

## A-CERT ADVANCED

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 18 00:00:00 2036 GMT
Version	3
Serial Number	20
Subject	Common Name: A-CERT ADVANCED Organization: ARGE DATEN - Austrian Society for Data Protection and Privacy Division: Locality: Vienna State Or Province: Country: AT
Issuer	Common Name: GLOBALTRUST Organizational Unit: ARGE DATEN - Austrian Society for Data Protection Division: GLOBALTRUST Certification Service Locality: Vienna State Or Province: Austria Country: AT
Email	info@globaltrust.eu
Subject Alternative Name	email:info@globaltrust.eu

## A-CERT CLIENT

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 18 00:00:00 2036 GMT
Version	3
Serial Number	21
Subject	Common Name: A-CERT CLIENT Organization: ARGE DATEN - Austrian Society for Data Protection and Privacy Division: Locality: Vienna State Or Province: Country: AT
Issuer	Common Name: GLOBALTRUST Organizational Unit: ARGE DATEN - Austrian Society for Data Protection Division: GLOBALTRUST Certification Service Locality: Vienna State Or Province: Austria Country: AT
Email	info@globaltrust.eu
Subject Alternative Name	email:info@globaltrust.eu

## CERTUM LEVEL IV CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Mar 3 12:54:25 2024 GMT
Version	3
Serial Number	4c:a5:fe:c6:61:7c:48:b0:56:38:2a:82:80:e0:50:8c
Subject	Common Name: Certum Level IV CA Organization: Unizeto Technologies S.A. Division: Certum Certification Authority Locality: State Or Province: Country: PL
Issuer	Common Name: Certum CA Organizational Unit: Unizeto Sp. z o.o. Division: Locality: State Or Province: Country: PL
Email	
Subject Alternative Name	

## D-TRUST Root CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 20 08:25:51 2028 GMT
Version	3
Serial Number	1039788
Subject	Common Name: D-TRUST Root CA 3 2013 Organization: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Issuer	Self
Email	
Subject Alternative Name	

## DigiCERT GLOBAL Root CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Nov 10 00:00:00 2031 GMT
Version	3
Serial Number	08:3b:e0:56:90:42:46:b1:a1:75:6a:c9:59:91:c7:4a
Subject	Common Name: DigiCert Global Root CA Organization: DigiCert Inc Division: www.digicert.com Locality: State Or Province: Country: US
Issuer	Self
Email	
Subject Alternative Name	

## DigiCERT Secure Server CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Mar 8 12:00:00 2023 GMT
Version	3
Serial Number	06:9e:1d:b7:7f:cf:1d:fb:a9:7a:f5:e5:c9:a2:40:37
Subject	Common Name: DigiCert Secure Server CA Organization: DigiCert Inc Division: Locality: State Or Province: Country: US
Issuer	Common Name: DigiCert Global Root CA Organizational Unit: DigiCert Inc Division: www.digicert.com Locality: State Or Province: Country: US
Email	
Subject Alternative Name	

## E. ON Energie AG Sub CA 1 V3

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 22:59:59 2025 GMT
Version	3
Serial Number	db:c6:00:01:00:1c:28:b9:55:15:e5:33:4b:8a
Subject	Common Name: E.ON Energie AG Sub CA 1 V3 Organization: EON Division: CA Locality: State Or Province: Country: DE
Issuer	Common Name: E.ON Group CA V2 Organizational Unit: EON Division: CA Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## E.ON Group CA V2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 22:59:59 2025 GMT
Version	3
Serial Number	28:5a:00:01:00:02:31:e1:fb:6a:d5:d7:41:f1
Subject	Common Name: E.ON Group CA V2 Organization: EON Division: CA Locality: State Or Province: Country: DE
Issuer	Common Name: TC TrustCenter Class 2 CA II Organizational Unit: TC TrustCenter GmbH Division: TC TrustCenter Class 2 CA Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## E.ON Internal Devices Sub CA V4

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jul 11 12:15:49 2028 GMT
Version	3
Serial Number	4f:fe:e2:26:01:f3:d7:93:63:65:33:e1:ca:21:55:45:98:fb:36:06
Subject	Common Name: E.ON Internal Devices Sub CA V4 Organization: E.ON SE Division: Locality: State Or Province: Country: DE
Issuer	Common Name: QuoVadis Trust Anchor Root CA G1 Organizational Unit: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Email	
Subject Alternative Name	

## E.ON Energie AG Sub CA 1 V3

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 22:59:59 2025 GMT
Version	3
Serial Number	db:c6:00:01:00:1c:28:b9:55:15:e5:33:4b:8a
Subject	Common Name: E.ON Energie AG Sub CA 1 V3 Organization: EON Division: CA Locality: State Or Province: Country: DE
Issuer	Common Name: E.ON Group CA V2 Organizational Unit: EON Division: CA Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## E.ON Group CA V2, EON

