



日盛聯合會計師事務所  
SUN RISE CPAS' FIRM  
DFK INTERNATIONAL



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## INDEPENDENT ASSURANCE REPORT

To the management of Global Digital Cybersecurity Authority Co.,Ltd. ("GDCA"):

We have been engaged, in a reasonable assurance engagement, to report on GDCA management's assertion that for its Certification Authority (CA) operations at locations as enumerated in Appendix B, throughout the period 1 March 2024 to 28 February 2025 for its CAs as enumerated in Appendix A, GDCA has:

- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#).

### Certification authority's responsibilities

GDCA's management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#).

### 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 Management (ISQM) 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements* 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.

### Practitioner's responsibilities

Our responsibility is to express an opinion on management's assertion 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 assertion is fairly stated, and, accordingly, included:

- (1) obtaining an understanding of GDCA's network and certificate system security to meet the requirements set forth by the CA/Browser Forum;
- (2) testing and evaluating the operating effectiveness of the controls; and
- (3) 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.



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### **Relative effectiveness of controls**

The relative effectiveness and significance of specific controls at GDCA 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**

There are inherent limitations in the effectiveness of any system of internal control, including the possibility of human error and the circumvention of controls. For example, because of their nature, controls may not prevent, or detect unauthorized access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection to the future of any conclusions based on our findings is subject to the risk that controls may become ineffective.

### **Opinion**

In our opinion, throughout the period 1 March 2024 to 28 February 2025, GDCA management's assertion, as referred to above, is fairly stated, in all material respects, in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#).

This report does not include any representation as to the quality of GDCA's services beyond those covered by the [WebTrust Principles and Criteria for Certification Authorities – Network Security, v1.7](#), nor the suitability of any of GDCA's services for any customer's intended purpose.

### **Use of the WebTrust seal**

GDCA's use of the WebTrust Principles and Criteria for Certification Authorities – Network Security 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.



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20 May 2025

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## Appendix A

The list of keys and certificates covered in the management's assertion is as follow:

Key Name	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = GDCA TrustAUTH R5 ROOT O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Root Key	sha256RSA	4096 bits	E2C9409F 4DCEE89A A17CCF0E 3F65C529 886A1951	BFFF8FD0443 3487D6A8AA6 0C1A29767A9 FC2BBB05E42 0F713A13B99 2891D3893	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	686223D3 A9DFC522 D155654D 64762589 AAB6D074	882E0146D15 D3483EE5981 E35067F1449E 562B89E22EC C3FDF37274E DD314CDA	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	686223D3 A9DFC522 D155654D 64762589 AAB6D074	BEC06F55344C 3DE4F12CD5D 808906CDE27 5234951BE017 6A787E628E2 BE7D51F	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A 2D739636 727D5D1E B6E28123 69CF68E4	051C238FAD7 C1DC0FCEB4A EF79CAE97FE 49A82DA8916 A4A0920F307 AACD60F81	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A 2D739636 727D5D1E B6E28123 69CF68E4	2F2F00881771 0A1085B4E6B C5E333547444 4D983272E33 995A331BE1A 4C4FE0A	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA2 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	4096 bits	391C6551 4207E782 AB9877D7 F02DAB9B 475769D1	463562D1F842 67AA253EE1C B1FF6F1808C3 49CE38FF10E9 DBB0794EFA7 CAE401	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5B BE7C08C6 AD04BB48 6145B0F5 6257A0B3	5600AFB6BAE 2A83B66B9CB BE9CEEC8F53 E26420A69939 A48DCC6D56B 99790A63	GDCA TrustAUTH R5 ROOT



