  CN=Hellenic Academic and Research Institutions RootCA 2015  
Serial Number: 00  
Expires: Jun 30 10:11:21 2040 GMT  
SHA1 Fingerprint: 01:0C:06:95:A6:98:19:14:FF:BF:  
5F:C6:B0:B6:95:EA:29:E9:12:A6  
Issuer:  
  C=GR  
  L=Athens  
  O=Hellenic Academic and Research Institutions Cert. Authority  
  CN=Hellenic Academic and Research Institutions RootCA 2015

## **sfera**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  DC=sk  
  DC=sfera  
  CN=sfera  
Serial Number: 42FEA11E03ED89BE4F216AA71D0827F3  
Expires: Feb 27 17:32:27 2034 GMT  
SHA1 Fingerprint: 86:C4:9E:D6:0B:04:8B:  
87:65:F8:47:B5:A3:F8:33:2E:DD:1E:77:D1  
Issuer:

DC=sk  
DC=sfera  
CN=sfera

## **USERTrust RSA Certification Authority**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=US  
  ST=New Jersey  
  L=Jersey City  
  O=The USERTRUST Network  
  CN=USERTrust RSA Certification Authority  
Serial Number: 3972443AF922B751D7D36C10DD313595  
Expires: Dec 31 23:59:59 2028 GMT  
SHA1 Fingerprint: D8:9E:3B:D4:3D:5D:90:9B:47:A1:89:77:AA:9D:  
5C:E3:6C:EE:18:4C  
Issuer:  
  C=GB  
  ST=Greater Manchester  
  L=Salford  
  O=Comodo CA Limited  
  CN=AAA Certificate Services

## **CA2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  DC=sk  
  DC=sepsas  
  CN=CA2  
Serial Number: 380F3FBD82E419A643A35C31DB2C686C  
Expires: Jul 8 12:50:45 2039 GMT  
SHA1 Fingerprint: 88:88:CE:CD:2F:C9:9B:C1:DE:4E:A3:A2:BF:  
77:E1:79:46:E7:F7:11  
Issuer:  
  DC=sk  
  DC=sepsas  
  CN=CA2

## **HARICA SSL RSA SubCA R3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)

Certificate Authority:

C=GR

L=Athens

O=Hellenic Academic and Research Institutions Cert. Authority

CN=HARICA SSL RSA SubCA R3

Serial Number: 40DB9A6E5B6E827D4804BA4E0AA0BD0F

Expires: Mar 10 13:26:53 2034 GMT

SHA1 Fingerprint: 1D:10:2C:47:C4:00:08:82:95:AD:60:4C:

35:CB:DE:B9:60:42:F9:79

Issuer:

C=GR

L=Athens

O=Hellenic Academic and Research Institutions Cert. Authority

CN=Hellenic Academic and Research Institutions RootCA 2015

**MOL Group Root CA 2022**

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Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=HU

O=MOL Group

CN=MOL Group Root CA 2022

Serial Number: 48175EB3BB06B9FF5A55BB2F2610F6063E6E4C98

Expires: Feb 24 16:03:24 2047 GMT

SHA1 Fingerprint: 87:89:E6:1C:06:E4:1B:A9:6A:0A:1C:48:1F:

83:57:80:7A:6D:87:21

Issuer:

C=HU

O=MOL Group

CN=MOL Group Root CA 2022

**CA Disig QCA4**

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Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=SK

L=Bratislava

2.5.4.97=NTRSK-35975946

O=Disig a.s.

CN=CA Disig QCA4

Serial Number: 9179D276C98F0162

Expires: Jun 15 14:21:04 2050 GMT

SHA1 Fingerprint: 1C:1C:EF:BA:3D:B7:06:16:D2:CA:BC:D1:52:2B:

04:76:0F:31:AA:A7

Issuer:

C=SK

L=Bratislava  
2.5.4.97=NTRSK-35975946  
O=Disig a.s.  
CN=CA Disig QCA4

## **MOL Root CA 1**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=HU  
O=MOL  
CN=MOL Root CA 1  
Serial Number: 285150B489731EBD465C9C4CDDA7625C  
Expires: Oct 15 11:59:30 2040 GMT  
SHA1 Fingerprint: AC:B7:F4:1B:99:A9:EB:53:29:80:11:3F:8A:AB:  
3E:AA:7B:DC:ED:8A  
Issuer:  
C=HU  
O=MOL  
CN=MOL Root CA 1

## **USERTrust RSA Certification Authority**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=US  
ST=New Jersey  
L=Jersey City  
O=The USERTRUST Network  
CN=USERTrust RSA Certification Authority  
Serial Number: 01FD6D30FCA3CA51A81BBC640E35032D  
Expires: Jan 18 23:59:59 2038 GMT  
SHA1 Fingerprint: 2B:8F:1B:57:33:0D:BB:A2:D0:7A:6C:  
51:F7:0E:E9:0D:DA:B9:AD:8E  
Issuer:  
C=US  
ST=New Jersey  
L=Jersey City  
O=The USERTRUST Network  
CN=USERTrust RSA Certification Authority

## **Sectigo RSA Client Authentication and Secure Email CA**

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Public Key Type: rsaEncryption

Public Key Size: (2048 bit)  
Certificate Authority:  
C=GB  
ST=Greater Manchester  
L=Salford  
O=Sectigo Limited  
CN=Sectigo RSA Client Authentication and Secure Email CA  
Serial Number: 4D942C10D43BE09409C5812D3A2B064F  
Expires: Dec 31 23:59:59 2030 GMT  
SHA1 Fingerprint: A9:21:5D:BC:B4:18:6C:54:7D:CA:29:1B:  
88:8F:F3:0D:96:65:73:C5  
Issuer:  
C=US  
ST=New Jersey  
L=Jersey City  
O=The USERTRUST Network  
CN=USERTrust RSA Certification Authority

### **GLOBALTRUST 2015 QUALIFIED 1**

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=AT  
ST=Wien  
L=Wien  
O=e-commerce monitoring GmbH  
OU=GLOBALTRUST Certification Service  
CN=GLOBALTRUST 2015 QUALIFIED 1  
Serial Number: 0166578FB0EB1E07EAD2FC7A55  
Expires: Jun 10 00:00:00 2040 GMT  
SHA1 Fingerprint: 35:73:88:9B:E3:B1:97:3B:0F:1F:5B:C3:5D:  
23:0B:A7:CB:5F:E8:B7  
Issuer:  
C=AT  
ST=Wien  
L=Wien  
O=e-commerce monitoring GmbH  
OU=GLOBALTRUST Certification Service  
CN=GLOBALTRUST 2015

### **GLOBALTRUST 2020 ADVANCED 1**

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=AT  
O=e-commerce monitoring GmbH



CN=GLOBALTRUST 2020 ADVANCED 1  
Serial Number: 3D6ACE3EC5CB772AA6A571  
Expires: Jun 10 00:00:00 2040 GMT  
SHA1 Fingerprint: C8:3F:15:34:21:13:48:0F:C0:5D:8C:37:FB:  
3B:C2:C2:31:AD:9B:49  
Issuer:  
C=AT  
O=e-commerce monitoring GmbH  
CN=GLOBALTRUST 2020

