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Report of Independent Accountants

To the Management of DigiCert Ireland Limited

We have examined the accompanying [assertion](#) made by the management of DigiCert Ireland Limited (for purposes of this report, also referred to as the “Company” or “DigiCert” or “QuoVadis”), titled **Management’s Assertion Regarding the Effectiveness of Its Controls Over its Certification Authority Operations Based on the WebTrust Services Principles and Criteria for Certification Authorities Version 2.2.2** that provides its Certification Authority (CA) services at Bermuda, the Netherlands, Switzerland, the United Kingdom, the United States, Ireland, Belgium and Germany, for the Root CAs and Subordinate CAs referenced in [Appendix A](#) during the period from 1 January 2023 through 31 December 2023, DigiCert has:

- ▶ disclosed its Business, Key Life Cycle Management, Certificate Life Cycle Management, and CA Environmental Control practices in its Certificate Practice Statement, and Certificate Policy:
 - ▶ [DigiCert Europe / DigiCert Certification Policy / Certification Practice Statement, version 5.1](#) dated 15 December 2023
- ▶ maintained effective controls to provide reasonable assurance that:
 - ▶ DigiCert provides its services in accordance with its Certificate Practice Statement
- ▶ maintained effective controls to provide reasonable assurance that:
 - ▶ the integrity of keys and certificates it manages is established and protected throughout their life cycles
 - ▶ the integrity of subscriber keys and certificates it manages is established and protected throughout their life cycles
 - ▶ subscriber information is properly authenticated (for the registration activities performed by DigiCert); and
 - ▶ 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 Services Principles and Criteria for Certification Authorities Version 2.2.2](#).



DigiCert's management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with the WebTrust Services Principles and Criteria for Certification Authorities Version 2.2.2.

DigiCert does not provide key escrow services for CA keys and does not provide certificate suspension services. Accordingly, our examination did not extend to controls that would address those criteria.

Our responsibility is to express an opinion on DigiCert management's assertion based on our examination. Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants ("AICPA"). Those standards require that we plan and perform our examination to obtain reasonable assurance about whether management's assertion is fairly stated, in all material respects. An examination involves performing procedures to obtain evidence about management's assertion. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risk of material misstatement, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

The relative effectiveness and significance of specific controls at DigiCert 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. Our examination did not extend to controls at individual subscriber and relying party locations and we have not evaluated the effectiveness of such controls.

Our examination was not conducted for the purpose of evaluating DigiCert's cybersecurity risk management program. Accordingly, we do not express an opinion or any other form of assurance on its cybersecurity risk management program.

We are required to be independent of DigiCert and to meet our other ethical responsibilities, as applicable for examination engagements set forth in the Preface: Applicable to All Members and Part 1 - Members in Public Practice of the Code of Professional Conduct established by the AICPA.

There are inherent limitations in the effectiveness of any system of internal control, including the possibility of human error and the circumvention of controls. Because of inherent limitations in its internal control, DigiCert may achieve reasonable, but not absolute assurance that all security events are prevented and, for those controls may provide reasonable, but not absolute assurance that its commitments and system requirements are achieved. 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.

Examples of inherent limitations of internal controls related to security include (a) vulnerabilities in information technology components as a result of design by their manufacturer or developer; (b) breakdown of internal control at a vendor or business partner; and (c) persistent attackers with the resources to use advanced technical means and sophisticated social engineering techniques specifically targeting the entity. Furthermore, the projection of any evaluations of effectiveness to future periods is subject to the risk that controls may become inadequate because of changes in conditions, that the degree of compliance with such controls may deteriorate, or that changes made to the system or controls, or the failure to make needed changes to the system or controls, may alter the validity of such evaluations.



In our opinion, DigiCert management's assertion referred to above, is fairly stated, in all material respects, based on the aforementioned criteria.

The WebTrust seal of assurance for Certification Authority on DigiCert's website 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.

