

INDEPENDENT ASSURANCE REPORT

To the management of Asseco Data Systems S.A. (ADS):

Scope

We have been engaged, in a reasonable assurance engagement, to report on ADS management's statement that for its Certification Authority (CA) operations in Szczecin, Poland, throughout the period March 27, 2018 to March 04, 2019 for its CAs as enumerated in Attachment A, ADS has:

- ▶ disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
 - [Certification Practice Statement of Certum's Certification Services v6.0](#); and
 - [Certification Policy of Certum's Certification Services v4.4](#)
- ▶ maintained effective controls to provide reasonable assurance that:
 - ADS's Certification Practice Statement is consistent with its Certificate Policy
 - ADS provides its services in accordance with its Certificate Policy and Certification Practice Statement
- ▶ maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by ADS)
 - subordinate CA certificate requests are accurate, authenticated, and approved
- ▶ maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

in accordance with the [WebTrust Principles and Criteria for Certification Authorities Version 2.1](#).

ADS makes use of external registration authorities for specific subscriber registration activities as disclosed in ADS's business practices. Our procedures did not extend to the controls exercised by these external registration authorities.

ADS does not escrow its CA keys and does not provide certificate suspension services. Accordingly, our procedures did not extend to controls that would address those criteria.

Certification authority's responsibilities

ADS's management is responsible for its statement, including the fairness of its presentation, and the provision of its described services in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.1.

Our independence and quality control

We have complied with the independence and other ethical requirements of the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies International Standard on Quality Control 1, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Auditor's responsibilities

Our responsibility is to express an opinion on management's statement based on our procedures. We conducted our procedures in accordance with International Standard on Assurance Engagements 3000, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*, issued by the International Auditing and Assurance Standards Board. This standard requires that we plan and perform our procedures to obtain reasonable assurance about whether, in all material respects, management's statement is fairly stated, and, accordingly, included:

- 1) obtaining an understanding of ADS's key and certificate lifecycle management business practices and its controls over key and certificate integrity, over the authenticity and confidentiality of subscriber and relying party information, over the continuity of key and certificate lifecycle management operations and over development, maintenance and operation of systems integrity;
- 2) selectively testing transactions executed in accordance with disclosed key and certificate lifecycle management business practices;
- 3) testing and evaluating the operating effectiveness of the controls; and
- 4) performing such other procedures as we considered necessary in the circumstances.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Relative effectiveness of controls

The relative effectiveness and significance of specific controls at ADS and their effect on assessments of control risk for subscribers and relying parties are dependent on their interaction with the controls, and other factors present at individual subscriber and relying party locations. We have performed no procedures to evaluate the effectiveness of controls at individual subscriber and relying party locations.

Inherent limitations

Because of the nature and inherent limitations of controls, ADS's ability to meet the aforementioned criteria may be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorized access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection of any conclusions based on our findings to future periods is subject to the risk that changes may alter the validity of such conclusions.

Opinion

In our opinion, throughout the period March 27, 2018 to March 04, 2019, ADS management's statement, as referred to above, is fairly stated, in all material respects, in accordance with the WebTrust Principles and Criteria for Certification Authorities v2.1.



This report does not include any representation as to the quality of ADS's services beyond those covered by the WebTrust Principles and Criteria for Certification Authorities v2.1, nor the suitability of any of ADS's services for any customer's intended purpose.

Use of the WebTrust seal

ADS's use of the WebTrust for Certification Authorities Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

EY, Warsaw, Poland

A handwritten signature in blue ink that reads 'Ernst & Young'. The signature is written in a cursive style and is positioned above a horizontal dotted line.

Warsaw August 09, 2019

ASSECO DATA SYSTEMS S.A.'S MANAGEMENT STATEMENT

Asseco Data Systems S.A. (ADS) operates the Certification Authority (CA) services as enumerated in Attachment A, and provides the following CA services:

- Subscriber registration
- Subscriber key generation and management services
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution (using an online repository)
- Certificate revocation
- Certificate validation
- Certificate status information processing (using an online repository)
- Integrated circuit card life cycle management
- Subordinate CA [cross-]certification

The management of ADS is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its website https://www.certum.pl/pl/cert_wiedza_repozytorium_pl_en/, CA business practices management, CA environmental controls, CA key lifecycle management controls, subscriber key lifecycle management controls and certificate lifecycle management controls and subordinate CA certificate lifecycle management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

There are inherent limitations in any controls, including the possibility of human error, and the circumvention or overriding of controls. Accordingly, even effective controls can only provide reasonable assurance with respect to ADS's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

ADS management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in ADS management's opinion, in providing its Certification Authority (CA) services in Szczecin, Poland, throughout the period March 27, 2018 to March 04, 2019, ADS has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
 - [Certification Practice Statement of Certum's Certification Services v6.0](#) and
 - [Certification Policy of Certum's Certification Services v4.4](#)
- maintained effective controls to provide reasonable assurance that:
 - ADS's Certification Practice Statement is consistent with its Certificate Policy
 - ADS provides its services in accordance with its Certificate Policy and Certification Practice Statement
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
 - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
 - subscriber information is properly authenticated (for the registration activities performed by ADS)

- subordinate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorised individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorised and performed to maintain CA systems integrity

in accordance with the [WebTrust Principles and Criteria for Certification Authorities v2.1](#), including the following:

CA Business Practices Disclosure

- Certification Practice Statement (CPS)
- Certificate Policy (CP)

CA Business Practices Management

- Certificate Policy Management
- Certification Practice Statement Management
- CP and CPS Consistency

CA Environmental Controls

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical & Environmental Security
- Operations Management
- System Access Management
- System Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

CA Key Lifecycle Management Controls

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Key Archival and Destruction
- CA Key Compromise
- CA Cryptographic Hardware Lifecycle Management

Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- Integrated Circuit Card (ICC) Lifecycle Management
- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

- Subscriber Registration
- Certificate Renewal
- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Validation

Subordinate CA Certificate Lifecycle Management Controls

- Subordinate CA Certificate Lifecycle Management

ADS does not escrow its CA keys and does not provide certificate suspension services. Accordingly, our statement does not extend to controls that would address those criteria.

Management of Asseco Data Systems S.A.

Z upoważnienia Zarządu
Asseco Data Systems S.A.


Tomasz Litakowicz

August 09, 2019

Z upoważnienia Zarządu
Asseco Data Systems S.A.


Andrzej Ruciński

ADS CERTIFICATION AUTHORITY

Attachment A: List of CAs in Scope

Root CAs

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
1	1	CN = Certum CA O = Unizeto Sp. z. o. o. C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	010020	rsaEncryption	2048 bits	sha1RSA	Jun 11 10:46:39 2002	Jun 11 10:46:39 2027	97 36 ac 3b 25 d1 6c 45 a4 54 18 a9 64 57 81 56 48 0a 8c c4 34 54 1d dc 5d d5 92 33 22 98 68 de	d8 e0 fe bc 1d b2 e3 8d 00 94 0f 37 d2 7d 41 34 4d 99 3e 73 4b 99 d5 65 6d 97 78 d4 d8 14 36 24	
2	1	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	0444C0	rsaEncryption	2048 bits	sha1RSA	Oct 22 12:07:37 2008	Dec 31 12:07:37 2029	aa 26 30 a7 b6 17 b0 4d 0a 29 4b ab 7a 8c aa a5 01 6e 6d be 60 48 37 a8 3a 85 71 9f ab 66 7e b5	5c 58 46 8d 55 f5 8e 49 7e 74 39 82 d2 b5 00 10 b6 d1 65 37 4a cf 83 a7 d4 a3 2d b8 c4 40 8e	