## **Sectigo RSA Client Authentication and Secure Email CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=GB  
ST=Greater Manchester  
L=Salford  
O=Sectigo Limited  
CN=Sectigo RSA Client Authentication and Secure Email CA  
Serial Number: 4D942C10D43BE09409C5812D3A2B064F  
Expires: Dec 31 23:59:59 2030 GMT  
SHA1 Fingerprint: A9:21:5D:BC:B4:18:6C:54:7D:CA:29:1B:  
88:8F:F3:0D:96:65:73:C5  
Issuer:  
C=US  
ST=New Jersey  
L=Jersey City  
O=The USERTRUST Network  
CN=USERTrust RSA Certification Authority

## **GLOBALTRUST 2020 CLIENT 1**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=AT  
O=e-commerce monitoring GmbH  
CN=GLOBALTRUST 2020 CLIENT 1  
Serial Number: 69B0332844C87F00E2ABF5  
Expires: Jun 10 00:00:00 2040 GMT  
SHA1 Fingerprint: 44:36:46:66:33:96:29:C6:EE:84:39:0F:71:3D:CB:  
45:B5:4A:5F:46  
Issuer:  
C=AT  
O=e-commerce monitoring GmbH  
CN=GLOBALTRUST 2020

## GLOBALTRUST 2015 ADVANCED 2

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=AT  
  ST=Wien  
  L=Wien  
  O=e-commerce monitoring GmbH  
  OU=GLOBALTRUST Certification Service  
  CN=GLOBALTRUST 2015 ADVANCED 2  
Serial Number: 17CE73D90E08B652E8BD4C  
Expires: Jun 10 00:00:00 2040 GMT  
SHA1 Fingerprint: 0D:7C:9D:20:7D:C6:58:DE:63:40:BE:33:D7:EC:  
21:D2:79:B9:45:5E  
Issuer:  
  C=AT  
  ST=Wien  
  L=Wien  
  O=e-commerce monitoring GmbH  
  OU=GLOBALTRUST Certification Service  
  CN=GLOBALTRUST 2015

## I.CA Root CA/RSA 05/2022

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  CN=I.CA Root CA/RSA 05/2022  
  O=První certifikační autorita, a.s.  
  2.5.4.97=NTRCZ-26439395  
  C=CZ  
Serial Number: 05F5E102  
Expires: May 3 12:05:00 2047 GMT  
SHA1 Fingerprint: 46:1F:DD:19:E7:1C:D4:32:9A:AD:F2:24:DC:8C:  
86:28:CD:10:FA:E8  
Issuer:  
  CN=I.CA Root CA/RSA 05/2022  
  O=První certifikační autorita, a.s.  
  2.5.4.97=NTRCZ-26439395  
  C=CZ

## QuoVadis Europe Advanced CA G2

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)

Certificate Authority:

C=DE  
O=QuoVadis Trustlink Deutschland GmbH  
CN=QuoVadis Europe Advanced CA G2  
Serial Number: 0ABE129495981229DF221937401E92140ADA9BDD  
Expires: Jul 20 18:27:56 2030 GMT  
SHA1 Fingerprint: 28:0C:44:A7:FE:1E:31:EB:A2:3E:  
0F:C6:A7:EA:C6:11:FA:5B:E1:E8  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Root CA 1 G3

**QuoVadis EU Issuing Certification Authority G4**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=NL  
2.5.4.97=NTRNL-30237459  
O=QuoVadis Trustlink B.V.  
CN=QuoVadis EU Issuing Certification Authority G4  
Serial Number: 127F8B32062628C0CA3F8D44BEF9F2FA5DB1440C  
Expires: Oct 6 20:37:54 2029 GMT  
SHA1 Fingerprint: C9:92:53:54:8F:69:50:DF:C6:5B:A9:A0:56:4E:  
59:6F:AD:51:F0:C7  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Enterprise Trust CA 1 G3

**QuoVadis Enterprise Trust CA 1 G3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Enterprise Trust CA 1 G3  
Serial Number: 0AD86FA335B93EF48C8E3BF77D4C63143643ADB9  
Expires: Jun 6 14:54:27 2031 GMT  
SHA1 Fingerprint: 7F:AB:1D:0A:46:5E:09:B7:8B:7C:3D:F4:9A:23:BA:  
70:97:7F:DD:64  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Root CA 1 G3

## Root SSE CA

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    DC=sk  
    DC=sseintra  
    CN=Root SSE CA  
Serial Number: 2880182916D99CB5461C8D23BDC29073  
Expires: Mar 31 07:11:01 2042 GMT  
SHA1 Fingerprint: A5:B1:BD:92:86:03:B6:30:E4:D9:39:0B:D5:C9:FC:  
5C:5C:32:5B:99  
Issuer:  
    DC=sk  
    DC=sseintra  
    CN=Root SSE CA

## RapidSSL Global TLS RSA4096 SHA256 2022 CA1

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=US  
    O=DigiCert, Inc.  
    CN=RapidSSL Global TLS RSA4096 SHA256 2022 CA1  
Serial Number: 0A059B25F54B3D8794CC6631477538A3  
Expires: Nov 9 23:59:59 2031 GMT  
SHA1 Fingerprint: 68:F2:2B:1A:62:98:F7:DA:19:1E:61:49:ED:  
8D:E0:EF:FF:54:AD:8C  
Issuer:  
    C=US  
    O=DigiCert Inc  
    OU=www.digicert.com  
    CN=DigiCert Global Root CA

## GlobalSign

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    OU=GlobalSign Root CA - R3  
    O=GlobalSign  
    CN=GlobalSign  
Serial Number: 04000000000121585308A2  
Expires: Mar 18 10:00:00 2029 GMT  
SHA1 Fingerprint: D6:9B:56:11:48:F0:1C:77:C5:45:78:C1:09:26:DF:

5B:85:69:76:AD

Issuer:

OU=GlobalSign Root CA - R3

O=GlobalSign

CN=GlobalSign

### **GlobalSign GCC R3 PersonalSign 2 CA 2020**

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=BE

O=GlobalSign nv-sa

CN=GlobalSign GCC R3 PersonalSign 2 CA 2020

Serial Number: 784AA9103FA5BFBEDE7508B134931D00

Expires: Sep 16 00:00:00 2028 GMT

SHA1 Fingerprint: 47:94:49:90:74:4B:53:36:D9:CF:05:67:17:1E:1D:

3B:87:76:5E:1B

Issuer:

OU=GlobalSign Root CA - R3

O=GlobalSign

CN=GlobalSign

### **Certum SMIME RSA CA**

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=PL

O=Asseco Data Systems S.A.

CN=Certum SMIME RSA CA

Serial Number: 0CE13227A82CE6A3D0F357C36CB61E86

Expires: Jul 23 08:09:49 2038 GMT

SHA1 Fingerprint: 8A:2D:8E:EB:5A:B5:2F:59:9E:

17:D3:C6:49:37:63:48:3E:63:16:11

Issuer:

C=PL

O=Asseco Data Systems S.A.