This report does not include any representation as to the quality of DigiCert's CA services beyond those covered by the WebTrust Services Principles and Criteria for Certification Authorities Version 2.2.2, or the suitability of any of DigiCert's services for any customer's intended purpose.

A handwritten signature in black ink that reads 'Ernst & Young LLP'.

Ernst & Young LLP

28 March 2024



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Management's Assertion Regarding the Effectiveness of Its Controls Over its Certification Authority Operations Based on the WebTrust Principles and Criteria for Certification Authorities v2.2.2

28 March 2024

We, as management of DigiCert Ireland Limited (for purposes of this letter, also referred to as the "Company" or "DigiCert" or "QuoVadis") are responsible for operating a Certification Authority (CA) at Bermuda, the Netherlands, Switzerland, the United Kingdom, the United States, Ireland, Belgium and Germany for the Root CAs and Subordinate CAs listed in the [Appendix A](#). DigiCert's CA services provide the following certification authority services:

- Subscriber key management services
- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate status information processing

Management of DigiCert is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure on its website, CA business practices management, CA environmental controls, CA key lifecycle management controls, subscriber key lifecycle management controls, certificate lifecycle management controls, and subordinate CA certificate lifecycle management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

Controls have inherent limitations, including the possibility of human error and the circumvention or overriding of controls. Accordingly, even effective controls can provide only reasonable assurance with respect to DigiCert's CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Management of DigiCert has assessed the disclosure of its certificate practices and its controls over its CA services. Based on that assessment, in DigiCert management's opinion, in providing its CA services for the Root CAs and Subordinate CAs listed in [Appendix A](#) at Bermuda, the Netherlands, Switzerland, the United Kingdom, the United States, Ireland, Belgium and Germany, during the period from 1 January 2023 through 31 December 2023, DigiCert has:

- disclosed its business, key life cycle management, certificate life cycle management, and CA environmental control practices as below:
 - [DigiCert Europe / QuoVadis Certification Policy / Certification Practice Statement, version 5.1](#) dated 15 December 2023
- maintained effective controls to provide reasonable assurance that:
 - DigiCert's Certificate Practice Statement is consistent with its Certificate Policy; and
 - DigiCert's provides its services in accordance with its Certificate Policy and Certificate Practice Statement.



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- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages was established and protected throughout their life cycles
 - the integrity of subscriber keys and certificates it manages was established and protected throughout their life cycles
 - subscriber information was properly authenticated (for the registration activities performed by DigiCert); and
 - subordinate CA certificate requests were accurate, authenticated, and approved,
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data was restricted to authorized individuals
 - the continuity of key and certificate management operations was maintained; and
 - CA systems development, maintenance and operations were properly authorized and performed to maintain CA systems integrity.

in accordance with the [WebTrust Services Principles and Criteria for Certification Authorities Version 2.2.2](#), including the following:

CA Business Practices Disclosure

CA Business Practices Management
Certification Practice Statement Management
Certificate Policy Management
CP and CPS Consistency

Service Integrity

CA Key Life Cycle 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 Life Cycle Management

Subscriber Key Life Cycle Management Controls

CA-Provided Subscriber Key Generation Services
CA-Provided Subscriber Key Storage and Recovery Services
Integrated Circuit Card Life Cycle Management
Requirements for Subscriber Key Management

Certificate Life Cycle Management Controls

Subscriber Registration
Certificate Renewal



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Certificate Rekey
Certificate Issuance
Certificate Distribution
Certificate Revocation
Certificate Validation

Subordinate CA Certificate Life Cycle Management Controls
Subordinate CA Certificate Life Cycle Management

CA Environmental Controls

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

DigiCert does not provide key escrow services for CA keys and does not provide certificate suspension services. Accordingly, our assertion does not extend to controls that would address those criteria.

Very truly yours,

A handwritten signature in black ink that reads "Laoise O'Connor". The signature is written in a cursive, flowing style.