2	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	23 e8 29 0d 71 95 04 18 c0 08 59 7e 42 f7 48 1b	rsaEncryption	2048 bits	sha1withRSA	Oct 22 12:07:37 2008 GMT	Dec 30 23:59:59 2025 GMT	aa 26 30 a7 b6 17 b0 4d 0a 29 4b ab 7a 8c aa a5 01 6e 6d be 60 48 37 a8 3a 85 71 9f ab 66 7e b5	2d 87 ff 20 fe 8a d2 30 5d fb 6f 39 92 86 7e d2 bf 4f e3 e1 34 62 12 c4 34 59 91 aa c0 22 66 e9	
3	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	93 92 85 40 01 65 71 5F 94 7F 28 8F EF C9 9B 28	rsaEncryption	2048 bits	sha1withRSA	Oct 22 12:07:37 2008 GMT	Jun 10 10:46:39 2027 GMT	aa 26 30 a7 b6 17 b0 4d 0a 29 4b ab 7a 8c aa a5 01 6e 6d be 60 48 37 a8 3a 85 71 9f ab 66 7e b5	94 94 24 dc 2c ca ab 5e 9e 80 d6 6e 0e 3f 7d ee b3 20 1c 60 7d 43 15 ef 4c 6f 2d 93 a9 17 27 9d	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
3	1	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	21 d6 d0 4a 4f 25 0f c9 32 37 fc aa 5e 12 8d e9	rsaEncryption	4096 bits	sha512RSA	Oct 06 08:39:56 2011	Oct 06 08:39:56 2046	6b 3b 57 e9 ec 88 d1 bb 3d 01 63 7f f3 3c 76 98 b3 c9 75 82 55 e9 f0 1e a9 17 8f 3e 7f 3b 2b 52	b6 76 f2 ed da e8 77 5c d3 6c b0 f6 3c d1 d4 60 39 61 f4 9e 62 65 ba 01 3a 2f 03 07 b6 d0 b8 04	
4	1	CN = Certum Elliptic Curve CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	CN = Certum Elliptic Curve CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	d2 de 59 3e af 11 20 6e 79 05 e7 41 76 f2 3d b4	id-ec PublicKey	521 bits	sha512 ECDSA	Mar 16 12:09:04 2018 GMT	Mar 16 12:09:04 2043 GMT	5a 9b b2 1b 04 0e 90 d3 30 ed 41 48 f3 48 c8 f3 8f 20 84 e4	7a 5f bb 25 d8 f4 94 5f b9 bb 38 ad 0a 20 36 24 cd a7 8c c8 9f e2 e5 a5 34 94 37 bf 4b 3e 98 44	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
5	1	CN = Certum Trusted Root CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	CN = Certum Trusted Root CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	1e bf 59 50 b8 c9 80 37 4c 06 f7 eb 55 4f b5 ed	rsaEncryption	4096 bits	sha512With RSA	Mar 16 12:10:13 2018 GMT	Mar 16 12:10:13 2043 GMT	8c fb 1c 75 bc 02 d3 9f 4e 2e 48 d9 f9 60 54 aa c4 b3 4f fa	a1 87 68 b9 35 3c ba 0b f3 00 aa 49 3a 29 70 49 0e 64 f9 d1 44 3e e0 23 6b f2 cb da 2a d0 9b 31	
6	1	CN = Certum EC-384 CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	CN = Certum EC-384 CA OU = Certum Certification Authority O = Asseco Data Systems S.A. C = PL	78 8f 27 5c 81 12 52 20 a5 04 d0 2d dd ba 73 f4	id-ec PublicKey	384 bits	Sha384 ECDSA	Mar 26 07:24:54 2018 GMT	Mar 26 07:24:54 2043 GMT	8d 06 66 74 24 76 3a f3 89 f7 bc d6 bd 47 7d 2f bc 10 5f 4b	6b 32 80 85 62 53 18 aa 50 d1 73 c9 8d 8b da 09 d5 7e 27 41 3d 11 4c f7 87 a0 f5 d0 6c 03 0c f6	