OU=Certum Certification Authority

CN=Certum Trusted Root CA

### **DigiCert Assured ID Root G2**

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert Assured ID Root G2  
Serial Number: 0B931C3AD63967EA6723BFC3AF9AF44B  
Expires: Jan 15 12:00:00 2038 GMT  
SHA1 Fingerprint: A1:4B:48:D9:43:EE:0A:0E:40:90:4F:  
3C:E0:A4:C0:91:93:51:5D:3F  
Issuer:  
C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert Assured ID Root G2

### **Internal Root CA TEST**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
DC=test  
DC=zsestuff  
CN=Internal Root CA TEST  
Serial Number: 300585BCA03C20A949D962BABFE36BDF  
Expires: Apr 24 11:07:36 2069 GMT  
SHA1 Fingerprint: 6D:46:5D:9F:48:17:51:8E:66:D2:60:3F:  
9F:BB:D3:98:79:F7:D2:71  
Issuer:  
DC=test  
DC=zsestuff  
CN=Internal Root CA TEST

### **Internal Root CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
CN=Internal Root CA  
Serial Number: 71B892FEA2485F8C43DEFD5CEFCC22F5  
Expires: Mar 28 08:31:33 2069 GMT  
SHA1 Fingerprint: 38:B3:5E:72:F0:F0:F7:89:9F:21:DB:E5:4F:73:CE:  
2E:2A:FA:A8:76  
Issuer:  
CN=Internal Root CA

### **I.CA Public CA/RSA 06/2022**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    CN=I.CA Public CA/RSA 06/2022  
    O=První certifikační autorita, a.s.  
    2.5.4.97=NTRCZ-26439395  
    C=CZ  
Serial Number: 05F5E527  
Expires: Jun 17 12:00:22 2032 GMT  
SHA1 Fingerprint: 00:0C:90:CA:A3:A9:50:65:FD:2E:5D:78:36:BD:  
45:EE:ED:38:C1:8F  
Issuer:  
    CN=I.CA Root CA/RSA 05/2022  
    O=První certifikační autorita, a.s.  
    2.5.4.97=NTRCZ-26439395  
    C=CZ

## **DigiCert Global Root G2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=US  
    O=DigiCert Inc  
    OU=www.digicert.com  
    CN=DigiCert Global Root G2  
Serial Number: 033AF1E6A711A9A0BB2864B11D09FAE5  
Expires: Jan 15 12:00:00 2038 GMT  
SHA1 Fingerprint: DF:3C:24:F9:BF:D6:66:76:1B:26:80:73:FE:  
06:D1:CC:8D:4F:82:A4  
Issuer:  
    C=US  
    O=DigiCert Inc  
    OU=www.digicert.com  
    CN=DigiCert Global Root G2

## **Certum CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=PL  
    O=Unizeto Sp. z o.o.  
    CN=Certum CA  
Serial Number: 010020  
Expires: Jun 11 10:46:39 2027 GMT  
SHA1 Fingerprint: 62:52:DC:40:F7:11:43:A2:2F:DE:9E:F7:34:8E:

06:42:51:B1:81:18

Issuer:

C=PL

O=Unizeto Sp. z o.o.

CN=Certum CA

## CA Disig Root R2

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

C=SK

L=Bratislava

O=Disig a.s.

CN=CA Disig Root R2

Serial Number: 92B888DBB08AC163

Expires: Jul 19 09:15:30 2042 GMT

SHA1 Fingerprint: B5:61:EB:EA:A4:DE:E4:25:4B:69:1A:

98:A5:57:47:C2:34:C7:D9:71

Issuer:

C=SK

L=Bratislava

O=Disig a.s.

CN=CA Disig Root R2

## I.CA Test Root CA/RSA 04/2022

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

CN=I.CA Test Root CA/RSA 04/2022

O=První certifikační autorita, a.s.

2.5.4.97=NTRCZ-26439395

C=CZ

Serial Number: 05F5E102

Expires: Apr 20 00:00:00 2047 GMT

SHA1 Fingerprint: 5B:DD:88:AB:EB:F0:8C:96:F5:C5:E7:2C:FA:4E:3E:

44:B8:95:24:C5

Issuer:

CN=I.CA Test Root CA/RSA 04/2022

O=První certifikační autorita, a.s.

2.5.4.97=NTRCZ-26439395

C=CZ

## D-TRUST Root CA 3 2013

---



Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=D-Trust GmbH  
CN=D-TRUST Root CA 3 2013  
Serial Number: 0FDDAC  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: 6C:7C:CC:E7:D4:AE:51:5F:99:08:CD:  
3F:F6:E8:C3:78:DF:6F:EF:97  
Issuer:  
C=DE  
O=D-Trust GmbH  
CN=D-TRUST Root CA 3 2013

### **DigiCert Global Root CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert Global Root CA  
Serial Number: 083BE056904246B1A1756AC95991C74A  
Expires: Nov 10 00:00:00 2031 GMT  
SHA1 Fingerprint: A8:98:5D:3A:65:E5:E5:C4:B2:D7:D6:6D:40:C6:DD:  
2F:B1:9C:54:36  
Issuer:  
C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert Global Root CA

### **Certum QCA 2017**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=PL  
O=Asseco Data Systems S.A.  
CN=Certum QCA 2017  
2.5.4.97=VATPL-5170359458  
Serial Number: 7C8490C833D798A784DBFB588768233F6EBBF47F  
Expires: Mar 15 23:59:59 2028 GMT  
SHA1 Fingerprint: CD:96:D3:97:88:01:0E:AF:4E:  
67:73:1B:D3:69:D9:45:4C:67:10:2B

Issuer:  
C=PL  
O=Narodowy Bank Polski  
CN=Narodowe Centrum Certyfikacji  
2.5.4.97=VATPL-5250008198

### **E.ON Energie AG Sub CA 1 V3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=EON  
OU=CA  
CN=E.ON Energie AG Sub CA 1 V3  
Serial Number: DBC60001001C28B95515E5334B8A  
Expires: Dec 31 22:59:59 2025 GMT  
SHA1 Fingerprint: B3:DD:74:3C:3E:B3:E6:6D:98:22:52:6F:E8:87:BF:  
4D:E9:1D:8A:56  
Issuer:  
C=DE  
O=EON  
OU=CA  
CN=E.ON Group CA V2

### **E.ON Group CA V2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=EON  
OU=CA  
CN=E.ON Group CA V2  
Serial Number: 285A0001000231E1FB6AD5D741F1  
Expires: Dec 31 22:59:59 2025 GMT  
SHA1 Fingerprint: E0:5B:70:7B:EB:A8:42:10:FC:19:E3:59:3E:  
1E:D7:35:F7:F8:25:B6  
Issuer:  
C=DE  
O=TC TrustCenter GmbH  
OU=TC TrustCenter Class 2 CA  
CN=TC TrustCenter Class 2 CA II

### **E.ON Internal Devices Sub CA V4**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=E.ON SE  
CN=E.ON Internal Devices Sub CA V4  
Serial Number: 4FFEE22601F3D793636533E1CA21554598FB3606  
Expires: Jul 11 12:15:49 2028 GMT  
SHA1 Fingerprint: A2:BD:1E:  
32:88:6F:A7:74:08:C8:A1:02:05:04:98:C9:BA:9E:39:32  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Trust Anchor Root CA G1

### **Uniper Group CA 3 2020**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=D-Trust GmbH  
CN=Uniper Group CA 3 2020  
Serial Number: 7699D2C8D20FDF8573BBCD9B7F689FA1  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: F6:B7:B4:9C:C4:13:C2:7D:69:BD:7E:FC:  
12:E4:63:8D:1B:98:BE:EC  
Issuer:  
C=DE  
O=D-Trust GmbH  
CN=D-TRUST Root CA 3 2013

### **E.ON CA 2 2013 XXI**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=E.ON SE  
OU=CA  
CN=E.ON CA 2 2013 XXI  
Serial Number: 101CA6  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: FE:9F:03:75:D9:B0:EF:00:FA:DC:  
93:84:44:3D:D5:3F:9F:C2:D7:2D  
Issuer:  
C=DE