Laoise O'Connor
Corporate Counsel
DigiCert Ireland Limited



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Appendix A - Certificate Authorities - List of CAs In-scope

Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis Root CA 1 G3 O = QuoVadis Limited C = BM	78585f2ead2c194 be337073534132 8b596d46593	8A866FD1B276B57E578E921C65828A2BED58E9F2F288054134B7F1F4BFC9CC74
CN = QuoVadis Root CA 2 O = QuoVadis Limited C = BM	509	85A0DD7DD720ADB7FF05F83D542B209DC7FF4528F7D677B18389FEA5E5C49E86
CN = QuoVadis Root CA 2 G3 O = QuoVadis Limited C = BM	445734245b8189 9b35f2ceb82b3b5 ba726f07528	8FE4FB0AF93A4D0D67DB0BEBB23E37C71BF325DCBCDD240EA04DAF58B47E1840
CN = QuoVadis Root CA 3 O = QuoVadis Limited C = BM	05c6	18F1FC7F205DF8ADDDEB7FE007DD57E3AF375A9C4D8D73546BF4F1FED1E18D35
CN = QuoVadis Root CA 3 G3 O = QuoVadis Limited C = BM	2ef59b0228a7db7 affd5a3a9eebd03a 0cf126a1d	88EF81DE202EB018452E43F864725CEA5FBD1FC2D9D205730709C5D8B8690F46
CN = QuoVadis Client RSA 4096 Root G4 O = QuoVadis Trustlink B.V. C = NL	7B9B8E6F11C9E1 3DB7CB9BEB3920 B4CA3566F648	80AC91FA891C79723A61ABC77F86E19905A92DA27E51695CA0C0B66C1C039BF2
CN = QuoVadis Client ECC P384 Root G4 O = QuoVadis Trustlink B.V. C = NL	1561345225C6DE 0A833890C40560 CC7A0F9E02AA	D3C07AC44BD8FF1975BC62F1C7E9840EA8E188A4BA51133B8C4EFF05E34A2729
CN = QuoVadis Signing ECC P384 Root G4 O = QuoVadis Trustlink B.V. C = NL	35DCEAA8F16E77 A5DDFC16AD369 C34BD1545CE29	771535D43D4633BD307EB7B8A3966B5DF00707C088089920080C1AE6D3CB0F68



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis Signing RSA 4096 Root G4 O = QuoVadis Trustlink B.V. C = NL	0F1D1740690044 943BAD6B5EB487 045759B0808D	9F8E6DB31E740285E0C2C2DEB09E442BDD4E74BDEEAE2962BC82D1ECB9F39855
CN = QuoVadis SMIME ECC P384 Root G4 O = QuoVadis Trustlink B.V. C = NL	2B2DDF3DBDF6F6 9CF09144F78312 E20088142B59	83FDDB2FD9DAE3B21EEBD33CF46251D746F0D6102B683150DD7B98AD8E4BB9F8
CN = QuoVadis SMIME RSA 4096 Root G4 O = QuoVadis Trustlink B.V. C = NL	00F366A0ACE5F4 28CFF0F61EC3B6 369AD268AE9E	5232A304AA4A10CFE6C47842EA3381CB31D619E24F58126D534CD50C5CE7845D
CN = QuoVadis TLS ECC P384 Root G4 O = QuoVadis Trustlink B.V. C = NL	691B041F159F6E 1C24D241C3E6E4 42FFC122899D	6E1FD3AE0D2D477C8F5EE5F335CC5B6356872654E5356A73D8C0A30A17C252A2
CN = QuoVadis TLS RSA 4096 Root G4 O = QuoVadis Trustlink B.V. C = NL	025FE5839FB3AA BDC3721EED699E 7649FF6634FE	C8A2D38A24F5AC302D8A08EBD38923D9A750B49220F092E82D1C53249E1533D0
CN = HydrantID EV SSL CA G2 O = HydrantID (Avalanche Cloud Corporation) C = US	3c1e96137ee420 57973ce498cb50 daae4c1e3c48	60388B773D33E9141648613F36B9149F015A114378BACF3E3694864FFDA426EC
CN = HydrantID SSL CA G3 O = HydrantID (Avalanche Cloud Corporation) C = US	723b6fe5c252754 d2189b09155521 a3187916db8	AA57F482CBC516B4D10CA4097DD90D99F5AA727D207090D07DA9C36998ABB9AD



