



## REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of Sectigo Limited (“Sectigo”):

### Scope

We have examined Sectigo management’s [assertion](#) that for its Certification Authority (“CA”) operations in the locations enumerated in [Attachment B](#), for its CAs as enumerated in [Attachment C](#), Sectigo has:

- disclosed its extended validation SSL (“EV SSL”) certificate lifecycle management business practices in the applicable versions of its Sectigo Certification Practice Statement (“CPS”) and Sectigo WebPKI Certificate Policy (“CP”) as enumerated in [Attachment A](#), including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on its [repository](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
  - EV SSL subscriber information is properly authenticated

throughout the period of April 1, 2023 to March 31, 2024, based on the [WebTrust Principles and Criteria for Certification Authorities - Extended Validation SSL, v1.8](#).

### Certification Authority’s Responsibilities

Sectigo’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 Principles and Criteria for Certification Authorities - Extended Validation SSL, v1.8](#).

### Independent Accountant’s responsibilities

Our responsibility is to express an opinion on 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. Those standards require that we plan and perform the 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 risks of material misstatement of management’s assertion, 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.



We are required to be independent and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to the engagement.

The relative effectiveness and significance of specific controls at Sectigo 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.

### 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 unauthorised 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.

### Independent Accountant’s Opinion

In our opinion management’s assertion, as referred to above, is fairly stated, in all material respects.

This report does not include any representation as to the quality of Sectigo’s services other than its CA operations in the locations as enumerated in [Attachment B](#), nor the suitability of any of Sectigo’s services for any customer’s intended purpose.

### Other Matter

Without modifying our opinion, we noted the following other matters during our procedures:

Matter Topic		Matter Description
1	Certificate Content	Sectigo disclosed in Bugzilla <a href="#">#1891245</a> that it issued 166 EV SSL certificates with incorrect Subject Serial Number values.
2	Subscriber Validation	Sectigo disclosed in Mozilla Bug <a href="#">#1829746</a> that it issued 213 DV and OV SSL certificates and 22 EV SSL certificates with DCV older than 398 days.
3	Subscriber Registration	Sectigo disclosed in Mozilla Bug <a href="#">#1878139</a> that 2577 certificates were issued based on email based domain control validation methods that used a Random Value more than 30 days after its creation.



Matter Topic		Matter Description
4	Certificate Validation	Sectigo disclosed in Mozilla Bug <a href="#">#1891039</a> that it disabled CRL generation to a Root CA with an expired self-signed certificate, which also had 2 unexpired certificates cross-signed by another Root CA.

While the Sectigo assertion notes all issues disclosed on Bugzilla from April 1, 2023 through the date of this report, we have only noted those instances relevant to the CAs enumerated in [Attachment C](#) and applicable to the [WebTrust Principles and Criteria for Certification Authorities - Extended Validation SSL, v1.8](#).

#### Use of the WebTrust seal

Sectigo's use of the WebTrust for Certification Authorities - Extended Validation SSL 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.

BDO USA

June 24, 2024



**ATTACHMENT A - CERTIFICATION PRACTICE STATEMENT AND CERTIFICATE POLICY VERSIONS IN-SCOPE**

**Certificate Policy**

<b>Policy Name</b>	<b>Version</b>	<b>Effective Date</b>
<a href="#">Sectigo WebPKI Certificate Policy</a>	1.3.4	February 7, 2024
Sectigo WebPKI Certificate Policy	1.3.3	March 23, 2023

**Certification Practice Statement**

<b>Policy Name</b>	<b>Version</b>	<b>Effective Date</b>
<a href="#">Sectigo Certification Practice Statement</a>	5.4.1	February 7, 2024
Sectigo Certification Practice Statement	5.4.0	August 31, 2023
Sectigo Certification Practice Statement	5.3.7	May 17, 2023
Sectigo Certification Practice Statement	5.3.6	March 23, 2023



## ATTACHMENT B - LOCATIONS IN-SCOPE

Location	Function
Secaucus, NJ, United States of America	Datacenter Facility
Manchester, United Kingdom	Datacenter Facility
Amsterdam (West), The Netherlands	Datacenter Facility
Amsterdam (South), The Netherlands	Datacenter Facility
Bradford, United Kingdom	Back-end Office Support
Chennai, India	Back-end Office Support
Iași, Romania	Back-end Office Support
Kanata, ON, Canada	Back-end Office Support
Roseland, NJ, United States of America <sup>1</sup>	Back-end Office Support
Lille, France	Back-end Office Support
Alkmaar, The Netherlands	Back-end Office Support
Scottsdale, AZ, United States of America <sup>2</sup>	Back-end Office Support

<sup>1</sup> As of December 31<sup>st</sup>, 2023, use of this office was discontinued for the remainder of the period.

<sup>2</sup> As of December 1<sup>st</sup>, 2023, this office is in scope.



## ATTACHMENT C - IN-SCOPE CAs FOR EXTENDED VALIDATION SSL GUIDELINES

Root CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=AAA Certificate Services O=Comodo CA Limited L=Salford ST=Greater Manchester C=GB	D7A7A0FB5D7E2731D771E9484EBCDEF71D5F0C3E0A2948782BC83EE0EA699EF4	1/1/2004	12/31/2028
CN=COMODO Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	0C2CD63DF7806FA399EDE809116B575BF87989F06518F9808C860503178BAF66	12/1/2006	12/31/2029
CN=COMODO Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	1A0D20445DE5BA1862D19EF880858CBCE50102B36E8F0A040C3C69E74522FE6E	1/1/2011	12/31/2030
CN=COMODO ECC Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	1793927A0614549789ADCE2F8F34F7F0B66D0F3AE3A3B84D21EC15DBBA4FADC7	3/6/2008	1/18/2038
CN=COMODO RSA Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	52F0E1C4E58EC629291B60317F074671B85D7EA80D5B07273463534B32B40234	1/19/2010	1/18/2038
CN=Ensured Root CA O=Ensured B.V. L=Heerhugowaard ST=Noord-Holland C=NL	E99BA2CEF1B86154C7362AD2001C3DB99083F155769B69B6280E0BC7E8672AA4	11/11/2014	1/18/2038
CN=Sectigo Public Root E46 O=Sectigo Limited C=GB	56C9A62B261589B0F5CD71E2E2C2E569D74B51A831B7ACB6A7FA4EB238EFC2FF	3/22/2021	3/21/2046
CN=Sectigo Public Root R46 O=Sectigo Limited C=GB	E3B08CB86E2D62C9DA72992069CB0AC4ECBB5BD895581C24CD301C5756F78BF4	3/22/2021	3/21/2046



Root CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Sectigo Public Server Authentication Root E46 O=Sectigo Limited C=GB	C90F26F0FB1B4018B22227519B5CA2B53E2CA5B3BE5CF18EFE1BEF47380C5383	3/22/2021	3/21/2046
CN=Sectigo Public Server Authentication Root R46 O=Sectigo Limited C=GB	7BB647A62AEEAC88BF257AA522D01FFEA395E0AB45C73F93F65654EC38F25A06	3/22/2021	3/21/2046
CN=USERTrust ECC Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	4FF460D54B9C86DABFBCFC5712E0400D2BED3FBC4D4FBDAA86E06ADCD2A9AD7A	2/1/2010	1/18/2038
CN=USERTrust RSA Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	E793C9B02FD8AA13E21C31228ACCB08119643B749C898964B1746D46C3D4CBD2	2/1/2010	1/18/2038



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=COMODO ECC Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	53612513970B9F264CA4BCC3BFD84DBC5FE774E3C6295B3EBB99EB9D74069E2A	1/1/2004	12/31/2028
CN=COMODO RSA Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	38392F17CE7B682C198D29C6E71D2740964A2074C8D2558E6CFF64C27823F129	1/1/2004	12/31/2028
CN=COMODO SHA-2 Pro Series Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	1286173E6F0102F7BDD32C2F830910953489BF22C16295D84DD90A3DA137164A	9/16/2014	9/15/2029
CN=COMODO SHA-2 Pro Series Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	E11E06861C4D308FD944BF17BE5E9072A034C4F93034CB59C02D512D30F7FC45	2/12/2015	2/11/2030
CN=KICA RSA DV CA O=KICA C=KR	F606D8DEB27C0401F34E7B6A37C8E2A51DB8DA026BE58A07E854B686DE74C69A	5/27/2020	12/31/2028
CN=KICA RSA OV CA O=KICA C=KR	9A6962CD8C21B5DCF1F70B39A836C7F397EC495F880BE9B9B69B8B27288ECB14	5/27/2020	12/31/2028
CN=Sectigo Public Server Authentication Root E46 O=Sectigo Limited C=GB	6802701F0FD0960FF2B51F39AAEB20A778D83261A959AD0D7FF0BE54240F673D	3/22/2021	12/31/2028
CN=Sectigo Public Server Authentication Root R46 O=Sectigo Limited C=GB	CE75580BC6796D3B3EA2C3E74259D0D403072408E960C77139C2FB5A3D9419E4	3/22/2021	12/31/2028
CN=Sectigo RSA Pro Series Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	B0547FD468FBB6E337FE01B010834E53B4C5B12649ECE76FAEC38B8640F8878	11/6/2018	12/31/2030



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Sectigo SHA-256 DV Secure Server CA O=Sectigo Limited C=GB	7F814CD1454900AC1331364B6B6DE06B87CC8CB9936EC583100822721057D3A3	4/1/2020	12/31/2028
CN=Sectigo SHA-256 EV Secure Server CA O=Sectigo Limited C=GB	AAFDCCEE5793B5CF4BF2D0C5F6042D8A422BCC33B3965AC6283D273CC69B48375	4/1/2020	12/31/2028
CN=Sectigo SHA-256 OV Secure Server CA O=Sectigo Limited C=GB	97A718082B78EE7480979B2116D4BA0215C61AAA520B46CA6B9C2AB378F40821	4/1/2020	12/31/2028
CN=TrustAsia ECC EV TLS CA G2 O=TrustAsia Technologies, Inc. C=CN	0D4D3A2F6DAC222175BA1DF78B4817B469095BF02F47919512353115902265FB	1/10/2022	12/31/2028
CN=TrustAsia RSA EV TLS CA G2 O=TrustAsia Technologies, Inc. C=CN	D158333E02B10C80F6966B7705AB79570B17DA38B1E392145940ED7E67EE4FD8	1/10/2022	12/31/2028
CN=USERTrust ECC Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	A6CF64DBB4C8D5FD19CE48896068DB03B533A8D1336C6256A87D00CBB3DEF3EA	3/12/2019	12/31/2028
CN=USERTrust RSA Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	68B9C761219A5B1F0131784474665DB61BBDB109E00F05CA9F74244EE5F5F52B	3/12/2019	12/31/2028
CN=UTN-USERFirst-Client Authentication and Email OU=http://www.usertrust.com O=The USERTRUST Network L=Salt Lake City ST=UT C=US	565C82702B5EC63202754D4F4B76CC3BAE32A4C9146ED3BEC73A404FFAD4CDE	1/1/2004	12/31/2028
CN=Sectigo SHA-256 DV Secure Server CA 2 O=Sectigo Limited C=GB	EED0A95E7DE3CA53E4A6C72A86B3F164C0C23E380F8F6B79A349EF1784342C1F	4/1/2020	12/31/2030
CN=Sectigo SHA-256 EV Secure Server CA 2 O=Sectigo Limited C=GB	8464FFEB29A3AD17E9D6F46E48C5C727C9D7868DAC0262BF256E20B3CFB55882	4/1/2020	12/31/2030
CN=Sectigo SHA-256 OV Secure Server CA 2 O=Sectigo Limited C=GB	BDA4672A403CA2451C74D7E93E7A4E71A9ED22A2A8CCD6F91F8FE9AE0E6CA881	4/1/2020	12/31/2030