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CN = GDCA TrustAUTH R4 SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5B BE7C08C6 AD04BB48 6145B0F5 6257A0B3	1E96ABB2D65 02B5DCE518E C00B5A1E543 349EFD2E3F6 8BE9ABC1128 B256FEDD7	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	7313CE83 C60C2AA0 2692AE3F 7B4074B5 300B3595	74468180CE56 4BAD7E81221 0AF743E85CA 96CBA44CF58 51FA00082341 B2535F5	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5503AE8E 0735A817 63DBC9D6 1E3E639D DDC617D0	99442C8F83A3 C5090CA50C1 C0B1DE4B32E D418FF0AA7C 3240E9123015 9F3E7BF	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADE F52FBFA8 D36CC7C6 3FDB6C64 60DCE341	96A5A2CD398 00CFB6A2A83 0EE52DCF47F BB00FF1B032 04DB36915CE A31F13342	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADE F52FBFA8 D36CC7C6 3FDB6C64 60DCE341	55324A983251 2FC6C99F15BF 0E9ED3D6BEB 4398CCEE194 B7FF849D96D 9130D44	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE61 80C09990 596DD624 55F2FFC0E B2717EC	5DB60C2D6B6 BECF31447758 9A3A4FB4CCF 84649D69B0B 21B3D6B2ABA 78BD35FB	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE61 80C09990 596DD624 55F2FFC0E B2717EC	86C6707BBE2 7CDE1215E25 D3F8146A522 281E18C45DF 2CB8C6FB7A0 3C1733510	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	116492AE A041621C 2084B7D3 8881D1CD 8072C77F	3253412FDAD 4523108C098B BOEE0EFEDD7 FAFDD00FB30 E47C6BBA9FE 3E1CDB88	GDCA TrustAUTH R5 ROOT



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CN = GDCA TrustAUTH R4 Plus EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	4A5D70FA 0E1FFC31 1F6D5834 064DE635 D0475180	3B39A01EB6D D0C0E870359 F01AFB66665 E0D5C240802 91A0769D7F0 FB4BB0E4E	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 TimeStamp CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	E5F795D3 4860FFB7 02F178105 0FFD10DF B735803	4FBCDFC8184 C41523CEBA5 8A4F3BAFD36 ECADACC11EC A148AA24C77 4C8E4B47B	GDCA TrustAUTH R5 ROOT
CN = 数安时代 R5 根 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	827A42A2 BE5C08BB ADF14CA6 EB71B58B 1201F329	71A1A38FF48 5137002DD5C D780B3873DD E146723EE280 80ECF3738C7C 4FEB1AE	数安时代 R5 根 CA
CN = 数安时代 R4 EV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	28B9AF46 7654EA51 D4B2810E 540916D2 DEEFF386	FA920C853942 8B3CB4BF77B E2532BC6D0D DD97EB664EE 8BEA297DAAD 147EA76F	数安时代 R5 根 CA
CN = 数安时代 R4 OV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B630E58 2F1B860F 85B257B2 4A3131C4 A970A19B	203D73A5288 47AAA7B4EA1 6098B048215 B311BFB3E24 AB27DCD7B15 BDF83C1D6	数安时代 R5 根 CA
CN = 数安时代 R4 DV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0C2556EA FD7A04DD C2AE6239 09693113 8EBE91D8	E43F7A0BAF9 43180D7D40F ED2E54965BD 674DC2C82EF AB2A5108AA3 D6664A641	数安时代 R5 根 CA
CN = 数安时代 R4 IV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	FBF66620 D2AA7B2C 10CB52E2 59D40A15 3C11E3F7	13CD63B1F4A 3F41914BD7E A3362DBEE07 5A2291382068 61622297BF64 3598961	数安时代 R5 根 CA
CN = 数安时代 R4 代码签名证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B1C0C17 23AD9F26 C4928AFC 7F77FD16 27097831	1DDCBC25FC8 E9987B5F425 A2131550D38 329A663DB08 F15BDDDB71F 2BF87E200	数安时代 R5 根 CA