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis Grid ICA G2 O = QuoVadis Limited C = BM	2bafc5f0a8d2134 09da42e761f619a c91984bcd4	278ECF211E2518E9DD9913AFC583EEB3127C8184BCBEEDAAD7BD64E89E8C4310
CN = itsme Sign Issuing CA G2x O = DigiCert Europe Belgium B.V. C = BE	4939956646c656 b23b47d6e0b93cc 1fcfd21e32e	B965A4354E7E1FFEDD1F947F13B065819B3A53C6889DC643E1D0D4C514AB68AE
CN = QuoVadis Qualified Web ICA G2 O = QuoVadis Trustlink B.V. C = NL	53bd8dc20d4a46b d962f5d685ada0f 0659207ffd	7FEB9374EAB08D392717C647436DAE06176A24C010607FDA1CCE5E5F0106B472
CN = QuoVadis Global SSL ICA G2 O = QuoVadis Limited C = BM	1a6ee893c37497 38e12acc77a8c0 acb167eaf14	F67C23EF7BF7412809DB6B1DD3D44A08D3754D99CABA6A13F7A05C7249089C89
CN = VR IDENT EV SSL CA 2020 O = Fiducia & GAD IT AG C = DE	754151cc11ec89b 64649b230ad809 020bb1e66a5	D33A847F640377BE0AE1A429153A07E87C8827FA4840B5158BCDCB85E10A453A
CN = QuoVadis Swiss Regulated CA G3 O = QuoVadis TrustLink Schweiz AG C = CH	60c1ee68db921da 2608daea13785b 3d248f2ac9f	726FB1F3D9FBFE0B4043004A27A43CF65CB214363B093034FC4185C86C9D8B0D
CN = QuoVadis Europe Advanced CA G2 O = QuoVadis Trustlink Deutschland GmbH C = DE	0abe1294959812 29df221937401e 92140ada9bdd	EBCD0C73FE44B60E25789419C07B0B234B3F586E092316FB2CBDA39C223224A3
CN = QuoVadis RCA1G3 TLS CA O = QuoVadis Limited C = BM	72348f4fb5967e8 409e6b0cccd6fa2 99b1ccd491	18BB70EFDA3F91438115C9EB4F333EB4EC68354571E6949195A0A91C9E6FBCD8
CN = DigiCert QV EV TLS ICA G1 O = DigiCert, Inc. C = US	65e9bcd53e791df 22dffeb5ecc2bc7a 5588d0883	6A7B2AA3414039A663D5D8BBAB8256A3979A84C332BF5E1EE8F6D0E0ADA84668
CN = QuoVadis Issuing CA G5 O = QuoVadis Limited C = BM	61be8292e7e8cb 3adf98e2ca7af34 154298dd068	08204C52ADDAA97A6FDEF702F6CEB4B94E578F8FC1C301C9D5136AB381CFA7D9