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=COMODO ECC Domain Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	CD6C108A0E641F2CA122AAA6D03F826759CAE7C6F800EABF76DC48B67CD083CE	9/25/2014	9/24/2029
CN=COMODO ECC Domain Validation Secure Server CA 3 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	91D0050633F62572F6796148867644EE31140AD72266E0F9305A7C6FD4040F9F	11/26/2014	11/25/2029
CN=COMODO ECC Domain Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	7E32368E24A2CC48D3D29E883B260E40CEDA22AF97189C78FC5B928484E9A010	3/13/2014	3/12/2029
CN=COMODO ECC Extended Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	90C671E08E6823B8646C2EC18023769AC0FC3438A33C101F6683B95DE3180524	11/26/2014	11/25/2029
CN=COMODO ECC Extended Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	06C27461C0417D513CE0F634FAB5ADD30C88EF0E25C84FDE0E42125B88CA0475	4/15/2013	4/14/2028
CN=COMODO ECC Organization Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	549AB524E886ADECE70BDD96A04B554942C374BE7C29C0EE818B630BDF200EE1	3/13/2014	3/12/2029



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=cPanel Extended Validation ECC Certification Authority OU=Controlled by COMODO exclusively for cPanel, Inc. O=cPanel, Inc. L=Houston ST=TX C=US	DF653085C8ED5F844CBB09161B8AE0BF2F36822F937BF7BB1A689C6FC8BD579A	12/13/2016	12/13/2026
CN=Trustico ECC EV CA OU=Controlled by COMODO exclusively for The Trustico Group Ltd O=The Trustico Group Ltd L=Croydon ST=London C=GB	4D8ED4A3B5F3CF74FEC875E8204212A72197D71DDA3A07AE5FA5BEFEB61EC9C6	9/8/2017	9/8/2027
CN=UbiquiTLS™ DV ECC Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	A9F8D0EC60F72D8AC879F6E3CC380E500098BC0080C07AC539FAE682543FFC02	3/29/2016	3/29/2031
CN=WebNIC ECC Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for WebNIC O=WebNIC (Web Commerce Communications (Singapore) Pte. Ltd.) L=Singapore C=SG	5FA49B36C72D03E42DAA4302500D646C948C87AC36ED30CC3DBDBBE24C64633	9/23/2019	9/22/2029
CN=COMODO RSA Client Authentication and Secure Email CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	15FAC425AA84404B362FA3489EB67D055D5DA276F8685C4D698DA1830D420F0F	1/10/2013	1/9/2028
CN=COMODO RSA Domain Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	FF201CA12C87A6F0CBA643E9ABB3C954C9155ADD3139B2E2EAED114BF9F75D31	9/25/2014	9/24/2029



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=COMODO RSA Domain Validation Secure Server CA 3 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	9147C38E03B46C8CE5DDDB02CAA2932F1E1675C0A001529138336ED10D99983A	11/26/2014	11/25/2029
CN=COMODO RSA Domain Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	02AB57E4E67A0CB48DD2FF34830E8AC40F4476FB08CA6BE3F5CD846F646840F0	2/12/2014	2/11/2029
CN=COMODO RSA Extended Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	AB2C93E01CC215807F04CDBFC362808D88940A7B2CEE70238D356D8D94956DF9	11/26/2014	11/25/2029
CN=COMODO RSA Extended Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	7E0E16C0056F41A9F4C61F571503C3BCF079E2BDD8228BF2219AC312004968B5C	2/12/2012	2/11/2027
CN=COMODO RSA Extended Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	CD730E53FE732D8F09D68C2CDBFD1EFD98A855F5E149021C01CB2EEE1D8186E7	2/12/2012	2/11/2027
CN=COMODO RSA Organization Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	111006378AFBE8E99BB02BA87390CA429FCA2773F74D7F7EB5744F5DDF68014B	2/12/2014	2/11/2029



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=cPanel Extended Validation RSA Certification Authority OU=Controlled by COMODO exclusively for cPanel, Inc. O=cPanel, Inc. L=Houston ST=TX C=US	7F07C12FFF4653D6BB65F9CCFD1A0E9EE466884EB077277BB9BB45D76243CC22	12/13/2016	12/13/2026
CN=EUNETIC - EuropeanSSL Extended Validation Server CA 2 OU=Controlled by COMODO exclusively for EUNETIC GmbH O=EUNETIC GmbH L=Durmersheim ST=Baden-Württemberg C=DE	8B25579491F85CF577EC2172CFAD2DB24CA2255742E6E5341CF06E2CBEC5D906	10/27/2014	10/26/2024
CN=SSL Blindado EV 2 OU=Certificação Digital OU=Controlled by COMODO exclusively for Site Blindado S.A. O=Site Blindado S.A. L=São Paulo ST=SP C=BR	7CECDAFC6BE618A40F1BAC26462463847412D676A5C6D23899550EE976BE32FE	9/9/2014	9/8/2024
CN=Trustico RSA EV CA OU=Controlled by COMODO exclusively for The Trustico Group Ltd O=The Trustico Group Ltd L=Croydon ST=London C=GB	663A4E658FBBF74FC19B0155F2FACB12CC9B697058F447EF791178FE9B8D073D	9/8/2017	9/8/2027
CN=UbiquiTLS™ DV RSA Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	F00322C97B57CEA6D64A6A1D365C6C6B7F0EBA3089876C1430E1063E8A82A676	3/29/2016	3/29/2031



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=WebNIC RSA Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for WebNIC O=WebNIC (Web Commerce Communications (Singapore) Pte. Ltd.) L=Singapore C=SG	198E332F10FA0F58AF083AE964BC6441F06CD0FAD319B1235FE3ED0F7C6EAF93	9/23/2019	9/22/2029
CN=Sectigo Public Server Authentication CA DV E36 O=Sectigo Limited C=GB	873F0BA80E3AC222656DFD04158CC15C2927D42D5D05F01DEE4A47EB43A916DF	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA EV E36 O=Sectigo Limited C=GB	FD917B0D094FAA4DB1BBAF9ED7AC55BE5162D971C227B34E7085CA537A4A4B47	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA OV E36 O=Sectigo Limited C=GB	4102BB08B7EA19E567EB6710384C540AFDAD993AF0D9DFBF91CA6273755B8BA0	3/22/2021	3/21/2036
CN=MarketWare RSA Extended Validation Secure Server CA 3 O=MarketWare - Soluções para Mercados Digitais, Lda. C=PT	95ADC8350E848D9120F77BE7D5FA587508553B651ADA3A42A3F0C8ADC9363DD2	3/16/2024	3/15/2034
CN=Sectigo Public Server Authentication CA DV R36 O=Sectigo Limited C=GB	8C54C334B66BA4E426772AF4A3F9136C19A1AEC729FDB28C535C07A5A4EF22E0	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA EV R36 O=Sectigo Limited C=GB	7A1A24285E25E94DF27CE8B344B1BB6B32F0254FF0D7B5AB6E856AE90CFDE55C	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA OV R36 O=Sectigo Limited C=GB	6542D176BED50F193C0CE297AE44ECD8A0A86BEC2EDE682769344059B4E78530	3/22/2021	3/21/2036
CN=AlpiroSSL ECC EV CA O=Alpiro s.r.o. C=CZ	F82F8B50967C0A52E9D81B79A90FFEB8E515B7814A5E5DE2F26B0F6AF6FE7531	10/6/2020	10/5/2030



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=BitCert ECC Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for BitCert O=成都数证科技有限公司 L=Chengdu ST=Sichuan C=CN	16AD5125A0955AF0264218545E74827E2C39A032D5D0BF665B17C3BF99D23496	6/7/2019	6/6/2029
CN=BlackCert, Inc. ECC EV Certification Authority OU=Controlled by COMODO exclusively for BlackCert, Inc. O=BlackCert, Inc. L=Denver ST=CO C=US	39C79D2A4CFFE09C61DE69EC14991D8E95CE7134ECF71EF079900D0AD5478CAD	7/17/2015	7/16/2025
CN=CATrust ECC EV SSL CA O=Zhejiang Xinya Network Technology Co., Ltd. C=CN	898C44BEE78B1634C8D580700A38146B9F5809EB30703422BCB35F404E6A10EC	2/24/2023	2/23/2033
CN=CertAssure ECC EV Secure Server Certification Authority OU=Controlled by COMODO exclusively for CertAssure Inc. O=CertAssure Inc. L=San Jose ST=CA C=US	0BF8D27871A25EFBCC70F56C268C80C42D28C5F1D18A69C0180D989B2B8D671A	10/14/2014	10/13/2024
CN=CertCenter Enterprise ECC EV CA OU=Controlled by COMODO CA exclusively for CertCenter AG O=CertCenter AG L=Giessen ST=Hessen C=DE	7EC8E7AA42195E9A368858E29669EAA37D57B13AFA2331BDAAE6A1EBF7E46E7E	7/9/2018	7/8/2028
CN=CertCloud ECC EV TLS CA O=CertCloud Pte. Ltd. C=SG	13F7B37CC1F8442A8CE13E7B4422217D8E89957CFEA850C3CBBE75CBE561E774	8/18/2020	8/17/2030
CN=CERTDATA SSL EV ECC CA [Run by the Issuer] O=CERTDATA SERVICOS DE INFORMACAO LTDA C=BR	E1C4B0B5BE92471EEC288DB2AAEC80FBE065FBAE8C9A9A57698D7BD89F307031	3/5/2020	3/5/2030