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 22:59:59 2025 GMT
Version	3
Serial Number	28:5a:00:01:00:02:31:e1:fb:6a:d5:d7:41:f1
Subject	Common Name: E.ON Group CA V2 Organization: EON Division: CA Locality: State Or Province: Country: DE
Issuer	Common Name: TC TrustCenter Class 2 CA II Organizational Unit: TC TrustCenter GmbH Division: TC TrustCenter Class 2 CA Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## E.ON CA 2 2013 XXI

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 20 08:25:51 2028 GMT
Version	3
Serial Number	1055910
Subject	Common Name: E.ON CA 2 2013 XXI Organization: E.ON SE Division: CA Locality: State Or Province: Country: DE
Issuer	Common Name: E.ON Group CA 2 2013 Organizational Unit: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## E.ON Group CA 2 2013

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 20 08:25:51 2028 GMT
Version	3
Serial Number	1041467
Subject	Common Name: E.ON Group CA 2 2013 Organization: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Issuer	Common Name: D-TRUST Root CA 3 2013 Organizational Unit: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## GlobalSign

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Mar 18 10:00:00 2029 GMT
Version	3
Serial Number	04:00:00:00:00:01:21:58:53:08:a2
Subject	Common Name: GlobalSign Organization: GlobalSign Division: GlobalSign Root CA - R3 Locality: State Or Province: Country:
Issuer	Self
Email	
Subject Alternative Name	

## GlobalSign PersonalSign 1 CA – SHA256 – G2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Aug 2 10:00:00 2019 GMT
Version	3
Serial Number	04:00:00:00:00:01:31:89:c6:2d:a7
Subject	Common Name: GlobalSign PersonalSign 1 CA - SHA256 - G2 Organization: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Issuer	Common Name: GlobalSign Organizational Unit: GlobalSign Division: GlobalSign Root CA - R3 Locality: State Or Province: Country:
Email	
Subject Alternative Name	

## GlobalSign PersonalSign 2 CA – SHA256 – G2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Aug 2 10:00:00 2019 GMT
Version	3
Serial Number	04:00:00:00:00:01:31:89:c6:30:c4
Subject	Common Name: GlobalSign PersonalSign 2 CA - SHA256 - G2 Organization: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Issuer	Common Name: GlobalSign Organizational Unit: GlobalSign Division: GlobalSign Root CA - R3 Locality: State Or Province: Country:
Email	
Subject Alternative Name	



## GlobalSign Rott CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jan 28 12:00:00 2028 GMT
Version	3
Serial Number	04:00:00:00:00:01:15:4b:5a:c3:94
Subject	Common Name: GlobalSign Root CA Organization: GlobalSign nv-sa Division: Root CA Locality: State Or Province: Country: BE
Issuer	Self
Email	
Subject Alternative Name	

## GlobalSign PersonalSign 3 CA – G2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Apr 13 10:00:00 2019 GMT
Version	3
Serial Number	04:00:00:00:00:01:2f:4e:e1:33:b7
Subject	Common Name: GlobalSign PersonalSign 3 CA - G2 Organization: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Issuer	Common Name: GlobalSign Root CA Organizational Unit: GlobalSign nv-sa Division: Root CA Locality: State Or Province: Country: BE
Email	
Subject Alternative Name	

## GLOBALTRUST, ARGE DATEN

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 18 14:12:35 2036 GMT
Version	3
Serial Number	
Subject	Common Name: GLOBALTRUST Organization: ARGE DATEN - Austrian Society for Data Protection Division: GLOBALTRUST Certification Service Locality: Vienna State Or Province: Austria Country: AT
Issuer	Self
Email	info@globaltrust.info
Subject Alternative Name	URI:http://www.globaltrust.info, email:info@globaltrust.info

## I.CA – Qualified Certification Authority, 09/2009

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 1 00:00:00 2019 GMT
Version	3
Serial Number	224
Subject	Common Name: I.CA - Qualified Certification Authority, 09/2009 Organization: Prvn?? certifika??n?? autorita, a.s. Division: I.CA - Accredited Provider of Certification Services Locality: State Or Province: Country: CZ
Issuer	Common Name: KCA NBU SR 3 Organizational Unit: Narodny bezpecnostny urad Division: SIBEP Locality: Bratislava State Or Province: Country: SK
Email	
Subject Alternative Name	

## I.CA – QUALIFIED CERTIFICATION AUTHORITY, 09/2009

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 1 00:00:00 2019 GMT
Version	3
Serial Number	10500000
Subject	Common Name: I.CA - Qualified Certification Authority, 09/2009 Organization: Prvn?? certifika??n?? autorita, a.s. Division: I.CA - Accredited Provider of Certification Services Locality: State Or Province: Country: CZ
Issuer	Self
Email	
Subject Alternative Name	

## I.CA – Standard Certification Authority, 09/2009

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 1 00:00:00 2019 GMT
Version	3
Serial Number	1500000
Subject	Common Name: I.CA - Standard Certification Authority, 09/2009 Organization: Prvn?? certifika??n?? autorita, a.s. Division: I.CA - Provider of Certification Services Locality: State Or Province: Country: CZ
Issuer	Self
Email	
Subject Alternative Name	