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis RCA3G3 TLS CA O = QuoVadis Limited C = BM	18dae051a89771 5eb0899ddcfb33b 1cf0810eec0	ECC0D17AC3263AC6A164DCDB08F82D07E93FCEA723F66B88B06EEBA9678DF2BB
CN = QuoVadis Enterprise Trust CA 1 G4 O = QuoVadis Trustlink B.V. C = NL	6404c54fd9495cd 38a5e72df0a705b ddd9b5a2a3	597623E05FD1B591711194EB190590F903A2B73F74CD5E8F787EC528033DAB7F
CN = QuoVadis Europe SSL CA G2 O = QuoVadis Trustlink B.V. C = NL	71aaaa62848411 4c591fd74b9fe9ff de5b29fa7e	B1AAE1BCD555E8A3D1E3DDA8EC84E757C552655344CE3FEEBBAF98E895DBEDAC
CN = QuoVadis RCA3G1 TLS CA O = QuoVadis Limited C = BM	2b07c16415396d 53cd05f7a542cca 4867e05c68d	3A66E648212E6321F94D9EABCC92C052E679D992C99AD4596A4E7B85ADCEE5DE
CN = QuoVadis Qualified Web ICA G3 O = QuoVadis Trustlink B.V. C = NL	2ca8cdc5b8ed750 780c72e3392c99 41c0ffb8826	3F225BDBCD788CE924870CAF92F814B7C6FF4EDABABAD93F1D3A9177252CF1D1
CN = BT Class 2 DigiCert PKI Platform CA O = British Telecommunications plc C = GB	72c98741764723 1d21a5a1e13234 c80f33fc35a5	843782303040BFB33576766E1700696DE0FC14887BE293D7265EB59ECE4ED9CC
CN = QuoVadis Time-Stamping Authority CA G1 O = QuoVadis Trustlink B.V. 2.5.4.97 = NTRNL-30237459 C = NL	4335c24f721531 1c1098838d7a0d 5584cdbf517f	D2BA0BFEC43FA7803860CDE6B3377421B1F563EC124B51D908415B0E937323E6
CN = HydrantID Client ICA G2 O = HydrantID (Avalanche Cloud Corporation) C = US	330e34fc4ec99bc 46d28edf7eea2f2 e1787b5800	5286AE1C558A81537CD9870F749D96EFABC2D2BA393DF818DFE95EA7CE6450A7
CN = DigiCert QV TLS ICA G1 O = DigiCert, Inc. C = US	71520e460e54aef 322e39fac16c0e9 7a51bd9572	93E33AF7DA3030530D090C9C55762CADE7EAE943F834349D1057A90EB67F306B



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis Enterprise Trust CA 3 G3 O = QuoVadis Limited C = BM	0c2163a44924ffb7fcd675acdcae7208cca95a	DA5462526A0C2E9852A86186B025390158759CDCA6AE21F09F713CA6ACDD1F1
CN = QuoVadis Enterprise Trust CA 1 G3 O = QuoVadis Limited C = BM	0ad86fa335b93ef48c8e3bf77d4c63143643adb9	0531C86F785958939FDC539924D395D1EFA409364E6827D3AB9876311FFB27B0
CN = QuoVadis Belgium Issuing CA G4 2.5.4.97 = NTRBE-0537698318 O = DigiCert Europe Belgium B.V. C = BE	5bf39ec6453360e0297f4cc5d7d88828aca914c2	3516BDAB7F57115A7AEB2EBF9C521EF00F04AD891501979BE1EFBF4493409669
CN = QuoVadis Europe EV SSL CA G1 O = QuoVadis Trustlink B.V. C = NL	3a020322b6816c18b72acbb592bef74dd786a8b8	CB6666B32BFF2EFEDCC4187DF149A6D34A5D10B7165B9CFF2A67C0E311AEEED7
CN = VR IDENT SSL CA 2020 O = Fiducia & GAD IT AG C = DE	035fe137cd0551e4c1f1b00beba5ae53f952734	347D18DCCC2EFC51A920E7A7FBB07BFBDA35613681F82DCA5C4C72BB0C83C035
CN = QuoVadis Enterprise Trust CA 2 G4 O = QuoVadis Trustlink B.V. C = NL	41d2651bf57daee5c594226cf55639c4c3285c24c	1E356823FE40C0EAAC29F9ED5463B7B2DB1C088B63EBB05876A2E631C1087798
CN = itsme Sign Issuing CA G2 O = DigiCert Europe Belgium B.V. C = BE	4da802bbf234c3470746ac4e47fcde9aeb7cc3bf	0B7AF5EB38D90B83C893410EC6714601A4EF6EC5C32B9D1D9AD54FBD38E18AEA
CN = QuoVadis Enterprise Trust CA 3 G4 O = QuoVadis Trustlink B.V. C = NL	469b2e710c35141f2615c726aee92ee4b42b3420	31EFF7DF4DDEB71CBDFB08B5C7FC9604A93600251E8917D6960C32BF4C0B5A77
CN = QuoVadis Code Signing CA G1 O = QuoVadis Limited C = BM	1ce6507ec1d9c0b16178feee058cae7a0b142858	DA0AFAF15CD300E34B520FB78A4FA68EB42C4601E939B903E0B1D71DF5965BFF