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Certera EV SSL CA - ECC O=Certera C=US	6B653BCD7382FE58F746F2FA3B050E8CF6AF355968E1A81753E9A2244460CB03	9/7/2022	9/6/2032
CN=cnTrus EV SSL - ECC O=Zhejiang Huluwa Digital Certification Co., Ltd. C=CN	6F7C6DE02919DFF6F68859E6FB57A02151BBEF7ECFCCFF9A598130496B5A7539	8/24/2022	8/23/2032
CN=cnWebTrust EV CA - ECC O=cnWebTrust Inc C=CN	CE15F4CB63B8945D12D556BD566B40A9A4F62ABD96CD19654AB826541A47584C	6/6/2022	6/5/2032
CN=CTI ECC EV SSL CA O=Centre Testing International Group Co., Ltd. C=CN	C4BAADAF730EFC93441CF184D60951270315B065DD4200D8FA15D349B19469DC	8/2/2023	8/1/2033
CN=DigitalTrust High Assurance CA G3 [Run by the Issuer] O=Digital Trust L.L.C. C=AE	1652C66DB642D0A524BF89FFDF3EED5A8E94B14A6EB07E7A45EA80C54F9E8593	1/8/2020	1/7/2030
CN=DNEncrypt ECC EV SSL/TLS [Run by the Issuer] O=DNEncrypt, Inc C=US	E993AD654D458544BB0E4DA7EC7C5FBA60C464579B1B22C65923DDD14A6780AC	12/19/2019	12/18/2029
CN=DNSPod ECC EV O=DNSPod, Inc. C=CN	1A1D59B3CFDB8423A6E2677EF15D9FC3D0DA9DCCFA637F60EAE6E9B7C887C8FD	4/14/2022	4/13/2032
CN=eMudhra ECC Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for eMudhra Technologies Ltd. O=eMudhra Technologies Limited L=Bengaluru ST=Karnataka C=IN	67BBD91446D3ADEF9B21C0576996DCD8E6668D6B0C133F076B91FA71CEE6B428	5/14/2019	5/13/2029
CN=E-SAFER EXTENDED SSL ECC CA [Run by the Issuer] O=E-SAFER CONSULTORIA EM TECNOLOGIA DA INFORMACAO LTDA C=BR	28BDD80239D2D5607E8DE8F223B5F7069CB8D1A278895D4C4C571E7D0B697663	10/22/2021	10/21/2031



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=FujiSSL ECC Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for Nijimo K.K. O=Nijimo K.K. L=Shibuya-ku ST=Tokyo C=JP	143DFE65832E203E4D28EC30FB60BA73BEE3AE308A3F8D194BB61E7D1D9BC0	5/15/2019	5/14/2029
CN=GEANT eScience SSL ECC CA 4 O=GEANT Vereniging C=NL	CAD03A584E58539B89192EC49CEA7A6D8ED7242AD5DCDF83F96D087F09F232DB	2/18/2020	5/1/2033
CN=GEANT EV ECC CA 4 O=GEANT Vereniging C=NL	860F8E4984FCAAAA78C87F0713F203181B57D7B556FED979CE14DCA01FFA4A54	2/18/2020	5/1/2033
CN=GEANT OV ECC CA 4 O=GEANT Vereniging C=NL	083799E8B2B9016E44702EBF9BF369CE253FE1FBEB650E5DF10EF44D87BF3BAE	2/18/2020	5/1/2033
CN=Gehirn Managed Certification Authority - ECC EV OU=Controlled by COMODO CA exclusively for Gehirn Inc. O=Gehirn Inc. L=Chiyoda-ku ST=Tokyo C=JP	5F18390F21490292A095FFF380F2E8927DD3159223A76113EDE357AA2B311C1F	3/16/2018	3/15/2028
CN=GENIOUS ECC Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for Genious Communications O=Genious Communications L=Marrakech ST=Marrakech C=MA	CED406787F36646D897E468B7B8B5DCAE1030C3A75AF1C9B105514B95EC6EA70	5/14/2019	5/13/2029
CN=GeoSSL ECC Extended Validation Secure Server CA O=GeoSSL C=CN	379DE2AA6EF4B17E1E6C0D9626531F792E6595917FB2D28A9E75EAB9ECE9E743	11/11/2022	11/10/2032
CN=Global Trust CA - EV (ECC) O=Global Digital Inc. C=TW	3ADDC98240E21A72D9C40EB5058905AA40EDFA345AEDDE5844CCB0F462D84F7	1/8/2020	1/7/2030



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=GoGetSSL ECC EV CA OU=Controlled by COMODO CA exclusively for GoGetSSL O=GoGetSSL L=Riga C=LV	BA6B9BFBBF9698AF91EB4C693466414181A0002AD528FF154946D586AA5D9445	9/6/2018	9/5/2028
CN=InCommon ECC Server CA OU=InCommon O=Internet2 L=Ann Arbor ST=MI C=US	BDB7AA28F164E4BC15D6920733B223ED98E55220A3E56F3B1ECFD04E87D30B71	12/17/2015	12/16/2025
CN=ISSAuth ECC EV CA O=INTEGRITY Security Services LLC C=US	4687344F4713ABD03DAD9199428C6AD6A5614462AC3BD79FB0F0C1A56F4A2065	9/25/2020	9/25/2030
CN=Omit Security ECC Domain Validation CA O=Omit Security, Inc C=US	56800FDA0D452DBA2972194FF6DE72147D0378887C60248330BB801795C687C6	4/7/2021	4/6/2031
CN=Omit Security ECC Extended Validation CA O=Omit Security, Inc C=US	F1E12C0C4AC7E564A1FF55ECB0BF50BD42AA0C91E17EF24696CA7296807F5C27	4/7/2021	4/6/2031
CN=Omit Security ECC Organization Validation CA O=Omit Security, Inc C=US	7A4E1D1A4C395CE4BA22D980C9A8158A204E83EA47E2A51FF214927DB425A5F3	4/7/2021	4/6/2031
CN=OneSignSSL ECC EV Secure Server CA OU=Controlled by Sectigo exclusively for One Sign Pte. Ltd. O=One Sign Pte. Ltd. L=Singapore ST=Singapore C=SG	BA2959FA448E9802C859F90CB5DAC738EF79DBFCCCD4D407943651F0B0456A13	6/10/2019	6/9/2029
CN=PSW GROUP (ECC) EV CA O=PSW GROUP GmbH & Co. KG C=DE	7194343A3AACDA629A24C50B645F9F0CC4E51942779AA0720276A94F21BF55F6	1/25/2021	12/31/2030
CN=RZTrust ECC EV SSL CA O=Zhongxiong Century Credit Co., Ltd C=CN	581460D695B3807F8711F2778DC22EBDD3B18DDD320DDFCD28E3619CB280B0C4	8/2/2023	8/1/2033



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Sectigo ECC Domain Validation Secure Server CA 2 O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	F6722BE44ACDAE5B5A8B3B0B4AF9F4BF5E5FBC3961CF526CBD9769D1C6E14859	12/3/2018	12/31/2030
CN=Sectigo ECC Domain Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	61E97375E9F6DA982FF5C19E2F94E66C4E35B6837CE3B914D2245C7F5F65825F	11/2/2018	12/31/2030
CN=Sectigo ECC Extended Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	1FFECE09682F87024A2A44B2C987B1FCCEE3B2B5CF021EFCF23869224A4CA154	11/2/2018	12/31/2030
CN=Sectigo ECC Organization Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	3457106752400212903A3545CA3B2EF384A456972BD951D8D840C1B0A379EFA1	11/2/2018	12/31/2030
CN=Sectigo Partners - Server Authentication - ECC O=Sectigo Limited C=GB	9C624A017764FCBA36358679804A75CACE95F044F055DFDF02505F3B06017F34	3/20/2020	1/18/2038
CN=Sectigo Public Server Authentication Root E46 O=Sectigo Limited C=GB	EA6B89ED6907A209FF9188676FB164E7ACED894B8996DFBE5CE5BBCC22DE4DDD	3/22/2021	1/18/2038
CN=Site Blindado ECC Extended Validation Secure Server CA 3 O=Site Blindado S.A. C=BR	B1E42ECAECFC4B29408EBA5983DBF3922D39421C43B6A61655B03F9AEBFE4A21	8/2/2023	8/1/2033



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=SSLs.com ECC EV Secure Server CA OU=Controlled by Sectigo exclusively for SSLs.com O=SSLs.com (Namecheap, Inc.) L=Phoenix ST=Arizona C=US	3B8BB7BEE5A4EB21EA8D9279F3F456CAF3B89C56D6DD4C69A3FBD7F9E4ED9CD3	5/14/2019	5/13/2029
CN=sslTrus (ECC) EV CA O=sslTrus (上海锐成信息科技有限公司) C=CN	36BA70BAAEDF637B4C16B54651AEC36059DAF64DCF6CAE0D94CB88C2CB4C2702	1/1/2021	12/31/2030
CN=TrustAsia ECC EV TLS CA G3 O=TrustAsia Technologies, Inc. C=CN	A7C081E1F8D6C80C4F3DAE57DEF94D11AB2D6A6439F98775E010022A90D6D1E6	4/20/2022	4/19/2032
CN=TrustOcean EV SSL CA - ECC - 2019 OU=ECC Extended Validation Secure Server - 2019 OU=Controlled by Sectigo exclusively for TrustOcean Ltd. O=TrustOcean Ltd. L=Denver ST=CO C=US	634C08422C1041D0B43998F87209DFCADF802D17982A4188364610E3B27022E6	1/29/2019	1/28/2029
CN=TrustSign ECC EV CA OU=Controlled by Sectigo exclusively for Ziwit O=Ziwit L=Montpellier ST=Herault C=FR	025764E6E19D90BC6CC70669445593D53FC0D9836F7B9428036208610B539943	12/3/2018	12/2/2028
CN=USERTrust ECC Domain Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	72956A1C5AA5D91AC69CD63107A25AA1843819DDC21C5108EC1D97F3229603CE	8/22/2014	8/21/2029
CN=USERTrust ECC Extended Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	E81443141E3C1232D06465E11BBD1F6CA7181A3E037F815BB8FAAAEAD6BEBED1	4/15/2013	4/14/2028