O=D-Trust GmbH  
CN=E.ON Group CA 2 2013

### **E.ON Group CA 2 2013**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=DE  
  O=D-Trust GmbH  
  CN=E.ON Group CA 2 2013  
Serial Number: 0FE43B  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: 0C:09:3A:F2:F6:84:97:9C:5F:FF:44:AE:  
63:61:24:44:0E:86:F2:CC  
Issuer:  
  C=DE  
  O=D-Trust GmbH  
  CN=D-TRUST Root CA 3 2013

### **GlobalSign Root CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=BE  
  O=GlobalSign nv-sa  
  OU=Root CA  
  CN=GlobalSign Root CA  
Serial Number: 040000000001154B5AC394  
Expires: Jan 28 12:00:00 2028 GMT  
SHA1 Fingerprint: B1:BC:96:8B:D4:F4:9D:62:2A:A8:9A:  
81:F2:15:01:52:A4:1D:82:9C  
Issuer:  
  C=BE  
  O=GlobalSign nv-sa  
  OU=Root CA  
  CN=GlobalSign Root CA

### **GLOBALTRUST**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=AT  
  L=Vienna

ST=Austria  
O=ARGE DATEN - Austrian Society for Data Protection  
OU=GLOBALTRUST Certification Service  
CN=GLOBALTRUST  
emailAddress=info@globaltrust.info  
Serial Number: 00  
Expires: Sep 18 14:12:35 2036 GMT  
SHA1 Fingerprint: 34:2C:D9:D3:06:2D:A4:8C:34:69:65:29:7F:  
08:1E:BC:2E:F6:8F:DC  
Issuer:  
C=AT  
L=Vienna  
ST=Austria  
O=ARGE DATEN - Austrian Society for Data Protection  
OU=GLOBALTRUST Certification Service  
CN=GLOBALTRUST  
emailAddress=info@globaltrust.info

### **KCA NBU SR 3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SK  
L=Bratislava  
O=Narodny bezpecnostny urad  
OU=SIBEP  
CN=KCA NBU SR 3  
Serial Number: 01  
Expires: Nov 6 07:29:09 2025 GMT  
SHA1 Fingerprint: 21:F7:3B:27:BB:BF:28:11:BB:EA:B4:F1:79:9E:  
7D:D8:92:F3:FE:85  
Issuer:  
C=SK  
L=Bratislava  
O=Narodny bezpecnostny urad  
OU=SIBEP  
CN=KCA NBU SR 3

### **NetLock Üzleti Eat. (Class B Legal) Tanúsítványkiadó**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=HU  
L=Budapest  
O=NetLock Kft.  
OU=Tanúsítványkiadók (Certification Services)

CN=NetLock Üzleti Eat. (Class B Legal) Tanúsítványkiadó  
Serial Number: 49412CE40013  
Expires: Jun 23 23:20:10 2024 GMT  
SHA1 Fingerprint: B2:B0:5A:79:00:26:6C:F2:27:92:3F:  
42:88:CC:A4:42:A8:F4:3E:7E  
Issuer:  
C=HU  
L=Budapest  
O=NetLock Kft.  
OU=Tanúsítványkiadók (Certification Services)  
CN=NetLock Arany (Class Gold) Főtanúsítvány

## **I.CA Test Public CA/RSA 04/2022**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
CN=I.CA Test Public CA/RSA 04/2022  
O=První certifikační autorita, a.s.  
2.5.4.97=NTRCZ-26439395  
C=CZ  
Serial Number: 05F5E525  
Expires: Apr 25 11:01:01 2032 GMT  
SHA1 Fingerprint: 14:EF:39:18:29:23:17:87:2C:81:6F:AB:  
10:D9:F9:5B:84:BC:17:8E  
Issuer:  
CN=I.CA Test Root CA/RSA 04/2022  
O=První certifikační autorita, a.s.  
2.5.4.97=NTRCZ-26439395  
C=CZ

## **NetLock Arany (Class Gold) Főtanúsítvány**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=HU  
L=Budapest  
O=NetLock Kft.  
OU=Tanúsítványkiadók (Certification Services)  
CN=NetLock Arany (Class Gold) Főtanúsítvány  
Serial Number: 49412CE40010  
Expires: Dec 6 15:08:21 2028 GMT  
SHA1 Fingerprint: 06:08:3F:59:3F:  
15:A1:04:A0:69:A4:6B:A9:03:D0:06:B7:97:09:91  
Issuer:  
C=HU  
L=Budapest

O=NetLock Kft.  
OU=Tanúsítványkiadók (Certification Services)  
CN=NetLock Arany (Class Gold) Főtanúsítvány

## NetLock Üzleti (Class B) Tanúsítványkiadó

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=HU  
  L=Budapest  
  O=NetLock Kft.  
  OU=Tanúsítványkiadók (Certification Services)  
  CN=NetLock Üzleti (Class B) Tanúsítványkiadó  
Serial Number: 49412CE40014  
Expires: Jun 23 23:30:29 2024 GMT  
SHA1 Fingerprint: 2B:88:63:69:86:56:76:FB:6C:1B:27:A9:AE:  
83:DA:B2:E7:7D:D3:D1  
Issuer:  
  C=HU  
  L=Budapest  
  O=NetLock Kft.  
  OU=Tanúsítványkiadók (Certification Services)  
  CN=NetLock Arany (Class Gold) Főtanúsítvány

## A-CERT ADVANCED

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=AT  
  L=Vienna  
  O=ARGE DATEN -  
  Austrian Society for Data Protection and Privacy  
  CN=A-CERT ADVANCED  
  emailAddress=info@globaltrust.eu  
Serial Number: 14  
Expires: Sep 18 00:00:00 2036 GMT  
SHA1 Fingerprint: DF:91:B8:46:C8:54:6D:60:F8:D0:3A:50:28:7C:  
37:A4:40:21:35:FD  
Issuer:  
  C=AT  
  L=Vienna  
  ST=Austria  
  O=ARGE DATEN - Austrian Society for Data Protection  
  OU=GLOBALTRUST Certification Service  
  CN=GLOBALTRUST  
  emailAddress=info@globaltrust.info

## Configuration

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    DC=rs  
    DC=posta  
    DC=ca  
    CN=Configuration  
    CN=Services  
    CN=Public Key Services  
    CN=AIA  
    CN=Posta CA Root  
Serial Number: 48FC7EF5  
Expires: Oct 20 12:52:08 2028 GMT  
SHA1 Fingerprint: D6:BF:79:94:F4:2B:E5:FA:29:DA:0B:D7:58:7B:  
59:1F:47:A4:4F:22  
Issuer:  
    DC=rs  
    DC=posta  
    DC=ca  
    CN=Configuration  
    CN=Services  
    CN=Public Key Services  
    CN=AIA  
    CN=Posta CA Root

## Uniper Root CA 3 2020

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=DE  
    O=Uniper Holding GmbH  
    CN=Uniper Root CA 3 2020  
Serial Number: 70C87BAEED8C0674A525C136C8668C07  
Expires: Apr 7 08:54:59 2035 GMT  
SHA1 Fingerprint: 66:A4:2E:AF:43:B3:C9:3B:47:50:FD:5B:CB:8C:  
16:7B:FF:DF:F3:0D  
Issuer:  
    C=DE  
    O=Uniper Holding GmbH  
    CN=Uniper Root CA 3 2020