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis Swiss Regulated CA G2x 2.5.4.97 = NTRCH-CHE-112.210.349 O = QuoVadis Trustlink Schweiz AG C = CH	51fd54ae8897ca2e71bdf28655a6d515afff15c3	941B8AEE4BCF1EFEB0475FB279FDDDCF37FC5B20F64E842CD9DA0770B157E84D
CN = QuoVadis Enterprise Trust CA 2 G3 O = QuoVadis Limited C = BM	31a84f278bbe4a696e4cb2f415a2e4473bdcca38	B6F6559BBCE0A2CC91E507B5D7319E32487EDAE28A063BC73B6405E6C44665B6
CN = QuoVadis EU Issuing Certification Authority G4 O = QuoVadis Trustlink B.V. 2.5.4.97 = NTRNL-30237459 C = NL	127f8b32062628c0ca3f8d44bef9f2fa5db1440c	1D24222B5EEC71FE99BE9D700FA5FF72312DB3EB0FCB4A4F3BCC135DA36C1355
CN = BEKB - BCBE Issuing CA G2 OU = Issuing Certification Authority O = Berner Kantonalbank AG C = CH	289fbf1348498bc26512ff3abf8af52f2a0b7502	B399EFE42C01A05BDC38978447A78E950467793FB11C1B6B426C419A0FC73911
CN = QuoVadis EU Issuing Certification Authority G6 2.5.4.97 = NTRNL-30237459 O = QuoVadis Trustlink B.V. C = NL	32992e194ce22eae94e96c8bb475379a11e2c4cf	19B74B7E41CA73465832838A14EB432C4826F1B15DEF42B90AAE9F8FAB8B79B3
CN = QuoVadis Swiss Advanced CA G4 O = QuoVadis Trustlink Schweiz AG C = CH	7bdcbb6fcd4d0219c87d4879f4f4d715b6b834ae	085A74D4683D0FCCDE44677CFA579B732C9CE2DA6921AD3FE70F814EE7C0BF52
CN = HIN Health Info Net CA G2 O = Health Info Net AG 2.5.4.97 = NTRCH-CHE-103.489.218 C = CH	35bb9264f660c9bd09f8c0b34617dc2b1341e05c	3645E0F05E195BE8ECD456E518C8C23C1BB259CD6CF4691F29C744AEF0C11FDD