## I.CA – Standard root certificate

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Apr 1 00:00:00 2018 GMT
Version	3
Serial Number	1300000
Subject	Common Name: I.CA - Standard root certificate Organization: Prvni certifikacni autorita a.s. Division: Locality: State Or Province: Country: CZ
Issuer	Self
Email	
Subject Alternative Name	

## KCA NBU SR 3

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Nov 6 07:29:09 2025 GMT
Version	3
Serial Number	1
Subject	Common Name: KCA NBU SR 3 Organization: Narodny bezpecnostny urad Division: SIBEP Locality: Bratislava State Or Province: Country: SK
Issuer	Self
Email	
Subject Alternative Name	

## NetLock uzleti (Class B) Tanusitvanykiado

Public Key Type	RSA
Public Key Size	1024 bits
Expires	Feb 20 14:10:22 2019 GMT
Version	3
Serial Number	105
Subject	Common Name: NetLock Uzleti (Class B) Tanusitvanykiado Organization: NetLock Halozatbiztonsagi Kft. Division: Tanusitvanykiadok Locality: Budapest State Or Province: Country: HU
Issuer	Self
Email	
Subject Alternative Name	

## NetLock Kft.

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jun 23 23:20:10 2024 GMT
Version	3
Serial Number	49:41:2c:e4:00:13
Subject	Common Name: NetLock ??zleti Eat. (Class B Legal) Tan??s??tv??nykiad?? Organization: NetLock Kft. Division: Tan??s??tv??nykiad??k (Certification Services) Locality: Budapest State Or Province: Country: HU
Issuer	Common Name: NetLock Arany (Class Gold) F??tan??s??tv??ny Organizational Unit: NetLock Kft. Division: Tan??s??tv??nykiad??k (Certification Services) Locality: Budapest State Or Province: Country: HU
Email	
Subject Alternative Name	

## NetLock Arany (Class Gold)

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 6 15:08:21 2028 GMT
Version	3
Serial Number	49:41:2c:e4:00:10
Subject	Common Name: NetLock Arany (Class Gold) F??tan??s??tv??ny Organization: NetLock Kft. Division: Tan??s??tv??nykiad??k (Certification Services) Locality: Budapest State Or Province: Country: HU
Issuer	Self
Email	
Subject Alternative Name	

## NetLock Kft.

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jun 23 23:30:29 2024 GMT
Version	3
Serial Number	49:41:2c:e4:00:14
Subject	Common Name: NetLock ??zleti (Class B) Tan??s??tv??nykiad?? Organization: NetLock Kft. Division: Tan??s??tv??nykiad??k (Certification Services) Locality: Budapest State Or Province: Country: HU
Issuer	Common Name: NetLock Arany (Class Gold) F??tan??s??tv??ny Organizational Unit: NetLock Kft. Division: Tan??s??tv??nykiad??k (Certification Services) Locality: Budapest State Or Province: Country: HU
Email	
Subject Alternative Name	

## POSTA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Feb 7 11:06:58 2023 GMT
Version	3
Serial Number	1044616010
Subject	Common Name: Organization: POSTA Division: POSTArCA Locality: State Or Province: Country: SI
Issuer	Self
Email	
Subject Alternative Name	

## PSCA3

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 22 12:41:44 2021 GMT
Version	3
Serial Number	914
Subject	Common Name: PSCA3 Organization: Viasec s.r.o. Division: ACA Locality: Bratislava State Or Province: Country: SK
Issuer	Common Name: KCA NBU SR 3 Organizational Unit: Narodny bezpecnostny urad Division: SIBEP Locality: Bratislava State Or Province: Country: SK
Email	
Subject Alternative Name	

## Root SSE CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Oct 20 14:20:50 2030 GMT
Version	3
Serial Number	3f:f7:43:93:29:91:b3:b7:47:f4:61:c8:c0:41:ee:02
Subject	Common Name: Root SSE CA Organization: Division: Locality: State Or Province: Country:
Issuer	Self
Email	
Subject Alternative Name	

## SSE Root CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Feb 17 10:25:49 2025 GMT
Version	3
Serial Number	30:d4:b3:11:d7:d7:22:b6:4d:18:f9:3a:ac:33:a0:9b
Subject	Common Name: SSE Root CA Organization: Division: Locality: State Or Province: Country:
Issuer	Self
Email	
Subject Alternative Name	



## TC TrustCenter Class 2 CA II

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 22:59:59 2025 GMT
Version	3
Serial Number	2e:6a:00:01:00:02:1f:d7:52:21:2c:11:5c:3b
Subject	Common Name: TC TrustCenter Class 2 CA II Organization: TC TrustCenter GmbH Division: TC TrustCenter Class 2 CA Locality: State Or Province: Country: DE
Issuer	Self
Email	
Subject Alternative Name	