## Configuration

---



Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

DC=rs

DC=posta

DC=ca

CN=Configuration

CN=Services

CN=Public Key Services

CN=AIA

CN=Posta CA 1

Serial Number: 48FC7F2C

Expires: Oct 14 22:00:00 2028 GMT

SHA1 Fingerprint: F0:41:78:C0:5C:F7:C0:F2:D1:30:BB:90:6E:

8E:F9:9B:26:C5:20:EF

Issuer:

DC=rs

DC=posta

DC=ca

CN=Configuration

CN=Services

CN=Public Key Services

CN=AIA

CN=Posta CA Root

## Root SSE CA

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

DC=sk

DC=sseintra

CN=Root SSE CA

Serial Number: 3FF743932991B3B747F461C8C041EE02

Expires: Oct 20 14:20:50 2030 GMT

SHA1 Fingerprint: 72:26:7C:A2:62:76:40:31:08:FC:40:F5:37:0E:

4B:D2:9C:75:2B:C5

Issuer:

DC=sk

DC=sseintra

CN=Root SSE CA

## SSE Root CA

---

Public Key Type: rsaEncryption

Public Key Size: (2048 bit)

Certificate Authority:

DC=sk  
DC=sseintra  
CN=SSE Root CA  
Serial Number: 30D4B311D7D722B64D18F93AAC33A09B  
Expires: Feb 17 10:25:49 2025 GMT  
SHA1 Fingerprint: 90:63:99:38:8F:FF:F9:8F:  
43:E7:CC:E1:54:39:05:A4:A1:9A:48:55  
Issuer:  
DC=sk  
DC=sseintra  
CN=SSE Root CA

## **SVK eID PCA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SK  
L=Bratislava  
O=Disig a.s.  
CN=SVK eID PCA  
Serial Number: 01B41BF2206301122014  
Expires: Nov 22 23:58:38 2033 GMT  
SHA1 Fingerprint: EE:DA:E9:DC:E1:F7:1B:4C:75:CF:C8:3B:  
87:9D:E2:C6:8E:E4:FA:93  
Issuer:  
C=SK  
L=Bratislava  
O=Disig a.s.  
CN=SVK eID Root CA

## **SVK eID Root CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SK  
L=Bratislava  
O=Disig a.s.  
CN=SVK eID Root CA  
Serial Number: DDBC6FEC11ECCB5A  
Expires: Nov 13 21:42:48 2043 GMT  
SHA1 Fingerprint: 4F:E7:E7:5D:54:3A:50:63:65:4F:84:57:A7:7D:  
05:0F:C5:81:68:73  
Issuer:  
C=SK  
L=Bratislava  
O=Disig a.s.

CN=SVK eID Root CA

## GlobalSign

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    OU=GlobalSign Root CA - R6  
    O=GlobalSign  
    CN=GlobalSign  
Serial Number: 45E6BB038333C3856548E6FF4551  
Expires: Dec 10 00:00:00 2034 GMT  
SHA1 Fingerprint: 80:94:64:0E:B5:A7:A1:CA:11:9C:1F:DD:D5:9F:  
81:02:63:A7:FB:D1  
Issuer:  
    OU=GlobalSign Root CA - R6  
    O=GlobalSign  
    CN=GlobalSign

## TC TrustCenter Class 2 CA II

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=DE  
    O=TC TrustCenter GmbH  
    OU=TC TrustCenter Class 2 CA  
    CN=TC TrustCenter Class 2 CA II  
Serial Number: 2E6A000100021FD752212C115C3B  
Expires: Dec 31 22:59:59 2025 GMT  
SHA1 Fingerprint: AE:50:83:ED:7C:F4:5C:BC:8F:61:C6:21:FE:68:5D:  
79:42:21:15:6E  
Issuer:  
    C=DE  
    O=TC TrustCenter GmbH  
    OU=TC TrustCenter Class 2 CA  
    CN=TC TrustCenter Class 2 CA II

## A-CERT CLIENT

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=AT  
    L=Vienna  
    O=ARGE DATEN -

Austrian Society for Data Protection and Privacy  
CN=A-CERT CLIENT  
emailAddress=info@globaltrust.eu  
Serial Number: 15  
Expires: Sep 18 00:00:00 2036 GMT  
SHA1 Fingerprint: 02:60:53:7C:55:90:EA:12:CE:  
05:D7:8A:D1:FA:D5:9C:38:91:FD:4B  
Issuer:  
C=AT  
L=Vienna  
ST=Austria  
O=ARGE DATEN - Austrian Society for Data Protection  
OU=GLOBALTRUST Certification Service  
CN=GLOBALTRUST  
emailAddress=info@globaltrust.info

### **TC TrustCenter Class 2 L1 CA XI**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=TC TrustCenter GmbH  
OU=TC TrustCenter Class 2 L1 CA  
CN=TC TrustCenter Class 2 L1 CA XI  
Serial Number: 1C5000010002854359F1F32ECD26  
Expires: Dec 31 21:59:59 2025 GMT  
SHA1 Fingerprint: 4C:37:58:79:7A:AE:43:74:25:FC:D8:D9:CA:7D:  
1A:B4:64:0D:CE:37  
Issuer:  
C=DE  
O=TC TrustCenter GmbH  
OU=TC TrustCenter Class 2 CA  
CN=TC TrustCenter Class 2 CA II

### **VATTENFALL ENERGY TRADING NETHERLANDS NV CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
O=VATTENFALL ENERGY TRADING NETHERLANDS NV  
CN=VATTENFALL ENERGY TRADING NETHERLANDS NV CA  
Serial Number: 4D733C72CCB72179E3293039E6C6508F  
Expires: Jul 9 23:59:59 2024 GMT  
SHA1 Fingerprint: 7C:A0:3F:AE:C9:38:D1:E0:A6:4C:5E:0F:  
69:66:A9:5C:28:2D:B1:21  
Issuer:  
O=VATTENFALL ENERGY TRADING NETHERLANDS NV

CN=VATTENFALL ENERGY TRADING NETHERLANDS NV CA

### **GlobalSign Client Authentication Root R45**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=BE  
    O=GlobalSign nv-sa  
    CN=GlobalSign Client Authentication Root R45  
Serial Number: 7653FEB9F5C7DBEA8BA478D43E3D6BF6  
Expires: Mar 18 00:00:00 2045 GMT  
SHA1 Fingerprint: DC:77:5C:1C:87:4F:1B:BF:51:09:9F:6F:B1:29:DB:  
99:FF:08:EB:52  
Issuer:  
    C=BE  
    O=GlobalSign nv-sa  
    CN=GlobalSign Client Authentication Root R45

### **VSE Certification Authority**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=SK  
    L=Kosice  
    O=Vychodoslovenska energetika a. s.  
    CN=VSE Certification Authority  
Serial Number: 67FB0D8E8404569546CC71CFCD5D08C1  
Expires: Dec 21 08:59:30 2041 GMT  
SHA1 Fingerprint: E3:DD:79:1F:7D:13:BD:4B:45:0A:FF:  
7B:C4:04:D7:E8:0F:97:4B:41  
Issuer:  
    C=SK  
    L=Kosice  
    O=Vychodoslovenska energetika a. s.  
    CN=VSE Certification Authority

### **VeriSign Class 3 Public Primary Certification Authority - G5**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=US  
    O=VeriSign, Inc.  
    OU=VeriSign Trust Network