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = QuoVadis Belgium Issuing CA G2 O = QuoVadis Trustlink BVBA 2.5.4.97 = NTRBE-0537698318 C = BE	1cdfd90b4f72719 860e301c76c368 c61d91f1278	AA0E83B4AE0036679703D1603BC7E63A080464A033AE4B9F465838ADC85C61ED
CN = HydrantID SSL ICA G2 O = HydrantID (Avalanche Cloud Corporation) C = US	7517167783d043 7eb556c357946e 4563b8ebd3ac	9C6D08933201407FBF2B12540B67CC0E4C9666F132E1504762A717CBAE8F3FD6
CN = HydrantID SSL ICA G2 O = QuoVadis Limited C = BM	04E6881CFF6CD6 5D5D554D183920 9CCEFA7C78D	01453F645CD91E233B7484827F23F8A573FD641029EA8A6BFE549EF4ED8B323D
CN = QuoVadis Global SSL ICA G3 O = QuoVadis Limited C = BM	653247814F5FA6 6BB854DAF053F3 29265D726538	161EE5386329B28A27FF405736552A621D5A844A43811E3623E52EEFA0BA840A
CN = QuoVadis Time-Stamping Authority CA G2 O = QuoVadis Limited C = CH	692EDA51C0FE8C 3530B3D4675BBC E907D89A6C44	B9583D4E090E8A6B1B5FD3FD079ABAD2B1EC326E183A4B763473E2ACE04E43CD
CN=QuoVadis Global SSL ICA G2 O=QuoVadis Limited C=BM	510E47EC6C66D3 3CFFDEC552FD88 40978C9C273E	E5CD0DD44E1120C79415C84F5369D79AE04F047E80DC0856351AABC232056CA5
CN = DigiCert QuoVadis G4 TLS ECC P384 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	28FFC96C6E6F85 56A5801177DE3 A6726159E3428	0CAB7DBD736B1BFBE8E63ABE2DD55D64A0805140386DA05FC6E28D4FCF81B9B6
CN = BEKB - BCBE Issuing CA G2 OU = Issuing Certification Authority O = Berner Kantonalbank AG C = CH	11B9E2627F1D67 282E292AB140AC A0F711C767A0	474D298059F15BC5319B4A94D38AAFADBF627CC09513FCD9362CD89C2F9B6221



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = DigiCert QuoVadis G3 TS Europe RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRNL-30237459 O = QuoVadis Trustlink B.V. C = NL	221735A76ADAB 50A2AB85196D0 C70F00BECCDCD	8CD1E1AFA9F976519AA252A0C4568B22092A5773D7E2B4631D19DE2B39ABFA3B
CN = DigiCert QuoVadis G3 TS Europe ECC P256 SHA256 2023 CA1 2.5.4.97 = NTRNL-30237459 O = QuoVadis Trustlink B.V. C = NL	755E83592A660E CB4E660F1C7BC1 F111DDBAA032	CE49790DCEB21562949C5270BB02C0F34C7B3861D85F98D1069E20453C426BC5
CN = DigiCert QuoVadis G3 Qualified TLS RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRNL-30237459 O = QuoVadis Trustlink B.V. C = NL	43B3D54808E820 8F6E58CB1143F3 F802E372E83F	FE3CBED838D30BAB900184C1F21A4B27D3211CB5C9257D7E985C2AE43AC6A89F
CN = DigiCert QuoVadis G3 Qualified Europe RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRNL-30237459 O = QuoVadis Trustlink B.V. C = NL	620BEF00C84924 15C5661FF1488C 2E4186E6581E	B36425F1491B2EE08EC87B69C23EA6A76EBF769C4C34FE3798A4CB9A1990E070
CN = DigiCert QuoVadis G3 Qualified CH Reg SP RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRCH-CHE-112.210.349 O = QuoVadis Trustlink Schweiz AG C = CH	37CAC4FD051FA8 A25198A5A12BA F0510A0F39B12	8C44440AA473191A540EC01B17413DE6A904D64D79BB8B30E6D1FC1ADA798F51