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=USERTrust ECC Organization Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	46D3B50FEDCF8C36B5F672239CC3A2E9E02ED15F33CBDC0C262A8647849403F4	8/22/2014	8/21/2029
CN=Valid Certificadora ECC EV SSL CA O=Valid Certificadora Digital LTDA C=BR	39118A120E7D36886AE632F6166B259EA9575EF1D09A4CBEC0E17D836C30DB05	8/2/2023	8/1/2033
CN=Verkey High Assurance Business (ECC) O=Verkey C=AU	82A1BBA2EBFEAEAE6C9D34E841A1A896377FE2D037DCA8A9DEFF7D38070398D6	6/25/2021	6/24/2031
CN=XinChaCha Trust EV CA - ECC O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	6A0B7E50404712521760A30BF44270EEAC8A602FE97AC36EAEA93A72FB3EA379	8/24/2022	8/23/2032
CN=XinNet ECC EV O=Xin Net Technology Corp. C=CN	1221AAB60379E9FE79909AA108DC1C2D3FC312F671CB4BCDE01C4E67D7E7C08C	8/26/2022	8/25/2032
CN=ZDNS ECC EV SSL CA O=互联网域名系统北京市工程研究中心有限公司 C=CN	F8E11AB7F833BBE93BD13BBED3E30A3EABA9E34A4510E344ABC93404C26D1801	10/26/2023	10/25/2033
CN=ZeroSSL ECC EV Secure Site CA O=ZeroSSL C=AT	D24195C61F9CDA8562CD75E95565197097BD74DFC07CE2D1DF41488B699DC5E9	1/30/2020	1/29/2030
CN=ZoTrus ECC EV SSL CA O=ZoTrus Technology Limited C=CN	4F4D8CF5E75FF7ADDF677A026A0EFDB243C202DE4D7F446040E5CBEA2CE03D54	1/11/2022	1/10/2032
CN=ZwTrus ECC EV SSL CA O=北京中万网络科技有限责任公司 C=CN	F6BE748B438846F3F520190836F17527EEC709DBA71C9B32F81968ECC0254757	6/6/2022	6/5/2032
CN=时代互联 ECC EV SSL CA O=广东时代互联科技有限公司 C=CN	ABDCE06D6612F3D88765CD579F684F8F2825B24C483121D4AF0A6DB38FDCAF44	8/2/2023	8/1/2033
CN=纳网 ECC Extended Validation Secure Server CA O=厦门纳网科技股份有限公司 C=CN	E7DB0014494048F226A673C28B725E8DDB9CCD4867A8552D7AE85C2523BD2655	5/20/2023	5/19/2033



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=AlpiroSSL RSA EV CA O=Alpiro s.r.o. C=CZ	3ED13F9D19E56F5BA1492385CA813F7DD63BBEB3CF5C56DB5C309CF4EAA90171	10/6/2020	10/5/2030
CN=Baidu, Inc. DV CA O=Baidu, Inc. C=CN	EA423F1B3B1B529D1C7DB9A21AF87DC78DE7259555E298BA26C63CF1275A912C	4/1/2020	4/1/2030
CN=Baidu, Inc. EV CA O=Baidu, Inc. C=CN	C30BC9667E273937833C396AD85EE325DE633F4FCCC51483417A9C8A4E33B39D	4/1/2020	4/1/2030
CN=Baidu, Inc. OV CA O=Baidu, Inc. C=CN	4B704CDA80E244D4186844F0EF242B70C4B1AB4D8D8961568F28E12C89784F23	4/1/2020	4/1/2030
CN=BitCert RSA Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for BitCert O=成都数证科技有限公司 L=Chengdu ST=Sichuan C=CN	62DDCFA05A63ACFB7C2070A435263F226BF2039FC11D1CCFC736792E4466983B	6/7/2019	6/6/2029
CN=BlackCert, Inc. RSA EV Certification Authority OU=Controlled by COMODO exclusively for BlackCert, Inc. O=BlackCert, Inc. L=Denver ST=CO C=US	EBE0015EF641C480954ED2A68842FCCD2A8A79213AEED836DDFA6282E8EA8F6A	7/17/2015	7/16/2025
CN=CATrust RSA EV SSL CA O=Zhejiang Xinya Network Technology Co., Ltd. C=CN	26E1E17B579F51DE03204521B6D67323C97B0F351E9923C5AA8E7F333F9AB48E	2/24/2023	2/23/2033
CN=CerSign EV SSL CA O=CerSign Technology Limited C=CN	7F55276114DD8965DBA5B10819FDE121C20B11C8484977FA38814423AE82AC0A	9/13/2021	9/12/2031



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=CertAssure RSA EV Secure Server Certification Authority OU=Controlled by COMODO exclusively for CertAssure Inc. O=CertAssure Inc. L=San Jose ST=CA C=US	04C406F14805239AD9AA730E40430984250626372304F78883C8B2EEC4E1F0EC	10/14/2014	10/13/2024
CN=CertCenter Enterprise RSA EV CA OU=Controlled by COMODO CA exclusively for CertCenter AG O=CertCenter AG L=Giessen ST=Hessen C=DE	EF5663142F5B2D6B8274529B157DF2F965A71873A5AE5AA5E0720244F2398B6F	7/9/2018	7/8/2028
CN=CertCloud RSA EV TLS CA O=CertCloud Pte. Ltd. C=SG	208388EBF99B12188852F11DD794667B5E3995A2767ADB255E9B8F5D4CF50576	8/18/2020	8/17/2030
CN=CERTDATA SSL EV CA [Run by the Issuer] O=CERTDATA SERVICOS DE INFORMACAO LTDA C=BR	BA799F322591DD7D35DBC58F4820725F094F543AA13CB458C55C91DC86BE22FF	3/5/2020	3/5/2030
CN=Certera EV SSL CA O=Certera C=US	C8B068C2BAAD86629F5E86290106080CDDFF8E6FCDA8C41E463A2AC4AE1C4435	9/7/2022	9/6/2032
CN=CloudSecure RSA Extended Validation Secure Server CA 2 O=CloudSecure Corporation C=JP	E9B9980C8A3F593F4D9E7DA3F497AFF8FB66E242C6CBA0D730E206559513FA5D	1/31/2024	1/30/2034
CN=cnTrus EV SSL CA O=Zhejiang Huluwa Digital Certification Co., Ltd. C=CN	02CE16235A88B97D61A7C16FF5146E4F7BA580881ADC22650033698B4912C939	8/24/2022	8/23/2032
CN=cnWebTrust EV CA O=cnWebTrust Inc C=CN	697854EB0E9A4779E62ACA1247F58796CC534D549AAFE61D1EFB8A969724F458	6/6/2022	6/5/2032
CN=CTI RSA EV SSL CA O=Centre Testing International Group Co., Ltd. C=CN	B38BFDEBCEAB7AD72FA656806D7BC98B8D59BF116398E596E13C9B66EE070400	8/2/2023	8/1/2033



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=DigitalTrust High Assurance CA G4 [Run by the Issuer] O=Digital Trust L.L.C. C=AE	969E3200520EB2C69A9667587E6DD4D0B23F28F510CC1317670A8ED3613EBEAD	1/8/2020	1/7/2030
CN=DNEncrypt SHA2 EV SSL/TLS [Run by the Issuer] O=DNEncrypt, Inc C=US	885E8E1DCAD07714F3BA2CAC9ADBF68711FB2E563683FC4E334CF924D97CC245	12/19/2019	12/18/2029
CN=DNSPod RSA EV O=DNSPod, Inc. C=CN	45580380E4BC0D9728C9F3098AD7B60AB27212D0FF142020C5230891AB8471BE	4/14/2022	4/13/2032
CN=DOMENY SSL DV Certification Authority O=DOMENY.PL sp. z o.o L=Kraków ST=Matopolskie C=PL	194CC2B5B06493C0EF0B0A9FA8376F958BE242A274ADA974ACBC9102336878DC	12/2/2014	12/1/2024
CN=DOMENY SSL EV Certification Authority OU=Controlled by COMODO exclusively for DOMENY.PL sp. z o.o O=DOMENY.PL sp. z o.o L=Kraków ST=Matopolskie C=PL	21EE6D4F5FEE485AC7A035F1D65DE2FC4DD0ED2897ACDC2A3B679C04D4599AE8	12/2/2014	12/1/2024
CN=DOMENY SSL OV Certification Authority O=DOMENY.PL sp. z o.o L=Kraków ST=Matopolskie C=PL	9B22E7FA08D3F8C6D6E9F420D8F756C79135E66D1B2D70B07903721F03DBE5B6	12/2/2014	12/1/2024
CN=Don Dominio / MrDomain RSA EV CA OU=Controlled by COMODO CA for Soluciones Corporativas IP, SL O=Soluciones Corporativas IP, SL L=Manacor ST=Illes Balears C=ES	7E9DDE11F7566B0FAC6228A00905A84E6360E9501A701B3E7FC832EA3B9FDA78	2/16/2018	2/16/2028



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=eMudhra RSA Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for eMudhra Technologies Ltd. O=eMudhra Technologies Limited L=Bengaluru ST=Karnataka C=IN	45C28BE4342F072CD6219698C3EF2AC6DBA73F19E04DACF2044D2F6993E342B4	5/14/2019	5/13/2029
CN=E-SAFER EXTENDED SSL CA [Run by the Issuer] O=E-SAFER CONSULTORIA EM TECNOLOGIA DA INFORMACAO LTDA C=BR	E20DFF26F3C3963F3700BF2E108F1F9E9DEE259C24F8AFD0DBBB6FCD9A1BC59A	10/22/2021	10/21/2031
CN=EUNETIC RSA Extended Validation Secure Server CA 3 O=EUNETIC GmbH C=DE	485475C78CFCFC8E7D1BF4DFF9A6C48A24E487A0FA0016E5C23676998C30DACF	8/2/2023	8/1/2033
CN=FujiSSL SHA2 Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for Nijimo K.K. O=Nijimo K.K. L=Shibuya-ku ST=Tokyo C=JP	E7FBD2DA86DE31AE7FE051C643FC45D31E67454B2A5CD8E43C6D656723AE8CEA	5/15/2019	5/14/2029
CN=GEANT eScience SSL CA 4 O=GEANT Vereniging C=NL	277F0FCA263E12856DBAA4DD0ADF04204F7F98CFD72CE9C93807E377E34C8876	2/18/2020	5/1/2033
CN=GEANT EV RSA CA 4 O=GEANT Vereniging C=NL	DBAC2FAE4F8C949B1A30CF871EAB58957F6420B797A5125506B8CEDD48F5D784	2/18/2020	5/1/2033
CN=GEANT OV RSA CA 4 O=GEANT Vereniging C=NL	37834FA5EA40FBF7B61196955962E1CA0558872435E4206653D3F620DD8E988E	2/18/2020	5/1/2033
CN=Gehirn Managed Certification Authority - RSA EV OU=Controlled by COMODO CA exclusively for Gehirn Inc. O=Gehirn Inc. L=Chiyoda-ku ST=Tokyo C=JP	96DC615D1F3DD9002EE5E628B2801EED07B91F0E45ACADEE76BC613DA06CBD	3/16/2018	3/15/2028