Other CA's

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
1	1	CN = Certum Class I CA SHA2, O = Unizeto Technologies S.A., O = Unizeto Technologies S.A., C = PL	CN = Certum Trusted Network CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL,	d1 47 aa 29 b0 42 89 f7 f5 c6 42 47 00 9f d3 39	rsaEncryption	2048 bits	sha1withRSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	0e 53 0b dc 82 19 62 62 9b 91 ce 6c 83 f5 65 c2 ee c6 98 b3 a1 4c 7c 65 c2 20 e7 b8 cf 2e 5d ca	2a b4 df f6 9d 75 bb f9 54 10 60 b4 34 ce 5a d0 c4 da cb 7a f0 db f2 1d 36 16 af cb 47 37 96 de	
2	1	CN = Certum Class I CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	17 7d 3b 09 46 1e fb e8 f0 fa a4 d3 5e 2d a7 99	rsaEncryption	2048 bits	sha1withRSA	Apr 25 21:15:12 2009 GMT	Apr 25 21:15:12 2024 GMT	31 b1 7f eb 3c c4 34 98 0d 30 1b 5d 89 5e 91 ff df 86 67 b9 7a 36 5e 10 8f 01 7e 19 6d fd 62 6b	b3 4a 33 b4 44 74 fd b0 07 8f 11 35 27 bb db 76 fe 5b f8 1c a2 4b b8 6d 62 81 36 c5 01 60 43 e8	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
3	1	CN = Certum Global Services CA O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	00 c5 3c 18 bf 8f 3f 9c c7 73 06 a9 c6 a1 3e 84 e7	rsaEncryption	2048 bits	sha1withRSA	Mar 3 13:06:12 2009 GMT	Mar 3 13:06:12 2024 GMT	b4 d3 16 33 d8 3b 31 05 cd 26 91 5f 7c 0e 6b f8 a0 e3 89 59 a6 5e b6 d8 3d d4 2f 56 d3 91 a4 8e	2e 48 1f f3 a5 3d 29 3b d4 9f 3c d8 39 76 58 36 82 b3 bd 79 a1 60 fd 6e 9c a5 87 25 d9 3b 94 5b	
4	1	CN = Certum Global Services CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00 d0 4b 6f e5 dd 5b d2 21 e7 c7 4c f6 46 8b 31 46	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	33 b6 83 fc 79 a0 cb b0 85 f2 c4 dd 76 be 6c a3 53 19 58 40 6e 35 f2 c8 74 67 b5 8e fc b4 5f a1	9e 85 2c 59 df c6 fd 6a bd 4e 17 ea 80 b5 f4 e5 6f c0 41 92 d1 07 25 8d 54 da 8a 92 52 86 70 d6	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
5	1	CN = Certum Level I CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	0d e2 1c 3c a7 14 fe 4b 0a 64 ac 46 9b 1a ac cc	rsaEncryption	2048 bits	sha1withRSA	Mar 3 12:52:30 2009 GMT	Mar 3 12:52:30 2024 GMT	75 48 e5 68 cd 2a 00 d1 be 9c 95 83 b7 aa c0 07 32 c8 0f 84 97 7e 94 39 7f 3a af 17 c0 7b f8 f7	55 bb 45 d8 5f 21 57 40 3d b9 ba a0 33 ed 2c ad 7e c9 a0 c4 90 cc 4c 5c a8 c5 39 9e 6e ac b7 d0	
6	1	CN = Certum Level II CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	77 0a c6 c2 ba 51 a4 1c 1d 5d 2f 99 b2 6b 0c 1a	rsaEncryption	2048 bits	sha1withRSA	Mar 3 12:53:18 2009 GMT	Mar 3 12:53:18 2024 GMT	40 5c 2d c2 93 3a c5 ad 5d 55 23 84 4f 3e 59 44 08 04 df 72 0f b0 47 60 ab 9f b8 21 b6 21 da 25	fe 71 6f f3 99 6c d6 56 1b 6b 63 a8 c4 40 fd f5 48 9c f4 8f 78 34 28 3e eb d1 9b 38 0f 3f bc 22	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
7	1	CN = Certum Level III CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	64 fe 29 dc cf 38 e0 30 dc ff e3 4d 05 68 96 61	rsaEncryption	2048 bits	sha1withRSA	Mar 3 12:53:56 2009 GMT	Mar 3 12:53:56 2024 GMT	0d 3e fb 8f 11 24 06 f0 dd 5a 42 c6 ce 47 f9 63 5f d5 80 e1 4e cd 57 5a 27 db a4 40 ec 24 3f c4	de 8a 6f d4 03 44 73 19 fb 31 b4 71 a9 46 8a 00 a8 7d ed c0 62 e6 97 0d 77 0a 51 60 38 32 68 8c	
8	1	CN = Certum Level IV CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	4c a5 fe c6 61 7c 48 b0 56 38 2a 82 80 e0 50 8c	rsaEncryption	2048 bits	sha1withRSA	Mar 3 12:54:25 2009 GMT	Mar 3 12:54:25 2024 GMT	f8 1d 03 82 62 81 e6 15 84 b8 78 9b d3 49 b6 8e f0 89 58 19 4e 60 8d 0d 19 33 26 56 36 95 ac 90	14 23 97 87 e8 fe c7 df fa 5f 4c 57 0b 72 1b 96 c1 69 ac ca 3f 4e 95 bc 30 57 a3 f8 a6 0d 7e ef	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
9	1	CN = Certum Level I CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	17 7d 3b 09 46 1e fb e8 f0 fa a4 d3 5e 2d a7 99	rsaEncryption	2048 bits	sha1withRSA	Apr 25 21:15:12 2009 GMT	Apr 25 21:15:12 2024 GMT	31 b1 7f eb 3c c4 34 98 0d 30 1b 5d 89 5e 91 ff df 86 67 b9 7a 36 5e 10 8f 01 7e 19 6d fd 62 6b	b3 4a 33 b4 44 74 fd b0 07 8f 11 35 27 bb db 76 fe 5b f8 1c a2 4b b8 6d 62 81 36 c5 01 60 43 e8	
10	1	CN = Certum Extended Validation CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	7f 51 0c 05 cf b3 9d 04 ff f3 06 ba 2c 56 e8 27	rsaEncryption	2048 bits	sha1withRSA	Dec 3 12:30:51 2009 GMT	Dec 3 12:30:51 2024 GMT	33 d8 df bd 44 ce 11 7a 9a 91 c0 a5 35 98 74 c4 80 96 73 5d aa b8 2a 51 f5 1f 25 e3 51 5e b6 92	cf 1e a1 5d c9 c0 5a bc 72 af 0e 62 c4 8d 93 43 4a e0 27 1b 1a a4 31 8b e3 54 41 26 d2 4b 61 84	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
11	1	CN = Certum Code Signing CA O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	fa 33 b7 9d d4 96 cf d1 0c 84 65 39 a4 9d 63 b5	rsaEncryption	2048 bits	sha1withRSA	Sep 20 11:04:33 2011 GMT	Sep 20 23:59:59 2026 GMT	1b ef 39 90 da 51 b4 10 10 a6 9c 3f 47 b3 26 f5 28 77 fa 10 b9 f0 58 56 31 9a e1 27 af bf 24 10	0e 8c c5 0d 64 df 43 d3 59 71 de c3 20 b4 ba 22 6b 0d c8 44 38 0e b4 b2 bb 7f 84 5b 12 a3 b4 8a	
12	1	CN = Certum Code Signing CA O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA 2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	7f 46 f0 04 f1 a5 30 48 6a a6 b8 b9 5e 94 67 48	rsaEncryption	2048 bits	sha1withRSA	Jan 24 11:50:03 2013 GMT	Jan 24 11:50:03 2028 GMT	8c 8f 2a cf 39 8e 86 dc de 80 b4 d0 cb 3d 5b 90 b2 0d dd c4 c8 5d 78 b4 11 27 9a 41 bb 7a 7c 31	1b 82 f6 66 ce dc 5d 30 2b 0a 8f 1c ce 49 8c ee cd 73 02 08 a2 33 7d c7 66 4f ea c3 dd 2d 0f 92	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
13	1	CN = GIS CA, O = GAZINFORMS ERVICE Company limited, OU = CA, C = RU	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	3c 3f d8 33 a1 9f e6 df f7 22 63 8b 81 cd af 1d	rsaEncryption	2048 bits	sha1withRSA	Jun 14 12:22:51 2012 GMT	Jun 14 12:22:51 2022 GMT	bc a9 05 3c 9a 0a f8 1a ed e2 7a 5a a2 1c 80 8f 18 90 f2 02 ef 09 07 2b 47 a5 2e 22 ea 50 92 be	7c fa 94 f9 e5 9a 3e 44 7c 5f c7 19 cc 43 49 ee 81 ef 00 1b 35 cd 3d 1a f4 ae 95 12 f5 a1 b7 f9	
14	1	CN = GIS CA, O = GAZINFORMS ERVICE Company limited, OU = CA, C = RU	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	3d 77 a3 5b 76 b0 29 31 bc 30 0d 96 9f 61 61 b6	rsaEncryption	2048 bits	SHA256with RSA	Sep 30 11:51:53 2014 GMT	Sep 27 11:51:53 2024 GMT	06 6c a1 8f ad 76 fb 0a 28 70 64 69 1e 77 35 f6 bd dd c4 bf 12 cf 7a 86 e0 b0 c8 af a5 41 de 16	2e 81 6b cf 85 2d 83 02 45 dd c3 53 4b cf 85 a5 3b 0b 19 99 1a 52 5c d3 28 62 6f d7 4a 40 fc 82	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
15	1	CN = Certum Digital Identification CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA, OU = Certum Certification Authority, O = Unizeto Technologies S.A., C = PL	66 da ef 03 db 84 61 91 6b 25 ba 83 fb 17 4e 13	rsaEncryption	2048 bits	sha1withRSA	Apr 21 12:45:26 2015 GMT	Jun 9 12:45:26 2027 GMT	41 d7 2a 22 fd 8e 3c db 03 ef 9c 37 d9 df 6d 30 3c 9a 8b 6f 82 97 34 91 b7 fe 3d 8b 45 98 c1 b5	0f 67 2d 92 a0 b0 6c ee 94 8f 03 b2 72 50 26 02 c6 e3 7d 2a 2a d6 94 a3 1d 5d e3 13 19 6e 92 82	