## TC TrustCenter Class 2 L1 CA XI

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 21:59:59 2025 GMT
Version	3
Serial Number	1c:50:00:01:00:02:85:43:59:f1:f3:2e:cd:26
Subject	Common Name: TC TrustCenter Class 2 L1 CA XI Organization: TC TrustCenter GmbH Division: TC TrustCenter Class 2 L1 CA Locality: State Or Province: Country: DE
Issuer	Common Name: TC TrustCenter Class 2 CA II Organizational Unit: TC TrustCenter GmbH Division: TC TrustCenter Class 2 CA Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## VATTENFALL ENERGY TRADING NETHERLANDS NV CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jul 9 23:59:59 2024 GMT
Version	3
Serial Number	4d:73:3c:72:cc:b7:21:79:e3:29:30:39:e6:c6:50:8f
Subject	Common Name: VATTENFALL ENERGY TRADING NETHERLANDS NV CA Organization: VATTENFALL ENERGY TRADING NETHERLANDS NV Division: Locality: State Or Province: Country:
Issuer	Self
Email	
Subject Alternative Name	<Unsupported>

## VSE Certification Authority

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 21 08:59:30 2041 GMT
Version	3
Serial Number	67:fb:0d:8e:84:04:56:95:46:cc:71:cf:cd:5d:08:c1
Subject	Common Name: VSE Certification Authority Organization: Vychodoslovenska energetika a. s. Division: Locality: Kosice State Or Province: Country: SK
Issuer	Self
Email	
Subject Alternative Name	

## CA Disig R2I3 Certification Service

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 28 12:25:19 2029 GMT
Version	3
Serial Number	08:a2:39:5b:a7:03:af:fd:ac:00:00:00:00:00:00:04
Subject	Common Name: CA Disig R2I3 Certification Service Organization: Disig a.s. Division: Locality: Bratislava State Or Province: Country: SK
Issuer	Common Name: CA Disig Root R2 Organizational Unit: Disig a.s. Division: Locality: Bratislava State Or Province: Country: SK
Email	spravaca@disig.sk
Subject Alternative Name	email:spravaca@disig.sk

## VeriSign Class 3 Public Primary Certification Authority – G5

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jul 16 23:59:59 2036 GMT
Version	3
Serial Number	18:da:d1:9e:26:7d:e8:bb:4a:21:58:cd:cc:6b:3b:4a
Subject	Common Name: VeriSign Class 3 Public Primary Certification Authority - G5 Organization: VeriSign, Inc. Division: VeriSign Trust Network Locality: State Or Province: Country: US
Issuer	Self
Email	
Subject Alternative Name	

## VeriSign Class 3 Secure Server CA – G3

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Feb 7 23:59:59 2020 GMT
Version	3
Serial Number	6e:cc:7a:a5:a7:03:20:09:b8:ce:bc:f4:e9:52:d4:91
Subject	Common Name: VeriSign Class 3 Secure Server CA - G3 Organization: VeriSign, Inc. Division: VeriSign Trust Network Locality: State Or Province: Country: US
Issuer	Common Name: VeriSign Class 3 Public Primary Certification Authority - G5 Organizational Unit: VeriSign, Inc. Division: VeriSign Trust Network Locality: State Or Province: Country: US
Email	
Subject Alternative Name	<Unsupported>

## PostSignum Root QCA 2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jan 19 08:04:31 2025 GMT
Version	3
Serial Number	100
Subject	Common Name: PostSignum Root QCA 2 Organization: ??esk?? po??ta, s.p. [!?? 47114983] Division: Locality: State Or Province: Country: CZ
Issuer	Self
Email	
Subject Alternative Name	

## PostSignum Public CA 2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jan 19 13:35:42 2020 GMT
Version	3
Serial Number	114
Subject	Common Name: PostSignum Public CA 2 Organization: ??esk?? po??ta, s.p. [I?? 47114983] Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: PostSignum Root QCA 2 Organizational Unit: ??esk?? po??ta, s.p. [I?? 47114983] Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## PostSignum Qualified CA 2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jan 19 11:30:20 2020 GMT
Version	3
Serial Number	113
Subject	Common Name: PostSignum Qualified CA 2 Organization: ??esk?? po??ta, s.p. [I?? 47114983] Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: PostSignum Root QCA 2 Organizational Unit: ??esk?? po??ta, s.p. [I?? 47114983] Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## PostSignum Qualified CA 3

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Mar 26 07:00:36 2024 GMT
Version	3
Serial Number	164
Subject	Common Name: PostSignum Qualified CA 3 Organization: ??esk?? po??ta, s.p. [I?? 47114983] Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: PostSignum Root QCA 2 Organizational Unit: ??esk?? po??ta, s.p. [I?? 47114983] Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## PSCA CA2

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Apr 12 06:42:40 2023 GMT
Version	3
Serial Number	4d:fd:eb:cb:cb:0d:9e:f5
Subject	Common Name: PSCA CA2 Organization: Viasec s.r.o. Division: Prva Slovenska Certifikacna Autorita Locality: State Or Province: Country: SK
Issuer	Self
Email	info@psca.sk
Subject Alternative Name	URI:http://www.pasca.sk, email:info@psca.sk