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = DigiCert QuoVadis G3 Qualified CH Reg RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRCH-CHE- 112.210.349 O = QuoVadis Trustlink Schweiz AG C = CH	32F8E61674083A 0A21029F5A09BE CA7CC1662902	A9462BF3D725EDF669FF392113E5270E3DE79DB820D792581F07AB4B0ED75064
CN = DigiCert QuoVadis G3 Qualified BE RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRBE-0537698318 O = DigiCert Europe Belgium B.V. C = BE	6E6C7DE2287BDD 1BB267CE7841B3 F4B0C18DABE6	2CB07880B4E584F366E083791511BB48812FF5164C5BA3BBB3C1688AA456B13C
CN = DigiCert QuoVadis G3 Qualified BE itsme RSA4096 SHA256 2023 CA1 2.5.4.97 = NTRBE-0537698318 O = DigiCert Europe Belgium B.V. C = BE	53165619669D29 278A103B12106B 5F4008FA1E72	C0EE0CCED463096DF07D27257AF79C986FF92B678F669C109FFF570F32AB433F
CN = DigiCert QuoVadis G3 Qualified BE itsme RIV RSA4096 256 2023 CA1 2.5.4.97 = NTRBE-0537698318 O = DigiCert Europe Belgium B.V. C = BE	0A203980970717 BA4ECFCE9F4AB5 18700062DD2E	A610AD2025ED0AA84259EBB9289E828267D35082430CBFB5562F3066DEBC2E88
CN = DigiCert QuoVadis G3 SMIME RSA4096 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	575B29998934E1 47419B85E3A475 FA9F41196812	3C980210C4F0803388C4D9FA9699E19F88FA3B96B3CF68D675808876747A678A



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = BEKB BCBE G3 SMIME CH RSA4096 SHA256 2023 CA1 OU = Issuing Certification Authority O = Berner Kantonalbank AG C = CH	68FCC360B40B23 28A8AA09D9961 19BD1463FA05D	174ED245170A592A7985436B9F590A3E96C134807C4AFDA872BC7E09A49855ED
CN = DigiCert QuoVadis G4 TLS RSA4096 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	5AE901EF548634 E2E0BB77578818 D805EE65A237	3E8FC16AADA8FCB6F51CA4848BB15F8ABE8DD807F9CEAA4C6CCBE9864F6CE9DE
CN = DigiCert QuoVadis G4 SMIME RSA4096 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	049F133DC69A07 5A59B48323C441 4174C199FE80	E234809774CD0125626EA578E36F35740959B61B7790582DFE7828730F818546
CN = DigiCert QuoVadis G4 SMIME ECC P384 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	2FFAE0F0B8AA7B E5BE9CF384FAB2 3C0C335D6807	D80AB934DED2B399A781F270005393D5162A2707B2A007C39A27C740F1E5CE26
CN = DigiCert QuoVadis G4 SMIME RSA4096 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	5CBC9B7EE084ED A26593D0DECFFB 1943DBE282B2	369AE7BD4D9E9E698A6F731D5AC19936AB3859431A502497357FE93ACF01982D
CN = DigiCert QuoVadis G4 SMIME ECC P384 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	3264B97A189F0D D0F01EAF7CB2DB BCD3BC9D4B06	E117CBC55073D91A61E7636FE46184AB8726466A338C2DF109E8A284DE551650



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Distinguished name	Certificate Serial Number	SHA256 fingerprint
CN = DigiCert QuoVadis G4 TLS ECC P384 SHA384 2023 CA1 O = DigiCert Ireland Limited C = IE	19f5eeae6109c54 f5f957cac8fb787c 7809335c2	35A5B2730439D225E04080412EC01031F22F3902B84670E7B44F699F9701F050
CN = QuoVadis Private TLS ECC P384 Root G4 O = QuoVadis Trustlink B.V. C = NL	1f1acc18f4b3f230 3af4053a88af89f 413c598df	B421FEE95C6D9F034E89CF51E92F4A54EB9ECC15757008179F9EF0A417B76317
CN = QuoVadis Private TLS RSA 4096 Root G4 O = QuoVadis Trustlink B.V. C = NL	1ca30d76a478fe3 d12e2024e11cf06 fa83b64775	A20FE0B76EED3D700661E24EE8619C08BF989716A50CE911C2CEA354A9CFBF8B