16	1	CN = Shoper@SSL, O = Dreamcommerce S.A., OU = Dreamcommerce S.A., C = PL	CN = Certum Global Services CA, OU = Certum Certification Authority, O = Unizeto Technologies S.A., C = PL	ff 86 46 00 be 58 6f 4e 01 aa bf e8 64 1d 00 cd	rsaEncryption	2048 bits	sha1withRSA	Jun 15 12:13:09 2012 GMT	Jun 13 12:13:09 2022 GMT	26 0b 7b a2 02 ad 4e bd f8 5b f1 fc 0f a7 ae 95 b9 da cb 2a 17 75 cc 7e 2d b5 d6 1c 5f 76 78 f7	9b aa 73 02 8f 3f 1f 6d 38 a3 7b ec 6d f5 76 16 b6 ef 3e d1 af d0 b9 95 e8 bb b2 11 27 56 5a b4	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
17	1	CN = nazwaSSL, O = NetArt Spółka Akcyjna S.K.A., OU = http://nazwa.pl, C = PL	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	43 55 07 aa 1c 57 3d 95 c0 e5 0c 44 a4 e6 da cf	rsaEncryption	2048 bits	sha1withRSA	Jul 6 10:31:40 2012 GMT	Jul 4 10:31:40 2022 GMT	96 fa 82 37 fd 51 03 bf ff 53 76 36 24 a3 38 b3 cf 04 13 25 53 36 f4 cb 6f f9 10 04 e1 96 e2 b1	e6 5d 90 da 75 6b ca 30 ee 77 00 7b 3b f5 5a 7b 27 a1 bd fe cc 9a d6 10 2a 42 e8 52 ea dd 5b 92	
	2	CN = nazwaSSL, O = nazwa.pl S.A., OU = http://nazwa.pl, C = PL	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	1a d7 1f b5 bb 5a 1d 59 5d 49 75 f4 f3 d4 2c d2	rsaEncryption	2048 bits	sha1withRSA	May 6 12:00:00 2014 GMT	Jul 4 10:31:40 2022 GMT	96 fa 82 37 fd 51 03 bf ff 53 76 36 24 a3 38 b3 cf 04 13 25 53 36 f4 cb 6f f9 10 04 e1 96 e2 b1	e3 86 df bd ac bf 7e c1 07 8c 26 45 64 86 d7 b5 15 94 38 92 8a 32 37 bc 1d ca 7f 97 5d 2a 51 4b	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
18	1	CN = Certum Extended Validation CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	f1 87 34 d4 83 95 86 2a 0c 3a f6 e4 b9 27 38 1a	rsaEncryption	4096 bits	sha1withRSA	Jan 24 11:36:55 2013 GMT	Jan 24 11:36:55 2028 GMT	af 19 83 48 86 ee 88 d4 bc 7f 39 07 ae ac 1b e6 03 3c 7c 65 d8 5d 8e c4 82 ae 5f 2d 8c 84 9f 8b	78 16 c7 b0 56 6b 46 78 3b 1c 15 d8 a2 8d 8b 0d 20 cf eb 20 b3 d1 3f 79 44 6e 15 c4 a5 1c 91 df	
19	1	CN = Certum Class I CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b4 7d e8 0b 87 45 85 5c 6e 9c 4e 6b b1 89 ab b4	rsaEncryption	4096 bits	sha1withRSA	Jan 24 11:38:56 2013 GMT	Jan 24 11:38:56 2028 GMT	5a be ec d5 e7 9e d6 6d 09 4b fe ad 76 be 58 bb fa c9 3a 9a ac 8e c6 fc 21 e3 5c 86 64 a3 90 be	33 7a c5 6f 39 fb 88 77 b9 f0 52 45 54 b7 55 d1 83 5a 80 7f fc 90 58 df c6 de 1b 70 7f 69 61 23	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
20	1	CN = Certum Code Signing CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	7f 46 f0 04 f1 a5 30 48 6a a6 b8 b9 5e 94 67 48	rsaEncryption	4096 bits	sha1withRSA	Jan 24 11:50:03 2013 GMT	Jan 24 11:50:03 2028 GMT	8c 8f 2a cf 39 8e 86 dc de 80 b4 d0 cb 3d 5b 90 b2 0d dd c4 c8 5d 78 b4 11 27 9a 41 bb 7a 7c 31	1b 82 f6 66 ce dc 5d 30 2b 0a 8f 1c ce 49 8c ee cd 73 02 08 a2 33 7d c7 66 4f ea c3 dd 2d 0f 92	
21	1	CN = SpaceSSL CA, O = Unizeto Technologies S.A., OU = SpaceSSL Certification Authority, C = PL	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	25 39 66 1f 53 7d 7b 5c ea 2c 99 9d b6 3c 08 3e	rsaEncryption	2048 bits	sha1withRSA	Apr 16 14:00:00 2014 GMT	Mar 2 11:00:00 2024 GMT	46 7d f2 ee ff 6d 1a 02 d0 81 e5 d1 cf 89 3b d4 8d 1b c0 3a 6d 60 2b db db b3 f4 97 6b 88 99 82	3a 29 82 8f 3d dc a8 5f bd 18 62 8a 05 24 76 43 13 60 ad 67 e8 94 20 28 27 71 c1 23 62 07 d4 3c	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
22	1	CN = Certum Class I CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	d1 47 aa 29 b0 42 89 f7 f5 c6 42 47 00 9f d3 39	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	0e 53 0b dc 82 19 62 62 9b 91 ce 6c 83 f5 65 c2 ee c6 98 b3 a1 4c 7c 65 c2 20 e7 b8 cf 2e 5d ca	2a b4 df f6 9d 75 bb f9 54 10 60 b4 34 ce 5a d0 c4 da cb 7a f0 db f2 1d 36 16 af cb 47 37 96 de	
23	1	CN = Certum Trusted Network CA SHA 2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	26 dd d2 2b 46 c9 c4 4d 5a 69 4d 39 80 7e 72 ad	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	4b 80 1b 24 d1 af c9 2e 7b 9f 32 70 bf cb 0f 31 43 0b f1 51 d2 a8 7d 6f 6e 20 5f b5 d3 dc 12 b2	12 9f b5 de 50 1e 24 04 1c d1 4a 81 07 5f d1 cd e2 57 40 8d 4a 35 3e 63 69 12 e3 8b dd a2 d3 fb	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
24	1	CN = Certum Domain Validation CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	26 dd d2 2b 46 c9 c4 4d 5a 69 4d 39 80 7e 72 ad	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	4b 80 1b 24 d1 af c9 2e 7b 9f 32 70 bf cb 0f 31 43 0b f1 51 d2 a8 7d 6f 6e 20 5f b5 d3 dc 12 b2	12 9f b5 de 50 1e 24 04 1c d1 4a 81 07 5f d1 cd e2 57 40 8d 4a 35 3e 63 69 12 e3 8b dd a2 d3 fb	
25	1	CN = Certum Organization Validation CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b5 ad 0f 63 85 4c c4 62 2e 4b 39 23 b2 90 02 16	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	e7 51 af 78 a3 6b a4 98 ed 1a 95 d8 e5 00 f1 d3 7b 37 61 34 30 69 08 9c e9 d5 81 aa 8d f3 5f ab	fd 02 36 22 44 f3 12 66 ca ff 00 58 18 d1 00 4e c4 eb 08 fb 23 9a af aa af ff 47 49 7d 60 05 d6	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
26	1	CN = Certum Extended Validation CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	00 c5 a2 d3 f6 eb 4d 19 3c 17 a9 0a a3 8a 29 6e 54	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 12:00:00 2014 GMT	Jun 9 10:46:39 2027 GMT	1d 82 d7 f1 fa 97 11 b3 77 36 7e fe e6 40 c2 6a 06 db cd 99 d2 a1 7b 0f fa b0 31 6d 92 78 8a c3	6c47d365c13 bc8cc3d6def5 d8f07ab8dbea 3c8d4945d65 1aa9854a9c9 a3cc71c	
27	1	CN = nazwaSSL, O = nazwa.pl S.A., OU = http://nazwa.pl, C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	52 8a 14 cd a9 1a 4b 45 a5 63 7c 03 64 7f 42 c1	rsaEncryption	2048 bits	SHA256with RSA	Sep 30 11:54:18 2014 GMT	Sep 27 11:54:18 2024 GMT	b0 f8 69 24 c3 97 d7 f4 04 22 33 0d fe 72 f2 f9 88 a8 c6 43 b4 a4 11 92 2b b7 3e 32 3f 70 c9 bc	74 9c c5 29 cd aa b9 ae 28 58 14 7c 4b 00 1a e1 d5 be 05 8f c1 65 c3 e7 4a f9 70 41 31 c5 e1 c1	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
28	1	CN= Shoper@SSL O = Dreamcommerce S.A., OU = Dreamcommerce S.A., C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	4e 4f 65 e0 1f 6b 73 5a fe 9c 07 2c 60 7c 4a bf	rsaEncryption	2048 bits	SHA256with RSA	Sep 30 11:54:40 2014 GMT	Sep 27 11:54:40 2024 GMT	bb 6a b3 46 b0 1d 98 da fe 31 ec ac ba 98 bd c7 b5 0d 31 a2 d8 67 3b 93 e0 e4 d3 86 7f fa c4 5e	27 7c f4 b6 5f 53 0f cc 07 28 5e f8 9d 83 11 88 48 84 00 4e 4f 2c 7d be 7c a0 06 e9 65 36 cd 62	
29	1	CN = SpaceSSL CA, O = Unizeto Technologies S.A., OU = SpaceSSL Certification Authority, C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	3d 5d ff f1 eb 31 44 fc 80 8c fa 46 bf 8c c1 7b	rsaEncryption	2048 bits	SHA256with RSA	Sep 30 11:55:21 2014 GMT	Sep 27 11:55:21 2024 GMT	00 e5 f2 e9 07 85 45 7a f7 2d ed a3 cb d5 54 1d 57 34 4d 8e 8d a1 f0 d0 b1 e1 50 71 a0 d1 96 8c	65 de 32 2a 1e f7 af fe de b7 38 71 38 c2 60 60 82 5b 08 cc 27 e1 99 2d d9 ea c8 33 72 97 95 7b	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
30	1	CN = Yandex CA, O = Yandex LLC, OU = Yandex Certification Authority, C = RU	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	e4 05 47 83 0e 0c 64 52 97 6f 7a 35 49 c0 dd 48	rsaEncryption	2048 bits	SHA256with RSA	Jan 21 12:00:00 2015 GMT	Jan 18 12:00:00 2025 GMT	2c d1 5e fb 27 38 fc d6 5b 25 5c a7 a7 10 1e 01 df 9b ad 4d c4 3f 01 9b b7 01 7a 55 e5 23 23 f6	c3 33 b6 16 38 b0 31 5f a8 01 cc e2 1c c4 ea 96 ef 7f 65 a3 99 94 50 18 6a 99 d1 9b b2 01 28 f7	