## SVKBRATSKEI\_SN.svk.sys.corp

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 5 12:50:29 2017 GMT
Version	3
Serial Number	2e:47:82:1d:00:00:00:00:25:74
Subject	Common Name: svkbratskei_SN.svk.sys.corp Organization: Slovnaft Division: Locality: BRATISLAVA State Or Province: Country: SK
Issuer	Common Name: MOL Issuer CA Organizational Unit: MOL Division: Locality: State Or Province: Country: HU
Email	
Subject Alternative Name	DNS:svkbratskei2.svk.sys.corp, DNS:svkbratskei1.svk.sys.corp

## UNIPER CA 2 2015 XXXI

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 20 08:25:51 2028 GMT
Version	3
Serial Number	1481307
Subject	Common Name: Uniper CA 2 2015 XXXI Organization: Uniper Holding GmbH Division: CA Locality: State Or Province: Country: DE
Issuer	Common Name: Uniper Group CA 2 2015 Organizational Unit: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## UNIPER Group CA 2 2015

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Sep 20 08:25:51 2028 GMT
Version	3
Serial Number	1041484
Subject	Common Name: Uniper Group CA 2 2015 Organization: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Issuer	Common Name: D-TRUST Root CA 3 2013 Organizational Unit: D-Trust GmbH Division: Locality: State Or Province: Country: DE
Email	
Subject Alternative Name	

## QuoVadis Trust Anchor Root CA G2

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Apr 9 14:58:47 2040 GMT
Version	3
Serial Number	1a:5e:4c:5e:62:44:ec:af:ea:cb:0a:25:ac:c8:eb:3a:bf:f4:8d:6c
Subject	Common Name: QuoVadis Trust Anchor Root CA G2 Organization: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Issuer	Self
Email	
Subject Alternative Name	



## E.ON Internal Devices Sub CA V5 G2

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Apr 28 14:09:51 2030 GMT
Version	3
Serial Number	05:97:5d:e1:d0:75:95:6d:45:6f:03:fe:84:65:bd:b8:60:76:3c:ac
Subject	Common Name: E.ON Internal Devices Sub CA V5 G2 Organization: E.ON SE Division: Locality: State Or Province: Country: DE
Issuer	Common Name: QuoVadis Trust Anchor Root CA G2 Organizational Unit: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Email	
Subject Alternative Name	

## MOL Root CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 5 11:52:41 2032 GMT
Version	3
Serial Number	4b:68:24:23:f4:d3:ba:8b:4f:4a:77:30:c2:c4:c0:bf
Subject	Common Name: MOL Root CA Organization: MOL Division: Locality: State Or Province: Country: HU
Issuer	Self
Email	
Subject Alternative Name	

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

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jul 5 12:36:40 2025 GMT
Version	3
Serial Number	100001003
Subject	Common Name: I.CA Public CA/RSA 07/2015 Organization: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: I.CA Root CA/RSA Organizational Unit: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## I.CA Root CA/RSA

Public Key Type	RSA
Public Key Size	4096 bits
Expires	May 27 12:20:00 2040 GMT
Version	3
Serial Number	100000000
Subject	Common Name: I.CA Root CA/RSA Organization: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Issuer	Self
Email	
Subject Alternative Name	

## QuoVadis Root Certification Authority

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Mar 17 18:33:33 2021 GMT
Version	3
Serial Number	985026699
Subject	Common Name: QuoVadis Root Certification Authority Organization: QuoVadis Limited Division: Root Certification Authority Locality: State Or Province: Country: BM
Issuer	Self
Email	
Subject Alternative Name	

## QuoVadis Issuing CA G4

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Mar 17 18:33:33 2021 GMT
Version	3
Serial Number	69:b2:d1:cc:f0:2e:20:dc:c9:5c:62:89:4f:7f:9e:5f:5f:c0:57:bf
Subject	Common Name: QuoVadis Issuing CA G4 Organization: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Issuer	Common Name: QuoVadis Root Certification Authority Organizational Unit: QuoVadis Limited Division: Root Certification Authority Locality: State Or Province: Country: BM
Email	
Subject Alternative Name	

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

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Feb 8 12:17:11 2026 GMT
Version	3
Serial Number	100001006
Subject	Common Name: I.CA Qualified 2 CA/RSA 02/2016 Organization: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: I.CA Root CA/RSA Organizational Unit: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

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

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jul 5 12:37:26 2025 GMT
Version	3
Serial Number	100001004
Subject	Common Name: I.CA Qualified CA/RSA 07/2015 Organization: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: I.CA Root CA/RSA Organizational Unit: Prvn?? certifika??n?? autorita, a.s. Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## A-CERT ADVANCED

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 18 00:00:00 2036 GMT
Version	3
Serial Number	20
Subject	Common Name: A-CERT ADVANCED Organization: ARGE DATEN - Austrian Society for Data Protection and Privacy Division: Locality: Vienna State Or Province: Country: AT
Issuer	Common Name: GLOBALTRUST Organizational Unit: ARGE DATEN - Austrian Society for Data Protection Division: GLOBALTRUST Certification Service Locality: Vienna State Or Province: Austria Country: AT
Email	info@globaltrust.eu
Subject Alternative Name	email:info@globaltrust.eu