OU=(c) 2006 VeriSign, Inc. - For authorized use only  
CN=VeriSign Class 3 Public Primary Certification Authority -  
G5  
Serial Number: 18DAD19E267DE8BB4A2158CDCC6B3B4A  
Expires: Jul 16 23:59:59 2036 GMT  
SHA1 Fingerprint: 4E:B6:D5:78:49:9B:1C:CF:5F:58:1E:AD:56:BE:3D:  
9B:67:44:A5:E5  
Issuer:  
C=US  
O=VeriSign, Inc.  
OU=VeriSign Trust Network  
OU=(c) 2006 VeriSign, Inc. - For authorized use only  
CN=VeriSign Class 3 Public Primary Certification Authority -  
G5

### PostSignum Root QCA 2

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=CZ  
O=Česká pošta, s.p. [IČ 47114983]  
CN=PostSignum Root QCA 2  
Serial Number: 64  
Expires: Jan 19 08:04:31 2025 GMT  
SHA1 Fingerprint: A0:F8:DB:3F:0B:F4:17:69:3B:28:2E:B7:4A:  
6A:D8:6D:F9:D4:48:A3  
Issuer:  
C=CZ  
O=Česká pošta, s.p. [IČ 47114983]  
CN=PostSignum Root QCA 2

### Uniper CA 2 2015 XXXI

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=Uniper Holding GmbH  
OU=CA  
CN=Uniper CA 2 2015 XXXI  
Serial Number: 169A5B  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: B0:82:EE:5E:F9:DD:A7:85:BF:84:3A:  
63:D4:18:C6:DA:57:75:F1:DF  
Issuer:  
C=DE  
O=D-Trust GmbH

CN=Uniper Group CA 2 2015

### **GlobalSign GCC R6 SMIME CA 2023**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=BE  
    O=GlobalSign nv-sa  
    CN=GlobalSign GCC R6 SMIME CA 2023  
Serial Number: 7E87C3092ED766EF2F21E2A8D0A798F4  
Expires: Apr 19 00:00:00 2029 GMT  
SHA1 Fingerprint: 20:B1:18:53:17:99:6D:44:46:C7:5F:  
59:77:52:E6:4C:E3:9A:1F:73  
Issuer:  
    OU=GlobalSign Root CA - R6  
    O=GlobalSign  
    CN=GlobalSign

### **Uniper Group CA 2 2015**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=DE  
    O=D-Trust GmbH  
    CN=Uniper Group CA 2 2015  
Serial Number: 0FE44C  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: 26:08:D1:B2:03:77:DC:0E:BC:14:E6:B7:A3:4B:  
03:86:BE:11:7C:AD  
Issuer:  
    C=DE  
    O=D-Trust GmbH  
    CN=D-TRUST Root CA 3 2013

### **QuoVadis Trust Anchor Root CA G2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=BM  
    O=QuoVadis Limited  
    CN=QuoVadis Trust Anchor Root CA G2  
Serial Number: 1A5E4C5E6244ECAFEACB0A25ACC8EB3ABFF48D6C  
Expires: Apr 9 14:58:47 2040 GMT

SHA1 Fingerprint: 5C:F4:A2:58:0F:F6:E0:73:98:6F:A1:09:CD:  
47:06:8D:D6:9F:77:73  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Trust Anchor Root CA G2

### **E.ON Internal Devices Sub CA V5 G2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=E.ON SE  
CN=E.ON Internal Devices Sub CA V5 G2  
Serial Number: 05975DE1D075956D456F03FE8465BDB860763CAC  
Expires: Apr 28 14:09:51 2030 GMT  
SHA1 Fingerprint: F2:62:0B:63:0B:D8:F3:DB:  
84:95:57:11:18:82:26:37:31:69:5E:D7  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Trust Anchor Root CA G2

### **MOL Root CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=HU  
O=MOL  
CN=MOL Root CA  
Serial Number: 4B682423F4D3BA8B4F4A7730C2C4C0BF  
Expires: Dec 5 11:52:41 2032 GMT  
SHA1 Fingerprint: 13:F1:A2:E9:AA:9A:36:B7:EF:74:69:98:B7:1B:  
66:9C:2D:61:1A:DF  
Issuer:  
C=HU  
O=MOL  
CN=MOL Root CA

### **I.CA Public CA/RSA 07/2015**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:



C=CZ  
CN=I.CA Public CA/RSA 07/2015  
O=První certifikační autorita, a.s.  
serialNumber=NTRCZ-26439395  
Serial Number: 05F5E4EB  
Expires: Jul 5 12:36:40 2025 GMT  
SHA1 Fingerprint: A9:D6:B0:AF:DD:51:69:1A:2F:91:30:D9:AF:99:8C:  
81:95:F9:7A:83  
Issuer:  
C=CZ  
O=První certifikační autorita, a.s.  
CN=I.CA Root CA/RSA  
serialNumber=NTRCZ-26439395

### **GlobalSign GCC R45 PersonalSign 3 CA 2020**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=BE  
O=GlobalSign nv-sa  
CN=GlobalSign GCC R45 PersonalSign 3 CA 2020  
Serial Number: 784AAA166E730A98DDA60C13694890F2  
Expires: Oct 21 00:00:00 2025 GMT  
SHA1 Fingerprint: 10:2A:76:5C:A7:C8:CA:FF:86:A7:24:43:FC:  
80:E2:EE:6B:A5:A8:6E  
Issuer:  
C=BE  
O=GlobalSign nv-sa  
CN=GlobalSign Client Authentication Root R45

### **I.CA Root CA/RSA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=CZ  
O=První certifikační autorita, a.s.  
CN=I.CA Root CA/RSA  
serialNumber=NTRCZ-26439395  
Serial Number: 05F5E100  
Expires: May 27 12:20:00 2040 GMT  
SHA1 Fingerprint: 9B:09:59:89:81:54:08:1B:F6:A9:0E:9B:9E:  
58:A4:69:0C:9B:A1:04  
Issuer:  
C=CZ  
O=První certifikační autorita, a.s.  
CN=I.CA Root CA/RSA

serialNumber=NTRCZ-26439395

### **I.CA Qualified 2 CA/RSA 02/2016**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=CZ  
    CN=I.CA Qualified 2 CA/RSA 02/2016  
    O=První certifikační autorita, a.s.  
    serialNumber=NTRCZ-26439395  
Serial Number: 05F5E4EE  
Expires: Feb 8 12:17:11 2026 GMT  
SHA1 Fingerprint: ED:A1:DC:D6:03:09:68:DD:5F:  
41:D6:06:56:72:41:CB:80:DD:3A:B1  
Issuer:  
    C=CZ  
    O=První certifikační autorita, a.s.  
    CN=I.CA Root CA/RSA  
    serialNumber=NTRCZ-26439395

### **I.CA Qualified CA/RSA 07/2015**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=CZ  
    CN=I.CA Qualified CA/RSA 07/2015  
    O=První certifikační autorita, a.s.  
    serialNumber=NTRCZ-26439395  
Serial Number: 05F5E4EC  
Expires: Jul 5 12:37:26 2025 GMT  
SHA1 Fingerprint: B2:7B:C0:37:E4:B4:9B:BA:7A:D2:B7:A5:41:AA:  
22:F0:E0:9B:8E:D1  
Issuer:  
    C=CZ  
    O=První certifikační autorita, a.s.  
    CN=I.CA Root CA/RSA  
    serialNumber=NTRCZ-26439395