31	1	CN = www.lh.pl, O = LH.pl Sp. z o.o., OU = LH.pl, C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	0a 21 d8 0a f7 94 ed 90 46 81 6a 3c 5d b3 dd 33	rsaEncryption	2048 bits	SHA256with RSA	Jan 28 08:58:34 2015 GMT	Jan 25 08:58:34 2025 GMT	48 f7 e5 25 33 df 6d 18 3a 35 66 24 c6 b3 9a a9 61 63 91 4c fa 77 a7 f1 7b c3 ce 72 d3 f2 10 5a	59 a3 45 6e 75 0e 32 5f cb 13 59 dc 29 e8 28 18 9b 49 82 c1 19 c6 4f ac fd 67 28 71 1b 30 53 2f	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
32	1	CN = Certum Digital Identification CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA, OU = Certum Certification Authority, O = Unizeto Technologies S.A., C = PL	66 da ef 03 db 84 61 91 6b 25 ba 83 fb 17 4e 13	rsaEncryption	2048 bits	SHA256with RSA	Apr 21 12:45:26 2015 GMT	Jun 9 12:45:26 2027 GMT	41 d7 2a 22 fd 8e 3c db 03 ef 9c 37 d9 df 6d 30 3c 9a 8b 6f 82 97 34 91 b7 fe 3d 8b 45 98 c1 b5	0f 67 2d 92 a0 b0 6c ee 94 8f 03 b2 72 50 26 02 c6 e3 7d 2a 2a d6 94 a3 1d 5d e3 13 19 6e 92 82	
33	1	CN = nazwaSSL, O = nazwa.pl sp. z o.o., OU = http://nazwa.pl, C = PL	CN = Certum Global Services CA SHA2, OU = Certum Certification Authority, O = Unizeto Technologies S.A., C = PL	60 6c 62 dc 97 d1 a0 39 2e e9 cb 12 b2 1d 6d d9	rsaEncryption	2048 bits	SHA256with RSA	Dec 31 10:05:42 2015 GMT	Dec 28 10:05:42 2025 GMT	01 6e 94 f2 a3 ea 93 5d 78 ad f9 76 b0 08 62 12 29 b6 3d fd 26 ab f4 5b fc 17 96 4a 55 40 88 fe	a6 9c 59 96 6e bb cd fe c7 f4 ff 02 88 c8 6f f6 03 56 fa 78 60 20 8b 93 b4 3a 09 5b 06 00 cc 1e	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
34	1	CN = Certum Code Signing CA SHA2, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	6b 32 6a 0f 03 28 d3 7a 1d 53 0b fd 23 bd 48 e2	rsaEncryption	2048 bits	SHA256with RSA	Oct 29 11:30:29 2015 GMT	Jun 9 11:30:29 2027 GMT	9f c9 32 1a e2 66 00 f7 7f 3b 1d 9e a5 4d 6f 36 b5 4e 4e 9e 65 c2 be 32 e5 70 61 e3 4d 4a 90 4b	06 e5 ba f5 9e 3d a8 05 ce 9f 28 6d f1 ba ea 93 d2 bd 67 1f 6d 73 72 8a 25 eb 6a c6 97 f2 04 c1	
35	1	CN = Certum Extended Validation Code Signing CA SHA2 O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	4e 96 c1 ba 06 25 8a 0c 2a ba 27 62 5e 90 64 d3	rsaEncryption	2048 bits	SHA256with RSA	Oct 29 11:55:39 2015 GMT	Jan 19 11:55:39 2027 GMT	2a 61 62 e4 4d fc 38 08 bd 88 8b 7b e2 37 2d ee 22 47 43 40 12 6e 33 8e c1 d2 b9 ec e1 43 bb c5	17 6a ae 8b dd 5d d0 6a 7d bd 42 86 2d c1 73 bd 83 8f fe 30 13 10 3b 09 7b 96 71 c3 7b a6 ae 14	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
36	1	CN = Certyfikat SSL O = home.pl S.A., C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	31 1d 7e dd e4 92 02 08 bb d8 5e f7 26 2b ba	rsaEncryption	2048 bits	SHA256with RSA	Jun 8 08:01:29 2016 GMT	Jun 6 08:01:29 2026 GMT	e4 f2 78 8c 1d 6c 8c 9e 64 c7 76 b4 0e cd a7 a0 93 dc d3 b6 4e 6f fc b5 bd 1d 6d 37 5b 79 16 c4	a9 5f 23 b5 2a f1 08 95 88 6f b6 53 23 d2 9a 98 76 ea 7d 39 6f 80 5e 4c a2 80 d5 61 c2 6e 3d ad	
37	1	CN = WoSign OV SSL CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	ef 05 1a 74 1a 1d 94 09 fc a5 e4 64 0f 8d 3c 9b	rsaEncryption	2048 bits	SHA256with RSA	Nov 9 08:33:44 2016 GMT	Nov 9 08:33:44 2026 GMT	31 92 83 d9 ce b4 14 71 01 a2 3f ae 64 d9 5e 83 29 48 1a f0 9a 7e ed 2d 05 9d 9e 50 76 a8 d3 ed	c7 f5 46 f0 c7 6c 9a 0d a9 99 2e 98 84 e6 24 8b 7c a2 bb 6a de 83 8b d7 a0 3a 8c 41 ee 2a 30 64	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
38	1	CN = WoSign Code Signing CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	17 ef 72 b4 15 7d 6f 4b 68 e4 bd d5 75 e5 cc ae	rsaEncryption	2048 bits	SHA256with RSA	Nov 9 08:45:13 2016 GMT	Nov 9 08:45:13 2026 GMT	15 94 b4 17 ff c9 ec 51 f3 a4 da af db 67 e1 4d 96 75 9e cf 25 8a fa 84 6a 20 7d 35 fb 5d 8a 85	7b 0b c3 56 3d 43 30 91 18 f5 60 a6 c9 9a 22 1c 35 39 9b 10 29 3f 73 be 41 a1 2a ca 03 38 07 5f	
39	1	CN = WoSign EV SSL CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	52 0a 3a 46 9d 14 6b 20 29 7a fd 01 5e 64 ab f5	rsaEncryption	2048 bits	SHA256with RSA	Nov 10 11:03:19 2016 GMT	Nov 10 11:03:19 2026 GMT	91 4b 1a a8 41 5c 44 d6 1e 2c c0 da 29 24 fc da 30 8a d9 f3 f6 43 34 83 45 4c 8d f7 68 a2 72 fc	c0 ab 07 d9 07 1a 4c c1 d3 44 09 17 8f 8b ca 05 83 10 a8 b1 11 dd cf a6 55 65 87 60 22 6f 50 f9	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
40	1	CN=4fastssl.com , O = 3S2N Sp. z o.o., OU = 3S2N Sp. z o.o., C = PL	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	7c 08 76 ae 51 f5 2f 12 7a 95 32 47 b4 83 4b 62	rsaEncryption	2048 bits	SHA256with RSA	Apr 18 11:09:36 2017 GMT	Apr 16 11:09:36 2027 GMT	b0 de d8 bf 4a 93 ca 35 be 04 94 df 93 37 55 bd 8c 5d d4 4c 54 17 09 77 72 fc 1b 2f 3b 64 e4 57	31 ac 34 6b 31 07 3d c0 d1 34 e2 9f c2 12 cc 4a 15 ed 35 30 ee a1 ed cf c8 da cb 36 49 2d 5d e4	
41	1	CN = WoSign DV SSL CA, O = WoSign CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	e2 1a 21 1a a8 91 e2 d3 54 59 ff d3 6d 27 c4 26	rsaEncryption	2048 bits	SHA256with RSA	May 18 07:46:14 2017 GMT	May 18 07:46:14 2027 GMT	1b f5 7e e0 06 08 f5 70 24 36 37 64 e1 26 6a 2e b5 a4 ca 57 d9 6e 03 c6 d5 2e 1c 36 70 14 d4 5e	03 30 28 6d f3 61 2c 0e 96 8d cd 51 8a 7a 31 6d 5e 07 90 d1 ca 32 4b 90 6b 0e f0 17 c0 be 3e a7	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
42	1	CN = TrustAsia DV SSL CA - C3, O = TrustAsia Technologies Inc., C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	f1 5c c0 9c 2d cc 61 02 08 b8 0e a3 05 72 43 a9	rsaEncryption	2048 bits	SHA256with RSA	Oct 23 07:16:44 2017 GMT	May 14 07:16:44 2027 GMT	91 90 f5 ac 08 72 75 47 18 c7 f8 87 8b 04 3e c6 c8 7d da 27 5c e4 2a f2 be ce 3e d8 c7 90 9e 99	c2 5f 1e 96 00 0b c3 6e 2a a5 cd 54 bf 24 f4 8b 76 89 0a 16 2e 1a d8 e1 04 99 26 50 51 06 26 c2	
43	1	CN = TrustAsia OV SSL CA - C3, O = TrustAsia Technologies Inc., C = CN	CN = Certum Global Services CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	30 9e 97 b6 cc d8 67 28 42 fa 20 59 59 29 20 a8	rsaEncryption	2048 bits	SHA256with RSA	Oct 23 07:20:14 2017 GMT	May 14 07:20:14 2027 GMT	84 46 51 6f 46 81 7f 28 7f d7 2a 22 ec 82 36 9b 44 d0 fc 90 a4 26 05 b0 7c b6 67 8b b9 59 50 76	7a 14 2b 1a 5e 16 21 51 83 a1 3e 84 0a 86 2a 43 7e 29 3d 93 66 92 1d b0 7e db 54 f1 38 ac 0d 78	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
44	1	CN = TrustAsia EV SSL CA - C3, O = TrustAsia Technologies Inc., C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	17 86 66 a8 55 4a cc bf e7 34 57 e6 45 1a 68 6c	rsaEncryption	2048 bits	SHA256with RSA	Oct 23 07:22:36 2017 GMT	May 14 07:22:36 2027 GMT	df 3b e1 af d1 4b a3 1f fa 1c af 82 2e f4 7f c0 4e 17 29 08 ed a8 3b f3 34 fc 52 af 43 3c 8d e6	bc0878cbbc4e 0daf7a9da464 ab16262a235 bfdaed33b9f9 569ba18ff349 97580	
45	1	CN = TrustOcean Certification Authority, O = QiaoKr Corporation Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	15 09 b3 b3 52 d6 68 9b 5a 72 72 f3 72 e7 e0 28	rsaEncryption	2048 bits	SHA256with RSA	Oct 23 07:26:08 2017 GMT	May 14 07:26:08 2027 GMT	02 a9 f1 95 51 87 72 e1 32 c0 17 50 c6 77 0e a0 c0 5d db 0f a2 74 d9 5f a0 31 27 4e 01 31 e5 2e	a4 16 a2 ba 49 0c 45 4e 23 b8 5b f0 87 db 7b 13 7f 4f 47 d9 74 7e 60 f8 69 2f f4 c8 df 0e 06 2b	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