## GlobalTrust Advanced 1

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 18 00:00:00 2036 GMT
Version	3
Serial Number	01:ca:91:6e:03:ba:a2:db:59:7e:ea:8a:54
Subject	Common Name: GLOBALTRUST ADVANCED 1 Organization: e-commerce monitoring GmbH Division: GLOBALTRUST Certification Service Locality: Wien State Or Province: Wien Country: AT
Issuer	Common Name: GLOBALTRUST Organizational Unit: ARGE DATEN - Austrian Society for Data Protection Division: GLOBALTRUST Certification Service Locality: Vienna State Or Province: Austria Country: AT
Email	info@globaltrust.eu
Subject Alternative Name	URI:http://www.globaltrust.eu, email:info@globaltrust.eu

## VSE Holding Certification Authority

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jan 23 12:46:02 2037 GMT
Version	3
Serial Number	29:69:ce:d6:6a:4f:68:a9:40:05:bc:a6:15:e5:e2:e2
Subject	Common Name: VSE Holding Certification Authority Organization: Vychodoslovenska energetika Holding a.s. Division: Locality: Kosice State Or Province: Country: SK
Issuer	Self
Email	
Subject Alternative Name	

## QuoVadis Root Certification Authority

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Mar 17 18:33:33 2021 GMT
Version	3
Serial Number	985026699
Subject	Common Name: QuoVadis Root Certification Authority Organization: QuoVadis Limited Division: Root Certification Authority Locality: State Or Province: Country: BM
Issuer	Self
Email	
Subject Alternative Name	

## QuoVadis Swiss Advanced CA G2

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Mar 17 18:33:33 2021 GMT
Version	3
Serial Number	6a:28:0a:f3:46:23:28:31:c9:5b:42:c2:9d:24:c4:a8:2c:c3:35:e3
Subject	Common Name: QuoVadis Swiss Advanced CA G2 Organization: QuoVadis Trustlink Switzerland Ltd. Division: Locality: State Or Province: Country: CH
Issuer	Common Name: QuoVadis Root Certification Authority Organizational Unit: QuoVadis Limited Division: Root Certification Authority Locality: State Or Province: Country: BM
Email	
Subject Alternative Name	

## POSTArCA Root

Public Key Type	RSA
Public Key Size	3072 bits
Expires	Jun 27 09:18:44 2037 GMT
Version	3
Serial Number	25:2a:24:f9:00:00:00:00:59:52:22:e6
Subject	Common Name: POSTArCA Root Organization: POSTA SLOVENIJE d.o.o. Division: Locality: State Or Province: Country: SI
Issuer	Self
Email	
Subject Alternative Name	

## POSTArCA G2

Public Key Type	RSA
Public Key Size	3072 bits
Expires	Jun 27 10:22:52 2035 GMT
Version	3
Serial Number	16:d0:1b:84:00:00:00:59:52:23:21
Subject	Common Name: POSTArCA G2 Organization: POSTA SLOVENIJE d.o.o. Division: Locality: State Or Province: Country: SI
Issuer	Common Name: POSTArCA Root Organizational Unit: POSTA SLOVENIJE d.o.o. Division: Locality: State Or Province: Country: SI
Email	
Subject Alternative Name	

## QuoVadis EU Issuing Certification Authority G4

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 13 14:25:31 2026 GMT
Version	3
Serial Number	15:88:bb:1a:8a:b4:17:13:49:88:8c:59:6f:21:e3:9f:1e:18:ce:3e
Subject	Common Name: QuoVadis EU Issuing Certification Authority G4 Organization: QuoVadis Trustlink B.V. Division: Locality: State Or Province: Country: NL
Issuer	Common Name: QuoVadis Enterprise Trust CA 1 G3 Organizational Unit: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Email	
Subject Alternative Name	



## QouVadis Enterprise Trust CA 1 G3

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 6 14:54:27 2031 GMT
Version	3
Serial Number	0a:d8:6f:a3:35:b9:3e:f4:8c:8e:3b:f7:7d:4c:63:14:36:43:ad:b9
Subject	Common Name: QuoVadis Enterprise Trust CA 1 G3 Organization: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Issuer	Common Name: QuoVadis Root CA 1 G3 Organizational Unit: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Email	
Subject Alternative Name	

## QuoVadis Root CA 1 G3

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jan 12 17:27:44 2042 GMT
Version	3
Serial Number	78:58:5f:2e:ad:2c:19:4b:e3:37:07:35:34:13:28:b5:96:d4:65:93
Subject	Common Name: QuoVadis Root CA 1 G3 Organization: QuoVadis Limited Division: Locality: State Or Province: Country: BM
Issuer	Self
Email	
Subject Alternative Name	

## InfoCert Servizi di Certificazione 2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Apr 19 15:29:27 2029 GMT
Version	3
Serial Number	2
Subject	Common Name: InfoCert Servizi di Certificazione 2 Organization: INFOCERT SPA Division: Ente Certificatore Locality: State Or Province: Country: IT
Issuer	Self
Email	
Subject Alternative Name	