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=GENIOUS RSA Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for Genious Communications O=Genious Communications L=Marrakech ST=Marrakech C=MA	D8E18A65AF78454854CAA28FB2F5E79B57EC141F010423BCC8A71ABFC0496C2C	5/14/2019	5/13/2029
CN=GeoSSL RSA Extended Validation Secure Server CA O=GeoSSL C=CN	8D53E2A477A52C38D07BAFFDFB7179592A344DCB8ECB75E1AF8963C9A2FE9C83	11/11/2022	11/10/2032
CN=Global Trust CA - EV (RSA) O=Global Digital Inc. C=TW	EB14470371B092ED20801E21EA396539B4E428C1708AB8C9B7068342399D3C81	1/8/2020	1/7/2030
CN=GlobeSSL EV CA O=CentralNic Luxembourg Sàrl C=LU	0EE00290C8A71D985E38BEB84ECAC9D029B55967119D47CBCBE347F164DF4B4A	3/5/2020	3/5/2030
CN=GlobeSSL EV Certification Authority 2 OU=Controlled by COMODO exclusively for Globe Hosting, Inc. O=Globe Hosting, Inc. L=Wilmington ST=DE C=US	3FBA0AA49FBDE1C814CA830878ED03C7D24323F63483E52DEE8FF42C153C234F	2/4/2015	2/3/2025
CN=GoGetSSL RSA EV CA OU=Controlled by COMODO CA exclusively for GoGetSSL O=GoGetSSL L=Riga C=LV	91A321AD7FD3C9781214D76F5E28EB0D31AC86697EDF700E9AF94C7485F5B521	9/6/2018	9/5/2028
CN=InCommon RSA Server CA OU=InCommon O=Internet2 L=Ann Arbor ST=MI C=US	B1774F9B26B4E2D5F751713600FFEB163B34CB7A14C2C079704E95364FBCCA49	9/19/2014	9/18/2024



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=InCommon RSA Server CA OU=InCommon O=Internet2 L=Ann Arbor ST=MI C=US	0A05C462756390DD1F1D5DD82794C300F04BE789DCE76D7E312F790D68FD385A	10/6/2014	10/5/2024
CN=ISSAuth RSA EV CA O=INTEGRITY Security Services LLC C=US	0E34CC35F66DE0C06E1D901E2580961542EC2E2FAB1757837D09CFE36547966C	9/25/2020	9/25/2030
CN=MarketWare - Soluções para Mercados Digitais, Lda. RSA EV CA OU=Controlled by COMODO exclusively for MarketWare O=MarketWare - Soluções para Mercados Digitais, Lda. L=Lisboa ST=Lisboa C=PT	4B2B72BA0BE27A63478C273A0C5B52F69B89E3699AAD4F3A1A0EAFE66B995265	11/11/2015	11/10/2025
CN=Network Solutions EV Server CA 3 O=Network Solutions L.L.C. C=US	E3F355BB5EC113CFDC5E1CD2340C65C26DF4C69879FEF980036ECF42FD099372	10/15/2021	10/14/2031
CN=Omit Security RSA Domain Validation CA O=Omit Security, Inc C=US	5AABFFECD4AAAD9FAC8AA5EB5301B5BEB1710C865416A247C73DB52DAD5FB24C	4/7/2021	4/6/2031
CN=Omit Security RSA Extended Validation CA O=Omit Security, Inc C=US	FB8CC8C2ED1B384DE459F217D54D3CCCF0890EC58AA9D97C128EA3218A426325	4/7/2021	4/6/2031
CN=Omit Security RSA Organization Validation CA O=Omit Security, Inc C=US	979F6084B788F6D102C978D9EF1DA4CCC9165C36981A2A1A3CE3F450EE4880E0	4/7/2021	4/6/2031
CN=OneSignSSL RSA EV Secure Server CA OU=Controlled by Sectigo exclusively for One Sign Pte. Ltd. O=One Sign Pte. Ltd. L=Singapore ST=Singapore C=SG	9B53F69D8447B01B01E4565B853E288B6CB82291DA82A5B41BBC15C2F3AD6548	6/10/2019	6/9/2029
CN=Positiwise EV SSL CA O=Positiwise Software LLC C=US	FCAC624D61B2933A76E4B83EFDBE96A3EA5DADD03D0C9A74D1347E1D230DE4DE	8/3/2022	8/2/2032



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=PSW GROUP (RSA) EV CA O=PSW GROUP GmbH & Co. KG C=DE	449910A3F4AAA81DAEED14A01CF87F324FE880A879DDF7828E55C477589620AE	1/25/2021	12/31/2030
CN=RZTrust RSA EV SSL CA O=Zhongxiang Century Credit Co., Ltd C=CN	5508453C2069CCE80DCDD140726D097DEB08CEE0C9B3567863D2B516A235D666	8/2/2023	8/1/2033
CN=Sectigo Partners - Server Authentication - RSA O=Sectigo Limited C=GB	05FFC64B8FC53B79F5B9C62961EBCCACBA1931D50F34D014E929EB002B5BD832	3/20/2020	1/18/2038
CN=Sectigo Public Server Authentication Root R46 O=Sectigo Limited C=GB	92F351BF3D54164DFA8DD8F9E1139D3150349786485D2B9EECD00E2971C1E6C5	3/22/2021	1/18/2038
CN=Sectigo RSA Domain Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	7FA4FF68EC04A99D7528D5085F94907F4D1DD1C5381BACDC832ED5C960214676	11/2/2018	12/31/2030
CN=Sectigo RSA Extended Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	57D8BDCD58955A5590A57C6AAFA581ED9B96BED76FAFEE969B139187C5A872C7	11/2/2018	12/31/2030
CN=Sectigo RSA Organization Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	72A34AC2B424AED3F6B0B04755B88CC027DCCC806FDDB22B4CD7C47773973EC0	11/2/2018	12/31/2030
CN=SecureCore RSA EV CA OU=Controlled by COMODO exclusively for SecureCore O=SecureCore L=OSAKA ST=OSAKA C=JP	F8132A3B1D19025C5E6EB3C1B76B534658C11A5BE69044E9D4447B579463BB45	2/27/2015	2/26/2025



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Site Blindado RSA Extended Validation Secure Server CA 3 O=Site Blindado S.A. C=BR	1B52EDB396EA4E3CC986A7DD3E107ED2A070205A24A4A9849A18820900C8BAF1	8/2/2023	8/1/2033
CN=SSL.com Premium EV CA OU=www.ssl.com OU=Controlled by COMODO exclusively for SSL.com O=SSL.com C=US	3ABD349D7FE14305E695241234F9FF94AE821ADF4467BC1607A13E112F5EA767	7/4/2014	7/3/2024
CN=SSLs.com RSA EV Secure Server CA OU=Controlled by Sectigo exclusively for SSLs.com O=SSLs.com (Namecheap, Inc.) L=Phoenix ST=Arizona C=US	08928092365931619759F2B8B44ED2ABC030D8AF6C3C3149FBCB07C78A96CE36	5/14/2019	5/13/2029
CN=sslTrus (RSA) EV CA O=sslTrus (上海锐成信息科技有限公司) C=CN	E755AE9C42C1315F27DCD06451C6ABE0BC6AAD6EDDC2E5635CFC4918192D344C	1/1/2021	12/31/2030
CN=TI Trust Technologies EV CA OU=Controlled by Sectigo exclusively for TI Trust Technologies O=Telecom Italia Trust Technologies S.R.L. L=Pomezia ST=Roma C=IT	C2DFFB3C1BB06DE4C10926E517FF366F93892D5E02DC6F79080275DB57FD6FC8	7/30/2019	7/29/2029
CN=TrustAsia RSA EV SSL Server CA OU=Controlled by COMODO exclusively for TrustAsia Technologies O=TrustAsia Technologies, Inc. ST=Shanghai C=CN	8CD953C506228BF1D74D6062E91E7E0873EAE8BB19FBF200ACADC23830006B83	3/11/2015	3/10/2025
CN=TrustAsia RSA EV TLS CA G3 O=TrustAsia Technologies, Inc. C=CN	DE9D075656763AE7086373EB90126EC240E4E08089B61C3C9A1B025CB6F411C3	4/20/2022	4/19/2032



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=TrustOcean EV SSL CA - RSA - 2019 OU=RSA Extended Validation Secure Server - 2019 OU=Controlled by Sectigo exclusively for TrustOcean Ltd. O=TrustOcean Ltd. L=Denver ST=CO C=US	3131FFDBD967D7CD1D77742AF9772F1051FF4C9AE413759F434FE1E811119E03	1/29/2019	1/28/2029
CN=TrustSign BR Certification Authority (EV) 2 OU=Controlled by COMODO for TrustSign Certificadora Digital O=TrustSign Certificadora Dig. & Soluções Segurança da Inf. Ltda. L=São José dos Campos ST=São Paulo C=BR	769F6FF09A7462AC27A6E82DE770013D3C02133AFDDBE581AEFCCA1B0A029180	1/15/2015	1/14/2025
CN=TrustSign BR RSA EV SSL CA 3 O=TrustSign Certificadora Dig. & Solucoes Seguranca da Inf. Ltda. C=BR	A021D8E774C6A33C736BDB5C176925ADDF446C99679BCDCD82E5BD2EA5FE444D	1/31/2024	1/30/2034
CN=TrustSign RSA EV CA OU=Controlled by Sectigo exclusively for Ziwit O=Ziwit L=Montpellier ST=Herault C=FR	BAC4F03DC635BD AE067F7BFE77AB06D88B5BA4668B0F46157E53D6CA9310077F	12/3/2018	12/2/2028
CN=USERTrust RSA Domain Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	6EE065AF58B7043CB2372FC6639E3486304FCD094D9CB6838D76A88CE20C30DD	8/22/2014	8/21/2029
CN=USERTrust RSA Extended Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	125A5FD7C640D5E59F5CE5763CD8C932F5E597DDDC4EAF1D59667CF4B556A237	2/12/2012	2/11/2027