46	1	CN = GDCA TrustAUTH R4 DV SSL CA G2, O = "Global Digital Cybersecurity Authority Co., Ltd.", C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	9e 9c b6 94 26 c4 5c c4 30 6d 3e 1c c2 a7 9e fc	rsaEncryption	2048 bits	SHA256with RSA	Jan 26 09:21:29 2018 GMT	May 20 09:21:29 2027 GMT	71 fb 10 8f af 19 90 8c 9b 93 58 17 ea 18 b3 59 a7 28 13 b8 6f a8 93 6e 8c db b6 13 4d e7 ff 78	6c df 9d cb f3 51 0a 3b b4 02 76 1d 62 d0 c5 e4 e7 af c5 1d 9c ff 01 f0 2b d5 32 56 dc 56 7a df	
47	1	CN = GDCA TrustAUTH R4 OV SSL CA G2, O = "Global Digital Cybersecurity Authority Co., Ltd.", C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b0 ef d0 2a 81 bf 1c e8 9f 7a 18 c2 94 e4 c3 3c	rsaEncryption	2048 bits	SHA256with RSA	Jan 26 09:20:14 2018 GMT	May 20 09:20:14 2027 GMT	5f f9 03 44 91 b2 a3 58 2b e5 78 12 e2 11 a4 03 52 47 d7 d4 5b 9f 4f a3 01 dc 51 90 6c 0e 7e 2b	e8 1b 01 f9 f5 69 2c f3 82 3c 6f d3 58 86 54 2b fa ee fc 5e a9 4f 4e 24 6e 42 c4 a9 fc 5f e8 ab	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
48	1	CN = GDCA TrustAUTH R4 EV SSL CA G2, O = "Global Digital Cybersecurity Authority Co., Ltd.", C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	d5 f8 3e 8d da f6 7c 88 29 e8 90 16 b7 87 7d 13	rsaEncryption	2048 bits	SHA256with RSA	Jan 26 09:21:58 2018 GMT	May 20 09:21:58 2027 GMT	1a 57 eb 46 0c 3d 8d 6f 55 34 2e d8 d5 a5 c3 b1 3b 07 87 a7 54 3c 01 2e 77 c7 e1 cc e3 be 11 d6	68 69 24 2c d8 ad 2a c7 7b c0 28 94 7b c7 d0 c4 f6 e9 cb f0 89 9d 65 70 98 10 d8 9f 94 b5 d7 0d	
49	1	CN = GoGetSSL Domain Validation CA SHA2, O = EnVers Group SIA, OU = GoGetSSL Certification Authority, C = LV	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b0 a2 0c 00 9d a4 b5 eb a6 44 c7 9c 22 82 70 c5	rsaEncryption	2048 bits	SHA256with RSA	Jan 26 09:05:16 2018 GMT	May 20 09:05:16 2027 GMT	a7 5f 39 6d 8c 62 14 ef 99 c0 a0 15 fa 62 27 78 7c 3e be e1 f6 ae aa 58 90 33 b2 8c a3 7b 0f 21	b5 f6 2e c3 81 31 cd 14 b1 fc 95 b8 77 f4 d2 10 be 4b fa cc 7e 6a 6a a1 42 2d 89 e3 4b 7a c4 c1	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
50	1	CN = GoGetSSL Business Validation CA SHA2 O = EnVers Group SIA, OU = GoGetSSL Certification Authority, C = LV	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	c5 57 ea c3 1e 7e 21 fb 02 6f 20 e0 96 b6 ba d4	rsaEncryption	2048 bits	SHA256with RSA	May 20 09:15:10 2018 GMT	May 20 09:15:10 2027 GMT	5a 12 5b d5 18 63 eb e5 17 7e d5 54 91 e5 55 e4 28 8e 67 07 d6 17 88 1d b2 41 15 bf 25 a9 37 13	18 95 8d 03 af b4 09 68 7a 1b c2 63 86 0d 0d 73 5a 25 a0 04 ab 60 e0 f0 e4 5d 63 33 58 74 37 ae	
51	1	CN = GoGetSSL Extended Validation CA SHA2, , O = EnVers Group SIA, OU = GoGetSSL Certification Authority, C = LV	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	27 c6 c9 81 d3 d1 5d 0f 78 37 71 21 f8 23 3e 00	rsaEncryption	2048 bits	SHA256with RSA	May 20 09:09:45 2018 GMT	May 20 09:09:45 2027 GMT	04 f1 02 c7 ac 0d ab dd 29 f2 0b b4 62 92 75 15 cd 03 c7 b8 74 4a 69 2d 78 32 b9 c4 39 97 4f 96	ee da 15 ba 00 0b 00 6e ad 49 a2 1b be 76 9f 3b a6 ce 75 c9 24 9f 01 14 d8 dd 88 2d fc 0f 2c 1b	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
52	1	CN = WoTrus DV SSL CA O = WoTrus CA Limited C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	34 9b b1 44 ae 56 11 e9 9b f4 34 5c 7f c9 ae fc	rsaEncryption	2048 bits	SHA256with RSA	Apr 17 08:18:56 2018 GMT	May 18 08:18:56 2027 GMT	aa 8d 50 cb 36 02 50 23 3a 4d 3a 64 7e 5c 96 95 ed 84 46 e3 50 f2 ae ff f7 da 02 b7 54 66 0e 09	69 70 e3 96 62 14 17 dc ee 31 5a ac 28 bb 5e a3 16 1f 17 50 20 f7 f4 e9 ba 17 da de 58 db b0 8d	
53	1	CN = WoTrus OV SSL CA, O = WoTrus CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	05 ed 88 d8 08 8d 11 eb dd d6 23 96 3c ba ed 42	rsaEncryption	2048 bits	SHA256with RSA	Apr 17 08:15:03 2018 GMT	May 18 08:15:03 2027 GMT	c7 10 ca 27 a5 ac ac 86 75 5f f1 35 5c 8d 48 42 05 0d 19 cd 52 aa e4 a4 e5 49 32 38 11 ca ab 82	f6 bf 88 b2 a8 dc d4 fe b4 01 59 84 ec 2f 14 27 c8 01 7d 14 0c f4 1f 22 ee 68 9e 0d 67 18 01 2f	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
54	1	CN = WoTrus EV SSL CA, O = WoTrus CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	07 dd ed 67 4e 2a 2c 08 c9 de 66 66 c9 71 54 1f	rsaEncryption	2048 bits	SHA256with RSA	Apr 17 08:17:48 2018 GMT	May 18 08:17:48 2027 GMT	6d f9 b7 d0 ad ae 7d 00 b7 81 02 0d c6 5e ce c1 11 28 15 24 04 26 b2 b8 79 c3 03 de 3c bf 42 57	ea 69 63 69 67 50 56 4a 22 8b 3e b8 8e 0f d4 30 4c 5d a2 7a 7a f9 2d 1d 41 99 35 7a 50 07 83 15	
55	1	CN = WoTrus Code Signing CA O = WoTrus CA Limited, C = CN	CN = Certum Trusted Network CA OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	6e a1 d4 94 5f 0e 69 e9 d6 f1 48 2c 58 6a 71 af	rsaEncryption	2048 bit	SHA256with RSA	Apr 17 08:20:15 2018 GMT	May 18 08:20:15 2027 GMT	ac 81 41 56 41 a2 b9 20 72 51 59 78 be e9 09 cf 54 1c b5 86 4b 06 32 c9 f5 95 5a e8 db 65 dc 0f	08 29 CA B6 93 AA DF AF 21 C7 78 76 DB E7 6B B9 AC 74 91 60 8F FA EB F7 D1 D5 3C 28 9F C8 84 52	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
56	1	CN = Abitab SSL Domain Validated, O = Abitab S.A., OU = IDdigital, C = UY	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	10 1d 42 22 55 e1 fe 41 66 60 c4 80 17 76 11	rsaEncryption	2048 bit	SHA256with RSA	Aug 22 07:09:52 2018 GMT	May 2 07:09:52 2027 GMT	f7 08 35 93 16 e5 fd ec 3e e7 ee ed a5 ab 6d 3c fb bf 8f d6 e0 0d cb 64 b9 c3 64 a4 e1 be 53 ab	e6 7d 18 63 93 67 c5 b2 9b f7 a5 68 3b 56 b0 f0 c2 31 55 c8 fe 94 52 bc fe 51 68 14 36 02 37 42	
57	1	CN = Abitab SSL Organization Validated O = Abitab S.A. OU = IDdigital, C = UY	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	f0 d5 94 15 c6 de cb 4f 88 8f 28 37 e6 06 81 0f	rsaEncryption	2048 bit	SHA256with RSA	Aug 22 07:10:59 2018 GMT	May 2 07:10:59 2027 GMT	13 81 8b 0e d4 c4 c0 ee d4 09 e0 2d 3b c8 9b 6c eb ba 14 b6 71 48 85 02 fd f0 73 21 b3 39 99 5e	ee f9 06 64 24 c2 35 08 e9 c6 5f 84 67 1b 14 e1 6d a1 be c3 58 e7 5f c6 38 2e ca 07 0a e8 61 be	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
58	1	CN = Abitab SSL Extended Validation O = Abitab S.A., OU = IDdigital, C = UY	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	63 e9 b3 7a 0f ea 72 23 14 84 b6 7e ed 4b a9 e3	rsaEncryption	2048 bit	SHA256with RSA	Aug 22 07:12:25 2018 GMT	May 2 07:12:25 2027 GMT	cb 62 9a 02 c5 35 55 f2 5f 59 14 18 3d ea b7 1d 5c 4e d4 65 6b c1 2c 38 c4 6a bb ad 22 6d c8 82	93 b2 81 bd 81 d8 3c f9 86 65 9d ff d0 af 57 99 3b 92 e6 e4 61 41 62 53 9f 75 05 24 ce 11 bb cb	
59	1	CN = QIDUOCA 2018 DV SSL, O = "Suzhou Qiduo Information Technology Co., Ltd.", OU = Domain Validated SSL, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	d8 f0 2e 70 02 e2 f5 3f a5 39 ea 25 3a 26 4d 3a	rsaEncryption	2048 bit	SHA256with RSA	Aug 22 07:14:49 2018 GMT	May 2 07:14:49 2027 GMT	1e 34 f5 d6 ec 5b d1 d5 d7 c5 99 e1 e8 55 26 11 65 47 50 bb 52 b4 f6 75 2c bc d1 61 d9 1d a2 a6	e3 72 22 12 66 a3 30 dd 13 eb 13 88 df aa f1 fa b1 1d f2 54 b6 33 85 cb 63 7b fe f8 fb 5f b6 75	