### **CA Disig QCA3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=SK

L=Bratislava  
serialNumber=NTRSK-35975946  
O=Disig a.s.  
OU=ACA-307-2007-2  
CN=CA Disig QCA3  
Serial Number: 077A  
Expires: Nov 4 07:36:41 2025 GMT  
SHA1 Fingerprint: 18:21:29:49:52:74:32:9D:FD:  
91:88:95:BF:A8:F6:DE:1E:7B:78:70  
Issuer:  
C=SK  
L=Bratislava  
O=Narodny bezpecnostny urad  
OU=SIBEP  
CN=KCA NBU SR 3

### **CA-INTER-OKTE\_2022**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SK  
ST=Slovakia  
L=Bratislava  
O=OKTE, a.s.  
OU=IT  
CN=CA-INTER-OKTE\_2022  
emailAddress=admin@okte.sk  
Serial Number: 480000000D2E30F36CD465AACC00000000000D  
Expires: Oct 2 10:33:55 2027 GMT  
SHA1 Fingerprint: 76:F1:AE:57:00:3D:31:9F:4B:AA:9C:73:DB:  
22:32:11:54:FE:E2:05  
Issuer:  
DC=sk  
DC=okte  
DC=is  
CN=CA-ROOT-OKTE

### **GLOBALTRUST ADVANCED 1**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=AT  
ST=Wien  
L=Wien  
O=e-commerce monitoring GmbH  
OU=GLOBALTRUST Certification Service

CN=GLOBALTRUST ADVANCED 1  
emailAddress=info@globaltrust.eu  
Serial Number: 01CA916E03BAA2DB597EEA8A54  
Expires: Sep 18 00:00:00 2036 GMT  
SHA1 Fingerprint: 4C:13:07:BA:A0:23:6B:57:34:7C:E0:4C:BB:  
94:CE:A6:77:77:B7:B8  
Issuer:  
C=AT  
L=Vienna  
ST=Austria  
O=ARGE DATEN - Austrian Society for Data Protection  
OU=GLOBALTRUST Certification Service  
CN=GLOBALTRUST  
emailAddress=info@globaltrust.info

### **VSE Holding Certification Authority**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SK  
L=Kosice  
O=Vychodoslovenska energetika Holding a.s.  
CN=VSE Holding Certification Authority  
Serial Number: 2969CED66A4F68A94005BCA615E5E2E2  
Expires: Jan 23 12:46:02 2037 GMT  
SHA1 Fingerprint: E4:67:DD:AC:3B:5C:AD:  
10:72:B2:42:D6:A5:A2:DA:CC:EC:ED:F0:CE  
Issuer:  
C=SK  
L=Kosice  
O=Vychodoslovenska energetika Holding a.s.  
CN=VSE Holding Certification Authority

### **POSTArCA Root**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SI  
O=POSTA SLOVENIJE d.o.o.  
2.5.4.97=VATSI-25028022  
CN=POSTArCA Root  
Serial Number: 252A24F900000000595222E6  
Expires: Jun 27 09:18:44 2037 GMT  
SHA1 Fingerprint: 7B:5B:DA:71:03:1B:4C:AA:84:F2:0B:9F:68:6E:  
11:6F:70:3F:EB:45  
Issuer:

C=SI  
O=POSTA SLOVENIJE d.o.o.  
2.5.4.97=VATSI-25028022  
CN=POSTArCA Root

## **POSTArCA G2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=SI  
O=POSTA SLOVENIJE d.o.o.  
2.5.4.97=VATSI-25028022  
CN=POSTArCA G2  
Serial Number: 16D01B840000000059522321  
Expires: Jun 27 10:22:52 2035 GMT  
SHA1 Fingerprint: D8:A4:42:C1:00:10:F4:59:C1:A4:AA:DC:A7:50:EA:  
36:3B:39:8A:C2  
Issuer:  
C=SI  
O=POSTA SLOVENIJE d.o.o.  
2.5.4.97=VATSI-25028022  
CN=POSTArCA Root

## **QuoVadis Root CA 1 G3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Root CA 1 G3  
Serial Number: 78585F2EAD2C194BE3370735341328B596D46593  
Expires: Jan 12 17:27:44 2042 GMT  
SHA1 Fingerprint: 1B:8E:EA:57:96:29:1A:C9:39:EA:B8:0A:81:1A:  
73:73:C0:93:79:67  
Issuer:  
C=BM  
O=QuoVadis Limited  
CN=QuoVadis Root CA 1 G3

## **InfoCert Servizi di Certificazione 2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:

C=IT  
O=INFOCERT SPA  
OU=Ente Certificatore  
serialNumber=07945211006  
CN=InfoCert Servizi di Certificazione 2  
Serial Number: 02  
Expires: Apr 19 15:29:27 2029 GMT  
SHA1 Fingerprint: 6D:64:E7:89:52:7E:82:A8:98:E8:98:CB:  
35:39:72:1A:BE:D3:FE:4B  
Issuer:  
C=IT  
O=INFOCERT SPA  
OU=Ente Certificatore  
serialNumber=07945211006  
CN=InfoCert Servizi di Certificazione 2

### **Certum Trusted Network CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=PL  
O=Unizeto Technologies S.A.  
OU=Certum Certification Authority  
CN=Certum Trusted Network CA  
Serial Number: 0444C0  
Expires: Dec 31 12:07:37 2029 GMT  
SHA1 Fingerprint: 07:E0:32:E0:20:B7:2C:3F:19:2F:06:28:A2:59:3A:  
19:A7:0F:06:9E  
Issuer:  
C=PL  
O=Unizeto Technologies S.A.  
OU=Certum Certification Authority  
CN=Certum Trusted Network CA

### **GlobalSign PersonalSign 3 CA - SHA256 - G3**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=BE  
O=GlobalSign nv-sa  
CN=GlobalSign PersonalSign 3 CA - SHA256 - G3  
Serial Number: 481B6A09801B74914555531CD42D  
Expires: Jun 15 00:00:00 2024 GMT  
SHA1 Fingerprint: 4E:7B:B1:74:99:36:A0:44:55:22:50:0A:D4:7D:EB:  
56:83:20:F0:E1  
Issuer:

OU=GlobalSign Root CA - R3  
O=GlobalSign  
CN=GlobalSign

### **DigiCert SHA2 Assured ID CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert SHA2 Assured ID CA  
Serial Number: 04AE7960666901AB9C57FA66C5BDCCD  
Expires: Nov 5 12:00:00 2028 GMT  
SHA1 Fingerprint: E1:2D:2E:8D:47:B6:4F:46:9F:51:88:02:DF:BD:  
99:C0:D8:6D:3C:6A  
Issuer:  
C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert Assured ID Root CA

### **COMODO RSA Client Authentication and Secure Email CA**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=GB  
ST=Greater Manchester  
L=Salford  
O=COMODO CA Limited  
CN=COMODO RSA Client Authentication and Secure Email CA  
Serial Number: 6A9BE1383BFF2B6B9F01D5D9B8A75256  
Expires: Jan 9 23:59:59 2028 GMT  
SHA1 Fingerprint: 70:5E:80:0A:29:17:46:C0:5A:  
7A:C6:E7:08:8B:A9:66:BC:99:CE:BB  
Issuer:  
C=GB  
ST=Greater Manchester  
L=Salford  
O=COMODO CA Limited  
CN=COMODO RSA Certification Authority