## GlobalSign PersonalSign 3 CA – SHA256 -G3

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jun 15 00:00:00 2024 GMT
Version	3
Serial Number	48:1b:6a:09:80:1b:74:91:45:55:53:1c:d4:2d
Subject	Common Name: GlobalSign PersonalSign 3 CA - SHA256 - G3 Organization: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Issuer	Common Name: GlobalSign Organizational Unit: GlobalSign Division: GlobalSign Root CA - R3 Locality: State Or Province: Country:
Email	
Subject Alternative Name	

## DigiCert SHA2 Assured ID CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Nov 5 12:00:00 2028 GMT
Version	3
Serial Number	04:ae:79:60:66:66:90:1a:b9:c5:7f:a6:6c:5b:dc:cd
Subject	Common Name: DigiCert SHA2 Assured ID CA Organization: DigiCert Inc Division: www.digicert.com Locality: State Or Province: Country: US
Issuer	Common Name: DigiCert Assured ID Root CA Organizational Unit: DigiCert Inc Division: www.digicert.com Locality: State Or Province: Country: US
Email	
Subject Alternative Name	

## Hellenic Academic and Research institutions RootCA 2015

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 30 10:11:21 2040 GMT
Version	3
Serial Number	
Subject	Common Name: Hellenic Academic and Research Institutions RootCA 2015 Organization: Hellenic Academic and Research Institutions Cert. Authority Division: Locality: Athens State Or Province: Country: GR
Issuer	Self
Email	
Subject Alternative Name	

## ACER Client RSA SubCA R2

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 13 07:59:19 2023 GMT
Version	3
Serial Number	64:6a:29:cd:23:c5:d3:a4
Subject	Common Name: ACER Client RSA SubCA R2 Organization: Agency for the Cooperation of Energy Regulators Division: Locality: Ljubljana State Or Province: Country: SI
Issuer	Common Name: Hellenic Academic and Research Institutions RootCA 2015 Organizational Unit: Hellenic Academic and Research Institutions Cert. Authority Division: Locality: Athens State Or Province: Country: GR
Email	
Subject Alternative Name	

## AddTrust External CA Root

Public Key Type	RSA
Public Key Size	2048 bits
Expires	May 30 10:48:38 2020 GMT
Version	3
Serial Number	1
Subject	Common Name: AddTrust External CA Root Organization: AddTrust AB Division: AddTrust External TTP Network Locality: State Or Province: Country: SE
Issuer	Self
Email	
Subject Alternative Name	

## COMODO RSA Certification Authority

Public Key Type	RSA
Public Key Size	4096 bits
Expires	May 30 10:48:38 2020 GMT
Version	3
Serial Number	27:66:ee:56:eb:49:f3:8e:ab:d7:70:a2:fc:84:de:22
Subject	Common Name: COMODO RSA Certification Authority Organization: COMODO CA Limited Division: Locality: Salford State Or Province: Greater Manchester Country: GB
Issuer	Common Name: AddTrust External CA Root Organizational Unit: AddTrust AB Division: AddTrust External TTP Network Locality: State Or Province: Country: SE
Email	
Subject Alternative Name	

## COMODO RSA Client Authentication and Secure Email CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jan 9 23:59:59 2028 GMT
Version	3
Serial Number	6a:9b:e1:38:3b:ff:2b:6b:9f:01:d5:d9:b8:a7:52:56
Subject	Common Name: COMODO RSA Client Authentication and Secure Email CA Organization: COMODO CA Limited Division: Locality: Salford State Or Province: Greater Manchester Country: GB
Issuer	Common Name: COMODO RSA Certification Authority Organizational Unit: COMODO CA Limited Division: Locality: Salford State Or Province: Greater Manchester Country: GB
Email	
Subject Alternative Name	

## DISIG CA External

Public Key Type	RSA
Public Key Size	4096 bits
Expires	May 4 12:13:11 2036 GMT
Version	3
Serial Number	e3:d0:cd:94:aa:97:d2:db
Subject	Common Name: Disig CA External Organization: Disig a.s. Division: Locality: Bratislava State Or Province: Country: SK
Issuer	Self
Email	
Subject Alternative Name	

## CERTUM CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jun 11 10:46:39 2027 GMT
Version	3
Serial Number	65568
Subject	Common Name: Certum CA Organization: Unizeto Sp. z o.o. Division: Locality: State Or Province: Country: PL
Issuer	Self
Email	
Subject Alternative Name	

## PostSignum Public QCA 4

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 27 10:19:35 2033 GMT
Version	3
Serial Number	4115
Subject	Common Name: PostSignum Public CA 4 Organization: ??esk?? po??ta, s.p. Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: PostSignum Root QCA 4 Organizational Unit: ??esk?? po??ta, s.p. Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## PostSignum Root QCA 4

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jul 26 09:56:08 2038 GMT
Version	3
Serial Number	4000
Subject	Common Name: PostSignum Root QCA 4 Organization: ??esk?? po??ta, s.p. Division: Locality: State Or Province: Country: CZ
Issuer	Self
Email	
Subject Alternative Name	