CN = 数安时代 R4 普通订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5543FAB3 89F57FD5 5AD4FEB1 258451E2 C86ABEF7	18CDC6E98BE 17513D4F12B 72FFB8FA7437 FD18A21352C 2695EB68BB9 1D0B1BAD	数安时代 R5 根 CA
CN = 数安时代 R4 基础订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49EE724E DA99640C E14480ED 731D35FC 8D4243C4	F051A99F5630 D835FAF6F6D 1A50DD92B36 A127DF3B12B 54317A07630F CDB0307	数安时代 R5 根 CA
CN = GDCA TrustAUTH E5 ROOT O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	C87CB0D4 20A5DB56 97F29730 C88A6189 9FA5F222	EA152FD132D E4F4E71930A 9760517A81D ACBBB5F1014 D8BD7782AC0 CC37E9431	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BCB2E535 26589289 93BC96AC 2344456B 4644C7BF	08646322AE51 E91C8D61D90 A2D11F4D3BA 6D386A41425 6B66AD57116 934A9EC3	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	55612DF0 62120F01 ECEFC127A 6E5AC45D 0299A22C	AA0E436C044 20376287C9AC 94A38B975B8 4DF16F0C630F F079E750DAD D03453A	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	428A21F3 DD52570A 928FC182 C4C615B5 AEC63EFB	1A404FB498F C8D525DEEAC 47299CABA3D 4A716D94AD5 5DFAFCF7B65 76AFA6466	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	5BB1FEC6 8A2F902E 21DDCEED DAAAFB25 70F2D067	BA4B5FB3FD5 4BE90EBBAC6 AEBF512D2FC 490B1D6397B C4E779F2ED3 D34D0D721	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	9F5C6CA8 E4A530A5 7DE31681 2EBFCB1C 16C0D760	E5AB9FA5362 A0F0137C8454 1B4F68290873 07329BE3C05F 8BC4A281115 9B7BFF	GDCA TrustAUTH E5 ROOT



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CN = GDCA TrustAUTH E4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	1D60F596 7C365592 21E343DB C8C862D3 BBC34684	007B5E812987 33CB0FF0EA8 D2FBAE9BC55 4A05EC39576 E0D0F2EABDA 3289E1E1	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BD90963A 7CC81C8E 2114AD92 1F8A3023 9A3880F8	760F03A6A7F 99BA47E42DF 456B0E3ED2D 8DF991811579 7396CE83E950 40AF547	GDCA TrustAUTH E5 ROOT
CN = GDCA TLS ROOT R52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	C1C376BF 8554B5BC 7485FCBA B3C583CE D9F5BF8B	77AE39E8D12 4F6BC747C74F A8DA2AE0893 58C4930566E D7369144672 D74C6471	GDCA TLS ROOT R52
CN = GDCA TLS OV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	20E9D874 315D922D 5593310D 8997A43B 3F17C041	6C12CD82419 0D6ADD67E25 8F74FC7DFAE 4A4A37151BB FE1B50D9FBC ED296E720	GDCA TLS ROOT R52
CN = GDCA TLS EV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	73BB9BD3 D57E6455 A03EBBF8 7F5320D8 EBF21D17	998C68E2C651 06EBBF9AD6F 39CC4478B9A 23D5D71EECA B51A643067E 49E0A285	GDCA TLS ROOT R52
CN = GDCA TLS DV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384RSA	3072 bits	29312D4F 17B4E721 ACAB9DA7 1AFE439E A80B3080	AC54B851E73 83961B1D649 35BA59DA920 B3DB7EE5734 B22250184FA 95C08C15A	GDCA TLS ROOT R52
CN = GDCA TLS ROOT E52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	069953CD EE29468A 9548584F4 3635AEE0 AF13904	D50FDF57D3C EC20EE91256 A4A6DA768C3 6A510DFE577 1F23EF4B1833 290BF012	GDCA TLS ROOT E52



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CN = GDCA TLS OV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	175CF6CE 6D73FA04 4C3F7E74 EB71838C 0033BB84	9194B7C0D00 571592962AE4 F6F130283736 2FE09B03898E BFCCDB845E6 F861E8	GDCA TLS ROOT E52
CN = GDCA TLS EV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	9ED918C1 C15E3D68 EDED2F57 046E3DE2 BBD1959A	BD488893767 ABBF139ED36 76840EA5CD4 544171DDBEF 3C67B6AD4E9 A3BA45AA7	GDCA TLS ROOT E52
CN = GDCA TLS DV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	384 bits	A353DDE7 18C8E3BB A047EBD5 7395ABC0 79F2D4DA	0E1140417128 9F7214FD9F81 7E01D717023 94BBB57EF67 8F9AC6881022 816235	GDCA TLS ROOT E52



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## Appendix B

Locations in-scope:

Location	Function
Guangzhou City, Guangdong, China	Administration and Support
Foshan City (West), Guangdong, China	Datacenter Facility
Foshan City (East), Guangdong, China	Datacenter Facility



## GDCA MANAGEMENT'S ASSERTION

Global Digital Cybersecurity Authority Co.,Ltd. ("GDCA") operates the Certification Authority (CA) services known as CAs in Appendix A and provides CA services.