### **CA-ROOT-OKTE**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    DC=sk  
    DC=okte  
    DC=is  
    CN=CA-ROOT-OKTE  
Serial Number: 1C1B907106E558884EA553E83D9DED87  
Expires: Jun 1 08:48:16 2031 GMT  
SHA1 Fingerprint: 8D:  
3E:DD:A7:37:F1:B7:04:C6:98:30:A7:02:77:40:79:EB:4C:D2:0E  
Issuer:  
    DC=sk  
    DC=okte  
    DC=is  
    CN=CA-ROOT-OKTE

### **CA Disig R2I3 Certification Service**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=SK  
    L=Bratislava  
    O=Disig a.s.  
    CN=CA Disig R2I3 Certification Service  
Serial Number: 08A2395BA703AFFDAC0000000000000004  
Expires: Sep 28 12:25:19 2029 GMT  
SHA1 Fingerprint: 14:32:AC:3C:02:C8:C8:9D:61:79:A4:0B:2E:FF:6B:  
5A:D5:DA:5D:7F  
Issuer:  
    C=SK  
    L=Bratislava  
    O=Disig a.s.  
    CN=CA Disig Root R2

### **Disig CA External**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
    C=SK  
    L=Bratislava  
    O=Disig a.s.  
    CN=Disig CA External  
Serial Number: E3D0CD94AA97D2DB  
Expires: May 4 12:13:11 2036 GMT



SHA1 Fingerprint: D0:74:F6:20:AA:A1:68:B9:22:FD:7B:  
10:63:60:02:3F:7D:9F:F9:65  
Issuer:  
C=SK  
L=Bratislava  
O=Disig a.s.  
CN=Disig CA External

#### **PostSignum Public CA 4**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=CZ  
2.5.4.97=NTRCZ-47114983  
O=Česká pošta, s.p.  
CN=PostSignum Public CA 4  
Serial Number: 1013  
Expires: Sep 27 10:19:35 2033 GMT  
SHA1 Fingerprint: 13:11:E1:6D:99:03:F9:14:16:7E:22:2B:  
23:26:F6:99:D4:83:5F:EE  
Issuer:  
C=CZ  
2.5.4.97=NTRCZ-47114983  
O=Česká pošta, s.p.  
CN=PostSignum Root QCA 4

#### **PostSignum Root QCA 4**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=CZ  
2.5.4.97=NTRCZ-47114983  
O=Česká pošta, s.p.  
CN=PostSignum Root QCA 4  
Serial Number: 0FA0  
Expires: Jul 26 09:56:08 2038 GMT  
SHA1 Fingerprint: AA:40:D2:57:9B:A8:24:24:CD:27:71:9B:1D:6B:1F:  
35:71:73:80:99  
Issuer:  
C=CZ  
2.5.4.97=NTRCZ-47114983  
O=Česká pošta, s.p.  
CN=PostSignum Root QCA 4

#### **PostSignum Qualified CA 4**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=CZ  
  2.5.4.97=NTRCZ-47114983  
  O=Česká pošta, s.p.  
  CN=PostSignum Qualified CA 4  
Serial Number: 1011  
Expires: Sep 27 07:39:23 2033 GMT  
SHA1 Fingerprint: 40:A8:EF:B4:68:16:8E:FD:  
20:A4:86:34:4A:C8:99:F0:31:FB:61:97  
Issuer:  
  C=CZ  
  2.5.4.97=NTRCZ-47114983  
  O=Česká pošta, s.p.  
  CN=PostSignum Root QCA 4

### **GLOBALTRUST 2015 CLIENT 1**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=AT  
  ST=Wien  
  L=Wien  
  O=e-commerce monitoring GmbH  
  OU=GLOBALTRUST Certification Service  
  CN=GLOBALTRUST 2015 CLIENT 1  
Serial Number: 010D6B0F48EDC1844B46E3CE56  
Expires: Jun 10 00:00:00 2040 GMT  
SHA1 Fingerprint: F3:72:01:48:C6:6E:3B:B9:6C:E3:A4:E8:A9:25:7F:  
9F:71:DB:84:F2  
Issuer:  
  C=AT  
  ST=Wien  
  L=Wien  
  O=e-commerce monitoring GmbH  
  OU=GLOBALTRUST Certification Service  
  CN=GLOBALTRUST 2015

### **Thawte RSA CA 2018**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=US

O=DigiCert Inc  
OU=www.digicert.com  
CN=Thawte RSA CA 2018  
Serial Number: 025A8AEF196F7E0D6C2104B21AE6702B  
Expires: Nov 6 12:23:52 2027 GMT  
SHA1 Fingerprint: 4D:EE:A7:06:0D:80:BA:BF:16:43:B4:E0:F0:10:4C:  
82:99:50:75:B7  
Issuer:  
C=US  
O=DigiCert Inc  
OU=www.digicert.com  
CN=DigiCert Global Root CA

### **Certum Digital Identification CA SHA2**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=PL  
O=Unizeto Technologies S.A.  
OU=Certum Certification Authority  
CN=Certum Digital Identification CA SHA2  
Serial Number: 66DAEF03DB8461916B25BA83FB174E13  
Expires: Jun 9 12:45:26 2027 GMT  
SHA1 Fingerprint: 8F:9B:FF:CE:88:88:3A:08:AA:DF:8D:  
6D:D7:23:8E:E3:E5:3E:49:84  
Issuer:  
C=PL  
O=Unizeto Technologies S.A.  
OU=Certum Certification Authority  
CN=Certum Trusted Network CA

### **Uniper Auth CA 3 2020**

---

Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
C=DE  
O=Uniper Holding GmbH  
OU=CA  
CN=Uniper Auth CA 3 2020  
Serial Number: 6C64574E09BF6701389C579B9EDA3C47  
Expires: Apr 7 08:54:59 2035 GMT  
SHA1 Fingerprint: DD:3F:0C:FE:7D:7C:  
45:26:69:B6:79:79:74:C2:34:5A:F1:1A:AD:5B  
Issuer:  
C=DE  
O=Uniper Holding GmbH

CN=Uniper Root CA 3 2020

## Uniper CA 3 2020 XXXI

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=DE  
  O=Uniper Holding GmbH  
  OU=CA  
  CN=Uniper CA 3 2020 XXXI  
Serial Number: 652417202394B820A7ABB8DA78C11DA4  
Expires: Sep 20 08:25:51 2028 GMT  
SHA1 Fingerprint: 70:99:7F:96:22:B0:34:1A:9E:  
3A:E1:EF:F7:39:71:4C:10:DB:B6:43  
Issuer:  
  C=DE  
  O=D-Trust GmbH  
  CN=Uniper Group CA 3 2020

## AAA Certificate Services

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Public Key Type: rsaEncryption  
Public Key Size: (2048 bit)  
Certificate Authority:  
  C=GB  
  ST=Greater Manchester  
  L=Salford  
  O=Comodo CA Limited  
  CN=AAA Certificate Services  
Serial Number: 01  
Expires: Dec 31 23:59:59 2028 GMT  
SHA1 Fingerprint: D1:EB:23:A4:6D:  
17:D6:8F:D9:25:64:C2:F1:F1:60:17:64:D8:E3:49  
Issuer:  
  C=GB  
  ST=Greater Manchester  
  L=Salford  
  O=Comodo CA Limited  
  CN=AAA Certificate Services