## PostSignum Qualified CA 4

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Sep 27 07:39:23 2033 GMT
Version	3
Serial Number	4113
Subject	Common Name: PostSignum Qualified CA 4 Organization: ??esk?? po??ta, s.p. Division: Locality: State Or Province: Country: CZ
Issuer	Common Name: PostSignum Root QCA 4 Organizational Unit: ??esk?? po??ta, s.p. Division: Locality: State Or Province: Country: CZ
Email	
Subject Alternative Name	

## GLOBALTRUST 2015 CLIENT 1

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 10 00:00:00 2040 GMT
Version	3
Serial Number	01:0d:6b:0f:48:ed:c1:84:4b:46:e3:ce:56
Subject	Common Name: GLOBALTRUST 2015 CLIENT 1 Organization: e-commerce monitoring GmbH Division: GLOBALTRUST Certification Service Locality: Wien State Or Province: Wien Country: AT
Issuer	Common Name: GLOBALTRUST 2015 Organizational Unit: e-commerce monitoring GmbH Division: GLOBALTRUST Certification Service Locality: Wien State Or Province: Wien Country: AT
Email	
Subject Alternative Name	



## GLOBALSIGN Client Authentication Root R45

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Mar 18 00:00:00 2045 GMT
Version	3
Serial Number	76:53:fe:b9:f5:c7:db:ea:8b:a4:78:d4:3e:3d:6b:f6
Subject	Common Name: GlobalSign Client Authentication Root R45 Organization: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Issuer	Self
Email	
Subject Alternative Name	

## GLOBALSIGN GCC R45 PersonalSign 3 CA 2020

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Oct 21 00:00:00 2025 GMT
Version	3
Serial Number	78:4a:aa:16:6e:73:0a:98:dd:a6:0c:13:69:48:90:f2
Subject	Common Name: GlobalSign GCC R45 PersonalSign 3 CA 2020 Organization: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Issuer	Common Name: GlobalSign Client Authentication Root R45 Organizational Unit: GlobalSign nv-sa Division: Locality: State Or Province: Country: BE
Email	
Subject Alternative Name	

## Certum Trusted Network CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Dec 31 12:07:37 2029 GMT
Version	3
Serial Number	279744
Subject	Common Name: Certum Trusted Network CA Organization: Unizeto Technologies S.A. Division: Certum Certification Authority Locality: State Or Province: Country: PL
Issuer	Self
Email	
Subject Alternative Name	

## Certum Digital Identification CA SHA2

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Jun 9 12:45:26 2027 GMT
Version	3
Serial Number	66:da:ef:03:db:84:61:91:6b:25:ba:83:fb:17:4e:13
Subject	Common Name: Certum Digital Identification CA SHA2 Organization: Unizeto Technologies S.A. Division: Certum Certification Authority Locality: State Or Province: Country: PL
Issuer	Common Name: Certum Trusted Network CA Organizational Unit: Unizeto Technologies S.A. Division: Certum Certification Authority Locality: State Or Province: Country: PL
Email	
Subject Alternative Name	

## Hellenic Academic and Research Institutions Cert. Authority

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Mar 10 13:26:53 2034 GMT
Version	3
Serial Number	40:db:9a:6e:5b:6e:82:7d:48:04:ba:4e:0a:a0:bd:0f
Subject	Common Name: HARICA SSL RSA SubCA R3 Organization: Hellenic Academic and Research Institutions Cert. Authority Division: Locality: Athens State Or Province: Country: GR
Issuer	Common Name: Hellenic Academic and Research Institutions RootCA 2015 Organizational Unit: Hellenic Academic and Research Institutions Cert. Authority Division: Locality: Athens State Or Province: Country: GR
Email	
Subject Alternative Name	

## Hellenic Academic and Research Institutions RootCA 2015

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Jun 30 10:11:21 2040 GMT
Version	3
Serial Number	
Subject	Common Name: Hellenic Academic and Research Institutions RootCA 2015 Organization: Hellenic Academic and Research Institutions Cert. Authority Division: Locality: Athens State Or Province: Country: GR
Issuer	Self
Email	
Subject Alternative Name	

## Sectigo RSA Client Authentication and Secure Email CA

Public Key Type	RSA
Public Key Size	2048 bits
Expires	Apr 14 23:59:59 2024 GMT
Version	3
Serial Number	10:cf:0d:8b:76:d4:f2:76:7b:72:5c:5f:11:34:95:24
Subject	Common Name: Organization: Division: Locality: State Or Province: Country:
Issuer	Common Name: Sectigo RSA Client Authentication and Secure Email CA Organizational Unit: Sectigo Limited Division: Locality: Salford State Or Province: Greater Manchester Country: GB
Email	dudkasa@d.trading
Subject Alternative Name	email:dudkasa@d.trading

## MOL Root CA 1

Public Key Type	RSA
Public Key Size	4096 bits
Expires	Oct 15 11:59:30 2040 GMT
Version	3
Serial Number	28:51:50:b4:89:73:1e:bd:46:5c:9c:4c:dd:a7:62:5c
Subject	Common Name: MOL Root CA 1 Organization: MOL Division: Locality: State Or Province: Country: HU
Issuer	Self
Email	
Subject Alternative Name	