The management of GDCA is responsible for establishing and maintaining effective controls over its CA operations, including its network and certificate security system 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 GDCA's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

GDCA management has assessed its controls over its CA services. Based on that assessment, in providing its Certification Authority services at locations as enumerated in Appendix B, throughout the period 1 March 2024 to 28 February 2025, GDCA has:

- maintained effective controls to provide reasonable assurance that it meets the [Network and Certificate System Security Requirements](#) as set forth by the CA/Browser Forum

in accordance with the [WebTrust Principles and Criteria for Certification Authorities – Network Security v1.7](#)

Mr. Xiao Qiang

General Manager of Global Digital Cybersecurity Authority Co.,Ltd.

Ke Jiao Road, Nanhai Software Technology Park, Shishan Town, Nanhai District, Foshan City, Guangdong Province.

20 May 2025





## Appendix A

The list of keys and certificates covered in the management's assertion is as follow:

Key Name	Key Type	Signature Algorithm	Key Size	Subject Key Identifier	SHA256 Certificate Thumbprints	Certificate Signed by
CN = GDCA TrustAUTH R5 ROOT O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Root Key	sha256RSA	4096 bits	E2C9409F 4DCEE89A A17CCF0E 3F65C529 886A1951	BFF8FD0443 3487D6A8AA6 0C1A29767A9 FC2BBB05E42 0F713A13B99 2891D3893	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	686223D3 A9DFC522 D155654D 64762589 AAB6D074	882E0146D15 D3483EE5981 E35067F1449 E562B89E22E CC3FDF37274 EDD314CDA	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	686223D3 A9DFC522 D155654D 64762589 AAB6D074	BEC06F55344 C3DE4F12CD5 D808906CDE2 75234951BE0 176A787E628 E2BE7D51F	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A 2D739636 727D5D1E B6E28123 69CF68E4	051C238FAD7 C1DC0FCEB4A EF79CAE97FE 49A82DA8916 A4A0920F307 AACD60F81	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	49FD9E1A 2D739636 727D5D1E B6E28123 69CF68E4	2F2F0088177 10A1085B4E6 BC5E3335474 444D983272E 33995A331BE 1A4C4FE0A	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 CodeSigning CA2 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	4096 bits	391C6551 4207E782 AB9877D7 F02DAB9B 475769D1	463562D1F84 267AA253EE1 CB1FF6F1808 C349CE38FF1 0E9DBB0794E FA7CAE401	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5B BE7C08C6 AD04BB48 6145B0F5 6257A0B3	5600AFB6BAE 2A83B66B9CB BE9CEEC8F53 E26420A6993 9A48DCC6D56 B99790A63	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	C0F67A5B BE7C08C6 AD04BB48 6145B0F5 6257A0B3	1E96ABB2D65 02B5DCE518E C00B5A1E543 349EFD2E3F6 8BE9ABC1128 B256FEDD7	GDCA TrustAUTH R5 ROOT



CN = GDCA TrustAUTH R4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	7313CE83 C60C2AA0 2692AE3F 7B4074B5 300B3595	74468180CE5 64BAD7E8122 10AF743E85C A96CBA44CF5 851FA000823 41B2535F5	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5503AE8E 0735A817 63DBC9D6 1E3E639D DDC617D0	99442C8F83A 3C5090CA50C 1C0B1DE4B32 ED418FF0AA7 C3240E91230 159F3E7BF	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADE F52FBFA8 D36CC7C6 3FDB6C64 60DCE341	96A5A2CD398 00CFB6A2A83 0EE52DCF47F BB00FF1B032 04DB36915CE A31F13342	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Extended Validation SSL CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	1E6AEADE F52FBFA8 D36CC7C6 3FDB6C64 60DCE341	55324A98325 12FC6C99F15 BF0E9ED3D6B EB4398CCEE1 94B7FF849D9 6D9130D44	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE61 80C09990 596DD624 55F2FFC0 EB2717EC	5DB60C2D6B6 BECF3144775 89A3A4FB4CC F84649D69B0 B21B3D6B2AB A78BD35FB	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Generic CA O = GUANG DONG CERTIFICATE AUTHORITY CO.,LTD. C = CN	Signing Key	sha256RSA	2048 bits	D3FEEE61 80C09990 596DD624 55F2FFC0 EB2717EC	86C6707BBE2 7CDE1215E25 D3F8146A522 281E18C45DF 2CB8C6FB7A0 3C1733510	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	116492AE A041621C 2084B7D3 8881D1CD 8072C77F	3253412FDAD 4523108C098 BB0EE0EFEDD 7FAFDD00FB3 0E47C6BBA9F E3E1CDB88	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 Plus EV CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	4A5D70FA 0E1FFC31 1F6D5834 064DE635 D0475180	3B39A01EB6D D0C0E870359 F01AFB66665 E0D5C240802 91A0769D7F0 FB4BB0E4E	GDCA TrustAUTH R5 ROOT
CN = GDCA TrustAUTH R4 TimeStamp CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	E5F795D3 4860FFB7 02F17810 50FFD10D FB735803	4FBCDFC8184 C41523CEBA5 8A4F3BAFD36 ECADACC11EC A148AA24C77 4C8E4B47B	GDCA TrustAUTH R5 ROOT