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
60	1	CN = Shuidi Webtrust SSL Domain Validated O = Shanghai Ping An Credit Reference Company Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	90 73 d7 67 4c 9c ba 7b be 10 70 65 93 dd 72 33	rsaEncryption	2048 bit	SHA256with RSA	Feb 7 09:14:08 2019 GMT	May 21 09:14:08 2027 GMT	cf c5 2f 65 52 32 68 e4 e4 26 8b 25 d9 59 fc 1d b7 27 ec 28 4a 0a 8b 05 12 62 81 82 f4 4b 87 a5	4d 67 23 7b 2c fa cf ff 3d dc 83 c2 ff 1c 92 a8 e0 a9 8a 71 bd 04 ed 39 f8 af f4 2a af 99 37 1d	
61	1	CN = Shuidi Webtrust SSL Extended Validated O = Shanghai Ping An Credit Reference Company Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	a5 1d 34 44 bc de b1 f3 32 40 00 1b d5 8d 21 38	rsaEncryption	2048 bit	SHA256with RSA	Feb 7 09:18:47 2019 GMT	May 21 09:18:47 2027 GMT	60 04 58 f0 ce 29 35 54 23 4a c9 39 5e 0c 3e 37 76 fb 65 a4 2c b1 4d fe 32 5d aa e5 ce 79 3f 54	6c 40 d0 7f 47 05 a5 b4 f0 4c 6a ec dc 5a 1b f5 fd 38 d2 b6 cf 2d b7 f2 12 ca 25 10 75 be 12 5d	