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=USERTrust RSA Extended Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	5367692ECE62B758D04D9B7E6DFB0DB307F859EBC6A6CB5F77FF24561D7CC004	2/12/2012	2/11/2027
CN=USERTrust RSA Organization Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	2E4A61E5238E556E8CEDBCC0B4F3DE2178245664A0BE195B3855B4C85DBDEEFF	8/22/2014	8/21/2029
CN=Valid Certificadora RSA EV SSL CA O=Valid Certificadora Digital LTDA C=BR	54126BB984B3E3635B91197633ECB4A898AF2FF0781A7F33E9297365DF6B3B0C	8/2/2023	8/1/2033
CN=Veroykey High Assurance Business O=Veroykey C=AU	D3419986A48765825D13B301547B27DC56A0ECD309198AFE9A7D7FAAD64969AA	6/25/2021	6/24/2031
CN=WoTrus EV Server CA [Run by the Issuer] O=WoTrus CA Limited C=CN	27EFE682C7479C38133A0943666FBC9103FCBB1A919634E439711CBEA7E3CFC7	1/8/2020	1/7/2030
CN=XinChaCha Trust EV CA O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	668FBB257435CF6DC01339AF0B272AD15CF4676776A2861CDAF7B4B598BFF169	8/24/2022	8/23/2032
CN=XinNet RSA EV O=Xin Net Technology Corp. C=CN	B9AF33FA426F2C8B1983856A5F91FC0D28EC930D1419888FC30DF5FB4DE7615F	8/26/2022	8/25/2032
CN=ZDNS RSA EV SSL CA O=互联网域名系统北京市工程研究中心有限公司 C=CN	41C29F80B918EF9605CDDCEBDBDB2683C310C5CF0AA7D8EBF6788393501E90B9	10/26/2023	10/25/2033
CN=ZeroSSL RSA EV Secure Site CA O=ZeroSSL C=AT	3F3B0D6A207C50A5829F1B1FE1C6BC3B66106085774614C12227B766728ED2AE	1/30/2020	1/29/2030
CN=ZoTrus EV SSL CA O=ZoTrus Technology Limited C=CN	ACFCC02431F4CB82F552C43BBDF8FA0214A5315C73B82CAEFAADB104DE251360	9/13/2021	9/12/2031
CN=ZwTrus EV SSL CA O=北京中万网络科技有限责任公司 C=CN	B9B64892D0AD47192C13F15DACCF5BA2041BB39F3041A80FAAAD6FC6C52A8A50	6/6/2022	6/5/2032



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=上海锐成信息科技有限公司 EV CA O=上海锐成信息科技有限公司 C=CN	52B6C4B05B3C521774557CD53EEA5956F36BC94C64B66D99E8A7291FC2FC9C36	6/9/2020	6/9/2030
CN=时代互联 RSA EV SSL CA O=广东时代互联科技有限公司 C=CN	D0E9157456A6E76D99CBD9458447CC32214346A5B6C55854871A005EE6E500F8	8/2/2023	8/1/2033
CN=纳网 RSA Extended Validation Secure Server CA O=厦门纳网科技股份有限公司 C=CN	9B78649DBD76CB5E1BBB4386342E452FC87C99BC711905E5F429126E58006FB6	5/20/2023	5/19/2033
CN=COMODO/HP Secure Email CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	FD029ADE3F7A80A98D6FFFC9429046585EF1D8CB8193A17F6214317D0652D7C3	9/11/2007	12/31/2028
CN=COMODO/PKWARE Secure Email CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	C0A1CA36475D33B471E4E58E5574DD9294D354C457295954DB555B24EAD2AA4B	11/13/2007	12/31/2028



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## SECTIGO LIMITED MANAGEMENT'S ASSERTION

Sectigo Limited ("Sectigo") operates the Certification Authority ("CA") services for the root and other CAs in scope enumerated in [Attachment C](#), and provides Extended Validation SSL ("EV SSL") CA services.

The management of Sectigo is responsible for establishing and maintaining controls over its EV SSL CA operations, including its EV SSL CA business practices disclosure on its [repository](#), EV SSL key lifecycle management controls, and EV SSL 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 Sectigo's CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Sectigo management has assessed its disclosures of its certificate practices and controls over its EV SSL CA services. Based on that assessment, in Sectigo management's opinion, in providing its EV SSL CA services in the locations as enumerated in [Attachment B](#), Sectigo has:

- disclosed its EV SSL certificate lifecycle management business practices in the applicable versions of its Sectigo Certification Practice Statement and Sectigo WebPKI Certificate Policy enumerated in [Attachment A](#), including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on the Sectigo [repository](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
  - EV SSL subscriber information is properly authenticated

throughout the period of April 1, 2023 to March 31, 2024, based on the [WebTrust Principles and Criteria for Certification Authorities - Extended Validation SSL, v1.8](#).

Sectigo has disclosed the following matters publicly on Mozilla's Bugzilla platform. These matters were included below due to being open during the period April 1, 2023 through the date of this report.

Bug ID	Summary	Opened	Closed	Resolution
<a href="#">#1813989</a>	Sectigo: Incomplete Subject organizationName	1/31/2023	5/4/2023	Fixed
<a href="#">#1818073</a>	Sectigo: Late revocation for incomplete Subject organizationName	2/21/2023	6/28/2023	Fixed
<a href="#">#1823723</a>	Sectigo: Incomplete Subscriber Agreement provisions	3/21/2023	4/5/2023	Fixed
<a href="#">#1829746</a>	Sectigo: Certificate issuance delayed for more than 398 days after DCV was completed	4/24/2023	6/2/2023	Fixed



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Bug ID	Summary	Opened	Closed	Resolution
<a href="#">#1830088</a>	Sectigo: Late termination of privileged access to Certificate Systems	4/26/2023	3/27/2024	Fixed
<a href="#">#1853987</a>	Sectigo: S/MIME certificates with (null) string value in subject attributes	9/19/2023	10/12/2023	Fixed
<a href="#">#1860299</a>	Sectigo: SMIME issuance with insufficient validation of mailbox authorization or control	10/20/2023	12/2/2023	Fixed
<a href="#">#1869056</a>	Sectigo: Inadequate vulnerability scanning and patching	12/8/2023	2/2/2024	Fixed
<a href="#">#1876775</a>	Sectigo: Wrong usage of LEI records for the issuance of SMIME Certificates	1/26/2024	3/4/2024	Fixed
<a href="#">#1878139</a>	Sectigo: Failure to invalidate Email DCV Random Values after 30 days	2/2/2024	4/3/2024	Fixed
<a href="#">#1891039</a>	Sectigo: Premature disabling of CRL generation for an inactive CA	4/11/2024	5/5/2024	Fixed
<a href="#">#1891245</a>	Sectigo: EV Certificate issuance with incorrect subject:serialNumber attribute value	4/12/2024	5/13/2024	Fixed
<a href="#">#1902310</a>	Sectigo: Trusted Role Access provided prior to completion of onboarding process	6/13/2024	-	Open

DocuSigned by:

6/24/2024

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Tim Callan  
 Chief Compliance Officer



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## ATTACHMENT A - CERTIFICATION PRACTICE STATEMENT AND CERTIFICATE POLICY VERSIONS IN-SCOPE

### Certificate Policy

Policy Name	Version	Effective Date
<a href="#">Sectigo WebPKI Certificate Policy</a>	1.3.4	February 7, 2024
Sectigo WebPKI Certificate Policy	1.3.3	March 23, 2023

### Certification Practice Statement

Policy Name	Version	Effective Date
<a href="#">Sectigo Certification Practice Statement</a>	5.4.1	February 7, 2024
Sectigo Certification Practice Statement	5.4.0	August 31, 2023
Sectigo Certification Practice Statement	5.3.7	May 17, 2023
Sectigo Certification Practice Statement	5.3.6	March 23, 2023



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## ATTACHMENT B - LOCATIONS IN-SCOPE

Location	Function
Secaucus, NJ, United States of America	Datacenter Facility
Manchester, United Kingdom	Datacenter Facility
Amsterdam (West), The Netherlands	Datacenter Facility
Amsterdam (South), The Netherlands	Datacenter Facility
Bradford, United Kingdom	Back-end Office Support
Chennai, India	Back-end Office Support
Iași, Romania	Back-end Office Support
Kanata, ON, Canada	Back-end Office Support
Roseland, NJ, United States of America <sup>1</sup>	Back-end Office Support
Lille, France	Back-end Office Support
Alkmaar, The Netherlands	Back-end Office Support
Scottsdale, AZ, United States of America <sup>2</sup>	Back-end Office Support

<sup>1</sup> As of December 31<sup>st</sup>, 2023, use of this office was discontinued for the remainder of the period.

<sup>2</sup> As of December 1<sup>st</sup>, 2023, this office is in scope.



## ATTACHMENT C - IN-SCOPE CAs FOR EXTENDED VALIDATION SSL GUIDELINES

Root CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=AAA Certificate Services O=Comodo CA Limited L=Salford ST=Greater Manchester C=GB	D7A7A0FB5D7E2731D771E9484EBCDEF71D5F0C3E0A2948782BC83EE0EA699EF4	1/1/2004	12/31/2028
CN=COMODO Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	0C2CD63DF7806FA399EDE809116B575BF87989F06518F9808C860503178BAF66	12/1/2006	12/31/2029
CN=COMODO Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	1A0D20445DE5BA1862D19EF880858CBCE50102B36E8F0A040C3C69E74522FE6E	1/1/2011	12/31/2030
CN=COMODO ECC Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	1793927A0614549789ADCE2F8F34F7F0B66D0F3AE3A3B84D21EC15DBBA4FADC7	3/6/2008	1/18/2038
CN=COMODO RSA Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	52F0E1C4E58EC629291B60317F074671B85D7EA80D5B07273463534B32B40234	1/19/2010	1/18/2038
CN=Ensured Root CA O=Ensured B.V. L=Heerhugowaard ST=Noord-Holland C=NL	E99BA2CEF1B86154C7362AD2001C3DB99083F155769B69B6280E0BC7E8672AA4	11/11/2014	1/18/2038
CN=Sectigo Public Root E46 O=Sectigo Limited C=GB	56C9A62B261589B0F5CD71E2E2C2E569D74B51A831B7ACB6A7FA4EB238EFC2FF	3/22/2021	3/21/2046
CN=Sectigo Public Root R46 O=Sectigo Limited C=GB	E3B08CB86E2D62C9DA72992069CB0AC4ECBB5BD895581C24CD301C5756F78BF4	3/22/2021	3/21/2046



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Root CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Sectigo Public Server Authentication Root E46 O=Sectigo Limited C=GB	C90F26F0FB1B4018B22227519B5CA2B53E2CA5B3BE5CF18EFE1BEF47380C5383	3/22/2021	3/21/2046
CN=Sectigo Public Server Authentication Root R46 O=Sectigo Limited C=GB	7BB647A62AEEAC88BF257AA522D01FFEA395E0AB45C73F93F65654EC38F25A06	3/22/2021	3/21/2046
CN=USERTrust ECC Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	4FF460D54B9C86DABFBCFC5712E0400D2BED3FBC4D4FBDAA86E06ADCD2A9AD7A	2/1/2010	1/18/2038
CN=USERTrust RSA Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	E793C9B02FD8AA13E21C31228ACCB08119643B749C898964B1746D46C3D4CBD2	2/1/2010	1/18/2038