CN = 数安时代 R5 根 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	827A42A2 BE5C08BB ADF14CA6 EB71B58B 1201F329	71A1A38FF48 5137002DD5C D780B3873DD E146723EE28 080ECF3738C 7C4FEB1AE	数安时代R5 根 CA
CN = 数安时代 R4 EV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	28B9AF46 7654EA51 D4B2810E 540916D2 DEEFF386	FA920C85394 28B3CB4BF77 BE2532BC6D0 DDD97EB664E E8BEA297DAA D147EA76F	数安时代R5 根 CA
CN = 数安时代 R4 OV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B630E58 2F1B860F 85B257B2 4A3131C4 A970A19B	203D73A5288 47AAA7B4EA1 6098B048215 B311BFB3E24 AB27DCD7B15 BDF83C1D6	数安时代R5 根 CA
CN = 数安时代 R4 DV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0C2556EA FD7A04DD C2AE6239 09693113 8EBE91D8	E43F7A0BAF9 43180D7D40F ED2E54965BD 674DC2C82EF AB2A5108AA3 D6664A641	数安时代R5 根 CA
CN = 数安时代 R4 IV 服务器证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	FBF66620 D2AA7B2C 10CB52E2 59D40A15 3C11E3F7	13CD63B1F4A 3F41914BD7E A3362DBE07 5A229138206 861622297BF 643598961	数安时代R5 根 CA
CN = 数安时代 R4 代码签名证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	0B1C0C17 23AD9F26 C4928AFC 7F77FD16 27097831	1DDCBC25FC8 E9987B5F425 A2131550D38 329A663DB08 F15BDDDB71F 2BF87E200	数安时代R5 根 CA
CN = 数安时代 R4 普通订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	5543FAB3 89F57FD5 5AD4FEB1 258451E2 C86ABEF7	18CDC6E98BE 17513D4F12B 72FFB8FA743 7FD18A21352 C2695EB68BB 91D0B1BAD	数安时代R5 根 CA
CN = 数安时代 R4 基础订户证书 CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha256RSA	2048 bits	49EE724E DA99640C E14480ED 731D35FC 8D4243C4	F051A99F563 0D835FAF6F6 D1A50DD92B3 6A127DF3B12 B54317A0763 0FCDB0307	数安时代R5 根CA
CN = GDCA TrustAUTH E5 ROOT O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha384ECDSA	384 bits	C87CB0D4 20A5DB56 97F29730 C88A6189 9FA5F222	EA152FD132D E4F4E71930A 9760517A81D ACBBB5F1014 D8BD7782AC0 CC37E9431	GDCA TrustAUTH E5 ROOT