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CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
62	1	CN = Shuidi Webtrust SSL Organization Validated, O = Shanghai Ping An Credit Reference Company Limited, C = CN	CN = Certum Global Services CA SHA2 OU = Certum Certification Authority O = Unizeto Technologies S.A. C = PL	b3 78 0c 84 db 0d 04 1b 1c d6 6a 40 cb 8d 95 73	rsaEncryption	2048 bit	SHA256with RSA	Feb 7 09:17:34 2019 GMT	May 21 09:17:34 2027 GMT	6d 01 29 55 2f cf d9 36 89 04 88 60 a4 45 c1 0b c8 c7 a9 72 e5 a1 2f 5b e0 49 0a 7f 75 88 2c 4f	ee 09 d4 9c 7c f4 41 84 0d a5 15 8d 0e 70 d4 c6 ca eb 4f cc fe 67 58 ee 4c c4 5c 71 a2 87 df 39	

Cross-certificates

The cross certificates listed below are in scope only for the criterion 7.1 “Subordinate CA and Cross Certificate Lifecycle Management”.

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
1	1	CN = Certification Authority of WoSign G2 O = WoSign CA Limited, C = CN	CN = Certum CA O = Unizeto Sp. Z. o. o. C = PL	7b bc 12 a5 5c 66 80 04 b9 fe 2a 0b 8b 68 81 20	rsaEncryption	2048 bits	sha1withRSA	Jan 1 01:59:59 2012 GMT	Nov 2 01:59:59 2020 GMT	38 1a 3f c7 a8 b0 82 fa 28 61 3a 4d 07 f2 c7 55 3f 4e 19 18 ee 07 ca a9 e8 b7 ce de 5a 9c a0 6a	10 92 c4 3d 57 bc da 0a f7 02 91 e3 7f dd e8 8b 02 de 83 e3 f4 01 32 72 d4 ca 2a e3 c7 49 8f e4	revoked Nov 29 08:07:11 2016 GMT
2	1	CN = Certification Authority of WoSign G2, O = WoSign CA Limited, C = CN	CN = Certum CA O = Unizeto Sp. z o.o., C = PL	bc 72 66 66 ff 58 bf f0 02 e5 22 3c ae 68 2b f8	rsaEncryption	2048 bits	SHA256with RSA	Feb 1 01:59:00 2012 GMT	Nov 2 01:01:59 2020 GMT	38 1a 3f c7 a8 b0 82 fa 28 61 3a 4d 07 f2 c7 55 3f 4e 19 18 ee 07 ca a9 e8 b7 ce de 5a 9c a0 6a	7b da 50 13 1e a7 e5 5c 8f dd a6 35 63 d1 23 14 a7 15 9d 56 21 33 3b a8 bc da d0 b8 a3 a5 0e 6c	revoked Nov 29 08:07:41 2016 GMT

CA #	CERT. #	SUBJECT	ISSUER	SERIAL NUMBER	KEY ALGORITHM	KEY SIZE	DIGEST ALGORITHM	NOT BEFORE	NOT AFTER	SUBJECT KEY IDENTIFIER	SHA-256 FINGERPRINT	OTHER INFORMATION
3	1	CN = SSL.com Root Certification Authority RSA, O = SSL Corporation, L = Houston, ST = Texas, C = US	CN = Certum Trusted Network CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	e4 27 04 95 f6 8c 91 d6 d0 ec 7b 49 4e a4 df 1c	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 09:26:47 2018 GMT	Sep 11 09:26:47 2023 GMT	d1 c4 53 77 eb dc d6 18 cd 16 51 dc 2e 02 c2 1d 75 1e 5a a9 fc d1 b3 43 1f f6 ec f6 a3 13 48 fa	ac f7 18 df 83 8e 64 00 51 77 7d 19 47 f5 16 20 e8 d8 04 ba 18 65 53 ae 52 fc 98 11 b5 d3 4b 8b	
4	1	CN = SSL.com Root Certification Authority RSA R2, O = SSL Corporation, L = Houston, ST = Texas, C = US	CN = Certum Trusted Network CA, O = Unizeto Technologies S.A., OU = Certum Certification Authority, C = PL	62 f8 12 a3 5f 52 bd 74 b7 18 d6 10 ac 4b 47 83	rsaEncryption	2048 bits	SHA256with RSA	Sep 11 09:28:20 2018 GMT	Sep 11 09:28:20 2023 GMT	7c d6 7c 24 8f 69 d8 3f c2 f9 bb 01 dc b1 f7 ad 67 a3 63 d0 46 04 37 96 d0 98 4c 3a 23 1f 6b b0	b9 71 76 f2 1b 6e d6 46 09 26 7b 2d 1a 2a 9f af 0c 4d eb d4 46 44 dc 85 eb 6a e9 86 fc 86 7d 56	