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=COMODO ECC Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	53612513970B9F264CA4BCC3BFD84DBC5FE774E3C6295B3EBB99EB9D74069E2A	1/1/2004	12/31/2028
CN=COMODO RSA Certification Authority O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	38392F17CE7B682C198D29C6E71D2740964A2074C8D2558E6CFF64C27823F129	1/1/2004	12/31/2028
CN=COMODO SHA-2 Pro Series Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	1286173E6F0102F7BDD32C2F830910953489BF22C16295D84DD90A3DA137164A	9/16/2014	9/15/2029
CN=COMODO SHA-2 Pro Series Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	E11E06861C4D308FD944BF17BE5E9072A034C4F93034CB59C02D512D30F7FC45	2/12/2015	2/11/2030
CN=KICA RSA DV CA O=KICA C=KR	F606D8DEB27C0401F34E7B6A37C8E2A51DB8DA026BE58A07E854B686DE74C69A	5/27/2020	12/31/2028
CN=KICA RSA OV CA O=KICA C=KR	9A6962CD8C21B5DCF1F70B39A836C7F397EC495F880BE9B9B69B8B27288ECB14	5/27/2020	12/31/2028
CN=Sectigo Public Server Authentication Root E46 O=Sectigo Limited C=GB	6802701F0FD0960FF2B51F39AAEB20A778D83261A959AD0D7FF0BE54240F673D	3/22/2021	12/31/2028
CN=Sectigo Public Server Authentication Root R46 O=Sectigo Limited C=GB	CE75580BC6796D3B3EA2C3E74259D0D403072408E960C77139C2FB5A3D9419E4	3/22/2021	12/31/2028
CN=Sectigo RSA Pro Series Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	B0547FD468FBB6E337FE01B010834E53B4C5B12649ECE76FAEC38B8640F8878	11/6/2018	12/31/2030



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Sectigo SHA-256 DV Secure Server CA O=Sectigo Limited C=GB	7F814CD1454900AC1331364B6B6DE06B87CC8CB9936EC583100822721057D3A3	4/1/2020	12/31/2028
CN=Sectigo SHA-256 EV Secure Server CA O=Sectigo Limited C=GB	AAFDCEE5793B5CF4BF2D0C5F6042D8A422BCC33B3965AC6283D273CC69B48375	4/1/2020	12/31/2028
CN=Sectigo SHA-256 OV Secure Server CA O=Sectigo Limited C=GB	97A718082B78EE7480979B2116D4BA0215C61AAA520B46CA6B9C2AB378F40821	4/1/2020	12/31/2028
CN=TrustAsia ECC EV TLS CA G2 O=TrustAsia Technologies, Inc. C=CN	0D4D3A2F6DAC222175BA1DF78B4817B469095BF02F47919512353115902265FB	1/10/2022	12/31/2028
CN=TrustAsia RSA EV TLS CA G2 O=TrustAsia Technologies, Inc. C=CN	D158333E02B10C80F6966B7705AB79570B17DA38B1E392145940ED7E67EE4FD8	1/10/2022	12/31/2028
CN=USERTrust ECC Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	A6CF64DBB4C8D5FD19CE48896068DB03B533A8D1336C6256A87D00CBB3DEF3EA	3/12/2019	12/31/2028
CN=USERTrust RSA Certification Authority O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	68B9C761219A5B1F0131784474665DB61BBDB109E00F05CA9F74244EE5F5F52B	3/12/2019	12/31/2028
CN=UTN-USERFirst-Client Authentication and Email OU=http://www.usertrust.com O=The USERTRUST Network L=Salt Lake City ST=UT C=US	565C82702B5EC63202754D4F4B76CC3BAE32A4C9146ED3BEC73A404FFAD4CDE	1/1/2004	12/31/2028
CN=Sectigo SHA-256 DV Secure Server CA 2 O=Sectigo Limited C=GB	EED0A95E7DE3CA53E4A6C72A86B3F164C0C23E380F8F6B79A349EF1784342C1F	4/1/2020	12/31/2030
CN=Sectigo SHA-256 EV Secure Server CA 2 O=Sectigo Limited C=GB	8464FFEB29A3AD17E9D6F46E48C5C727C9D7868DAC0262BF256E20B3CFB55882	4/1/2020	12/31/2030
CN=Sectigo SHA-256 OV Secure Server CA 2 O=Sectigo Limited C=GB	BDA4672A403CA2451C74D7E93E7A4E71A9ED22A2A8CCD6F91F8FE9AE0E6CA881	4/1/2020	12/31/2030



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 BD7 1HR, United Kingdom

Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=COMODO ECC Domain Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	CD6C108A0E641F2CA122AAA6D03F826759CAE7C6F800EABF76DC48B67CD083CE	9/25/2014	9/24/2029
CN=COMODO ECC Domain Validation Secure Server CA 3 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	91D0050633F62572F6796148867644EE31140AD72266E0F9305A7C6FD4040F9F	11/26/2014	11/25/2029
CN=COMODO ECC Domain Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	7E32368E24A2CC48D3D29E883B260E40CEDA22AF97189C78FC5B928484E9A010	3/13/2014	3/12/2029
CN=COMODO ECC Extended Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	90C671E08E6823B8646C2EC18023769AC0FC3438A33C101F6683B95DE3180524	11/26/2014	11/25/2029
CN=COMODO ECC Extended Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	06C27461C0417D513CE0F634FAB5ADD30C88EF0E25C84FDE0E42125B88CA0475	4/15/2013	4/14/2028
CN=COMODO ECC Organization Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	549AB524E886ADECE70BDD96A04B554942C374BE7C29C0EE818B630BDF200EE1	3/13/2014	3/12/2029



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=cPanel Extended Validation ECC Certification Authority OU=Controlled by COMODO exclusively for cPanel, Inc. O=cPanel, Inc. L=Houston ST=TX C=US	DF653085C8ED5F844CBB09161B8AE0BF2F36822F937BF7BB1A689C6FC8BD579A	12/13/2016	12/13/2026
CN=Trustico ECC EV CA OU=Controlled by COMODO exclusively for The Trustico Group Ltd O=The Trustico Group Ltd L=Croydon ST=London C=GB	4D8ED4A3B5F3CF74FEC875E8204212A72197D71DDA3A07AE5FA5BEFEB61EC9C6	9/8/2017	9/8/2027
CN=UbiquiTLS™ DV ECC Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	A9F8D0EC60F72D8AC879F6E3CC380E500098BC0080C07AC539FAE682543FFC02	3/29/2016	3/29/2031
CN=WebNIC ECC Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for WebNIC O=WebNIC (Web Commerce Communications (Singapore) Pte. Ltd.) L=Singapore C=SG	5FA49B36C72D03E42DAA4302500D646C948C87AC36ED30CC3DBDDBBE24C64633	9/23/2019	9/22/2029
CN=COMODO RSA Client Authentication and Secure Email CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	15FAC425AA84404B362FA3489EB67D055D5DA276F8685C4D698DA1830D420F0F	1/10/2013	1/9/2028
CN=COMODO RSA Domain Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	FF201CA12C87A6F0CBA643E9ABB3C954C9155ADD3139B2E2EAED114BF9F75D31	9/25/2014	9/24/2029



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=COMODO RSA Domain Validation Secure Server CA 3 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	9147C38E03B46C8CE5DDDB02CAA2932F1E1675C0A001529138336ED10D99983A	11/26/2014	11/25/2029
CN=COMODO RSA Domain Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	02AB57E4E67A0CB48DD2FF34830E8AC40F4476FB08CA6BE3F5CD846F646840F0	2/12/2014	2/11/2029
CN=COMODO RSA Extended Validation Secure Server CA 2 O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	AB2C93E01CC215807F04CDBFC362808D88940A7B2CEE70238D356D8D94956DF9	11/26/2014	11/25/2029
CN=COMODO RSA Extended Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	7E0E16C0056F41A9F4C61F571503C3BCF079E2BDD8228BF2219AC31200496B5C	2/12/2012	2/11/2027
CN=COMODO RSA Extended Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	CD730E53FE732D8F09D68C2CDBFD1EFD98A855F5E149021C01CB2EEE1D8186E7	2/12/2012	2/11/2027
CN=COMODO RSA Organization Validation Secure Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	111006378AFBE8E99BB02BA87390CA429FCA2773F74D7F7EB5744F5DDF68014B	2/12/2014	2/11/2029



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=cPanel Extended Validation RSA Certification Authority OU=Controlled by COMODO exclusively for cPanel, Inc. O=cPanel, Inc. L=Houston ST=TX C=US	7F07C12FFF4653D6BB65F9CCFD1A0E9EE466884EB077277BB9BB45D76243CC22	12/13/2016	12/13/2026
CN=EUNETIC - EuropeanSSL Extended Validation Server CA 2 OU=Controlled by COMODO exclusively for EUNETIC GmbH O=EUNETIC GmbH L=Durmersheim ST=Baden-Württemberg C=DE	8B25579491F85CF577EC2172CFAD2DB24CA2255742E6E5341CF06E2CBEC5D906	10/27/2014	10/26/2024
CN=SSL Blindado EV 2 OU=Certificação Digital OU=Controlled by COMODO exclusively for Site Blindado S.A. O=Site Blindado S.A. L=São Paulo ST=SP C=BR	7CECDAFC6BE618A40F1BAC26462463847412D676A5C6D23899550EE976BE32FE	9/9/2014	9/8/2024
CN=Trustico RSA EV CA OU=Controlled by COMODO exclusively for The Trustico Group Ltd O=The Trustico Group Ltd L=Croydon ST=London C=GB	663A4E658FBBF74FC19B0155F2FACB12CC9B697058F447EF791178FE9B8D073D	9/8/2017	9/8/2027
CN=UbiquiTLS™ DV RSA Server CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	F00322C97B57CEA6D64A6A1D365C6C6B7F0EBA3089876C1430E1063E8A82A676	3/29/2016	3/29/2031



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=WebNIC RSA Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for WebNIC O=WebNIC (Web Commerce Communications (Singapore) Pte. Ltd.) L=Singapore C=SG	198E332F10FA0F58AF083AE964BC6441F06CD0FAD319B1235FE3ED0F7C6EAF93	9/23/2019	9/22/2029
CN=Sectigo Public Server Authentication CA DV E36 O=Sectigo Limited C=GB	873F0BA80E3AC222656DFD04158CC15C2927D42D5D05F01DEE4A47EB43A916DF	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA EV E36 O=Sectigo Limited C=GB	FD917B0D094FAA4DB1BBAF9ED7AC55BE5162D971C227B34E7085CA537A4A4B47	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA OV E36 O=Sectigo Limited C=GB	4102BB08B7EA19E567EB6710384C540AFDAD993AF0D9DFBF91CA6273755B8BA0	3/22/2021	3/21/2036
CN=MarketWare RSA Extended Validation Secure Server CA 3 O=MarketWare - Soluções para Mercados Digitais, Lda. C=PT	95ADC8350E848D9120F77BE7D5FA587508553B651ADA3A42A3F0C8ADC9363DD2	3/16/2024	3/15/2034
CN=Sectigo Public Server Authentication CA DV R36 O=Sectigo Limited C=GB	8C54C334B66BA4E426772AF4A3F9136C19A1AEC729FDB28C535C07A5A4EF22E0	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA EV R36 O=Sectigo Limited C=GB	7A1A24285E25E94DF27CE8B344B1BB6B32F0254FF0D7B5AB6E856AE90CFDE55C	3/22/2021	3/21/2036
CN=Sectigo Public Server Authentication CA OV R36 O=Sectigo Limited C=GB	6542D176BED50F193C0CE297AE44ECD8A0A86BEC2EDE682769344059B4E78530	3/22/2021	3/21/2036
CN=AlpiroSSL ECC EV CA O=Alpiro s.r.o. C=CZ	F82F8B50967C0A52E9D81B79A90FFEB8E515B7814A5E5DE2F26B0F6AF6FE7531	10/6/2020	10/5/2030