CN = GDCA TrustAUTH E4 EV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BCB2E535 26589289 93BC96AC 2344456B 4644C7BF	08646322AE5 1E91C8D61D9 0A2D11F4D3B A6D386A4142 56B66AD5711 6934A9EC3	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 OV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	55612DF0 62120F01 ECEf127A 6E5AC45D 0299A22C	AA0E436C044 20376287C9A C94A38B975B 84DF16F0C63 0FF079E750D ADD03453A	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 DV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	428A21F3 DD52570A 928FC182 C4C615B5 AEC63EFB	1A404FB498F C8D525DEEAC 47299CABA3D 4A716D94AD5 5DFAFCF7B65 76AFA6466	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 IV SSL CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	5BB1FEC6 8A2F902E 21DDCEED DAAAFB25 70F2D067	BA4B5FB3FD5 4BE90EBBAC6 AEBF512D2FC 490B1D6397B C4E779F2ED3 D34D0D721	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 CodeSigning CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	9F5C6CA8 E4A530A5 7DE31681 2EBFCB1C 16C0D760	E5AB9FA5362 A0F0137C845 41B4F682908 7307329BE3C 05F8BC4A281 1159B7BFF	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Generic CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	1D60F596 7C365592 21E343DB C8C862D3 BBC34684	007B5E81298 733CB0FF0EA 8D2FBAE9BC5 54A05EC3957 6E0D0F2EABD A3289E1E1	GDCA TrustAUTH E5 ROOT
CN = GDCA TrustAUTH E4 Primer CA O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Signing Key	sha384ECDSA	256 bits	BD90963A 7CC81C8E 2114AD92 1F8A3023 9A3880F8	760F03A6A7F 99BA47E42DF 456B0E3ED2D 8DF99181157 97396CE83E9 5040AF547	GDCA TrustAUTH E5 ROOT
CN = GDCA TLS ROOT R52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN	Root Key	sha256RSA	4096 bits	C1C376BF 8554B5BC 7485FCBA B3C583CE D9F5BF8B	77AE39E8D12 4F6BC747C74 FA8DA2AE089 358C4930566 ED736914467 2D74C6471	GDCA TLS ROOT R52



<p>CN = GDCA TLS OV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Signing Key	sha384RSA	3072 bits	<p>20E9D874 315D922D 5593310D 8997A43B 3F17C041</p>	<p>6C12CD82419 0D6ADD67E25 8F74FC7DFAE 4A4A37151BB FE1B50D9FBC ED296E720</p>	GDCA TLS ROOT R52
<p>CN = GDCA TLS EV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Signing Key	sha384RSA	3072 bits	<p>73BB9BD3 D57E6455 A03EBBF8 7F5320D8 EBF21D17</p>	<p>998C68E2C65 106EBBF9AD6 F39CC4478B9 A23D5D71EEC AB51A643067 E49E0A285</p>	GDCA TLS ROOT R52
<p>CN = GDCA TLS DV CA R42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Signing Key	sha384RSA	3072 bits	<p>29312D4F 17B4E721 ACAB9DA7 1AFE439E A80B3080</p>	<p>AC54B851E73 83961B1D649 35BA59DA920 B3DB7EE5734 B22250184FA 95C08C15A</p>	GDCA TLS ROOT R52
<p>CN = GDCA TLS ROOT E52 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Root Key	sha384ECDSA	384 bits	<p>069953CD EE29468A 9548584F 43635AEE 0AF13904</p>	<p>D50FDF57D3C EC20EE91256 A4A6DA768C3 6A510DFE577 1F23EF4B183 3290BF012</p>	GDCA TLS ROOT E52
<p>CN = GDCA TLS OV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Signing Key	sha384ECDSA	384 bits	<p>175CF6CE 6D73FA04 4C3F7E74 EB71838C 0033BB84</p>	<p>9194B7C0D00 571592962AE 4F6F1302837 362FE09B038 98EBFCCDB84 5E6F861E8</p>	GDCA TLS ROOT E52
<p>CN = GDCA TLS EV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Signing Key	sha384ECDSA	384 bits	<p>9ED918C1 C15E3D68 EDED2F57 046E3DE2 BBD1959A</p>	<p>BD488893767 ABBF139ED36 76840EA5CD4 544171DDBEF 3C67B6AD4E9 A3BA45AA7</p>	GDCA TLS ROOT E52
<p>CN = GDCA TLS DV CA E42 O = Global Digital Cybersecurity Authority Co., Ltd. C = CN</p>	Signing Key	sha384ECDSA	384 bits	<p>A353DDE7 18C8E3BB A047EBD5 7395ABC0 79F2D4DA</p>	<p>0E114041712 89F7214FD9F 817E01D7170 2394BBB57EF 678F9AC6881 022816235</p>	GDCA TLS ROOT E52



## Appendix B

Locations in-scope:

Location	Function
Guangzhou City, Guangdong, China	Administration and Support
Foshan City (West), Guangdong, China	Datacenter Facility
Foshan City (East), Guangdong, China	Datacenter Facility