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=BitCert ECC Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for BitCert O=成都数证科技有限公司 L=Chengdu ST=Sichuan C=CN	16AD5125A0955AF0264218545E74827E2C39A032D5D0BF665B17C3BF99D23496	6/7/2019	6/6/2029
CN=BlackCert, Inc. ECC EV Certification Authority OU=Controlled by COMODO exclusively for BlackCert, Inc. O=BlackCert, Inc. L=Denver ST=CO C=US	39C79D2A4CFE09C61DE69EC14991D8E95CE7134ECF71EF079900D0AD5478CAD	7/17/2015	7/16/2025
CN=CATrust ECC EV SSL CA O=Zhejiang Xinya Network Technology Co., Ltd. C=CN	898C44BEE78B1634C8D580700A38146B9F5809EB30703422BCB35F404E6A10EC	2/24/2023	2/23/2033
CN=CertAssure ECC EV Secure Server Certification Authority OU=Controlled by COMODO exclusively for CertAssure Inc. O=CertAssure Inc. L=San Jose ST=CA C=US	0BF8D27871A25EFBCC70F56C268C80C42D28C5F1D18A69C0180D989B2B8D671A	10/14/2014	10/13/2024
CN=CertCenter Enterprise ECC EV CA OU=Controlled by COMODO CA exclusively for CertCenter AG O=CertCenter AG L=Giessen ST=Hessen C=DE	7EC8E7AA42195E9A36B858E29669EAA37D57B13AFA2331BDAAE6A1EBF7E46E7E	7/9/2018	7/8/2028
CN=CertCloud ECC EV TLS CA O=CertCloud Pte. Ltd. C=SG	13F7B37CC1F8442A8CE13E7B4422217D8E89957CFEA850C3CBBE75CBE561E774	8/18/2020	8/17/2030
CN=CERTDATA SSL EV ECC CA [Run by the Issuer] O=CERTDATA SERVICOS DE INFORMACAO LTDA C=BR	E1C4B0B5BE92471EEC288DB2AAEC80FBEO65FBAE8C9A9A57698D7BD89F307031	3/5/2020	3/5/2030



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Certera EV SSL CA - ECC O=Certera C=US	6B653BCD7382FE58F746F2FA3B050E8CF6AF355968E1A81753E9A2244460CB03	9/7/2022	9/6/2032
CN=cnTrus EV SSL - ECC O=Zhejiang Huluwa Digital Certification Co., Ltd. C=CN	6F7C6DE02919DFF6F68859E6FB57A02151BBEF7ECFF9A598130496B5A7539	8/24/2022	8/23/2032
CN=cnWebTrust EV CA - ECC O=cnWebTrust Inc C=CN	CE15F4CB63B8945D12D556BD566B40A9A4F62ABD96CD19654AB826541A47584C	6/6/2022	6/5/2032
CN=CTI ECC EV SSL CA O=Centre Testing International Group Co., Ltd. C=CN	C4BAADAF730EFC93441CF184D60951270315B065DD4200D8FA15D349B19469DC	8/2/2023	8/1/2033
CN=DigitalTrust High Assurance CA G3 [Run by the Issuer] O=Digital Trust L.L.C. C=AE	1652C66DB642D0A524BF89FFDF3EED5A8E94B14A6EB07E7A45EA80C54F9E8593	1/8/2020	1/7/2030
CN=DNEncrypt ECC EV SSL/TLS [Run by the Issuer] O=DNEncrypt, Inc C=US	E993AD654D458544BB0E4DA7EC7C5FBA60C464579B1B22C65923DDD14A6780AC	12/19/2019	12/18/2029
CN=DNSPod ECC EV O=DNSPod, Inc. C=CN	1A1D59B3CFDB8423A6E2677EF15D9FC3D0DA9DCCFA637F60EAE6E9B7C887C8FD	4/14/2022	4/13/2032
CN=eMudhra ECC Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for eMudhra Technologies Ltd. O=eMudhra Technologies Limited L=Bengaluru ST=Karnataka C=IN	67BBD91446D3ADEF9B21C0576996DCD8E6668D6B0C133F076B91FA71CEE6B428	5/14/2019	5/13/2029
CN=E-SAFER EXTENDED SSL ECC CA [Run by the Issuer] O=E-SAFER CONSULTORIA EM TECNOLOGIA DA INFORMACAO LTDA C=BR	28BDD80239D2D5607E8DE8F223B5F7069CB8D1A278895D4C4C571E7D0B697663	10/22/2021	10/21/2031



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=FujiSSL ECC Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for Nijimo K.K. O=Nijimo K.K. L=Shibuya-ku ST=Tokyo C=JP	143DFE65832E203E4D28EC30FB60BA73BEE3AEEE308A3F8D194BB61E7D1D9BC0	5/15/2019	5/14/2029
CN=GEANT eScience SSL ECC CA 4 O=GEANT Vereniging C=NL	CAD03A584E58539B89192EC49CEA7A6D8ED7242AD5DCDF83F96D087F09F232DB	2/18/2020	5/1/2033
CN=GEANT EV ECC CA 4 O=GEANT Vereniging C=NL	860F8E4984FCAAAA78C87F0713F203181B57D7B556FED979CE14DCA01FFA4A54	2/18/2020	5/1/2033
CN=GEANT OV ECC CA 4 O=GEANT Vereniging C=NL	083799E8B2B9016E44702EBF9BF369CE253FE1FBEB650E5DF10EF44D87BF3BAE	2/18/2020	5/1/2033
CN=Gehirn Managed Certification Authority - ECC EV OU=Controlled by COMODO CA exclusively for Gehirn Inc. O=Gehirn Inc. L=Chiyoda-ku ST=Tokyo C=JP	5F18390F21490292A095FFF380F2E8927DD3159223A76113EDE357AA2B311C1F	3/16/2018	3/15/2028
CN=GENIOUS ECC Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for Genious Communications O=Genious Communications L=Marrakech ST=Marrakech C=MA	CED406787F36646D897E468B7B8B5DCAE1030C3A75AF1C9B105514B95EC6EA70	5/14/2019	5/13/2029
CN=GeoSSL ECC Extended Validation Secure Server CA O=GeoSSL C=CN	379DE2AA6EF4B17E1E6C0D9626531F792E6595917FB2D28A9E75EAB9ECE9E743	11/11/2022	11/10/2032
CN=Global Trust CA - EV (ECC) O=Global Digital Inc. C=TW	3ADDC98240E21A72D9C40EB5058905AA40EDFA345AEDDE5844CCB0F462D84F7	1/8/2020	1/7/2030



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=GoGetSSL ECC EV CA OU=Controlled by COMODO CA exclusively for GoGetSSL O=GoGetSSL L=Riga C=LV	BA6B9BFBBF9698AF91EB4C693466414181A0002AD528FF154946D586AA5D9445	9/6/2018	9/5/2028
CN=InCommon ECC Server CA OU=InCommon O=Internet2 L=Ann Arbor ST=MI C=US	BDB7AA28F164E4BC15D6920733B223ED98E55220A3E56F3B1ECFD04E87D30B71	12/17/2015	12/16/2025
CN=ISSAuth ECC EV CA O=INTEGRITY Security Services LLC C=US	4687344F4713ABD03DAD9199428C6AD6A5614462AC3BD79FB0F0C1A56F4A2065	9/25/2020	9/25/2030
CN=Omit Security ECC Domain Validation CA O=Omit Security, Inc C=US	56800FDA0D452DBA2972194FF6DE72147D0378887C60248330BB801795C687C6	4/7/2021	4/6/2031
CN=Omit Security ECC Extended Validation CA O=Omit Security, Inc C=US	F1E12C0C4AC7E564A1FF55ECB0BF50BD42AA0C91E17EF24696CA7296807F5C27	4/7/2021	4/6/2031
CN=Omit Security ECC Organization Validation CA O=Omit Security, Inc C=US	7A4E1D1A4C395CE4BA22D980C9A8158A204E83EA47E2A51FF214927DB425A5F3	4/7/2021	4/6/2031
CN=OneSignSSL ECC EV Secure Server CA OU=Controlled by Sectigo exclusively for One Sign Pte. Ltd. O=One Sign Pte. Ltd. L=Singapore ST=Singapore C=SG	BA2959FA448E9802C859F90CB5DAC738EF79DBFCCCD4D407943651F0B0456A13	6/10/2019	6/9/2029
CN=PSW GROUP (ECC) EV CA O=PSW GROUP GmbH & Co. KG C=DE	7194343A3AACDA629A24C50B645F9F0CC4E51942779AA0720276A94F21BF55F6	1/25/2021	12/31/2030
CN=RZTrust ECC EV SSL CA O=Zhongxiong Century Credit Co., Ltd C=CN	581460D695B3807F8711F2778DC22EBDD3B18DDD320DDFC28E3619CB280B0C4	8/2/2023	8/1/2033



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Sectigo ECC Domain Validation Secure Server CA 2 O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	F6722BE44ACDAE5B5A8B3B0B4AF9F4BF5E5FBC3961CF526CBD9769D1C6E14859	12/3/2018	12/31/2030
CN=Sectigo ECC Domain Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	61E97375E9F6DA982FF5C19E2F94E66C4E35B6837CE3B914D2245C7F5F65825F	11/2/2018	12/31/2030
CN=Sectigo ECC Extended Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	1FFECE09682F87024A2A44B2C987B1FCCEE3B2B5CF021EFCF23869224A4CA154	11/2/2018	12/31/2030
CN=Sectigo ECC Organization Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	3457106752400212903A3545CA3B2EF384A456972BD951D8D840C1B0A379EFA1	11/2/2018	12/31/2030
CN=Sectigo Partners - Server Authentication - ECC O=Sectigo Limited C=GB	9C624A017764FCBA36358679804A75CACE95F044F055DFDF02505F3B06017F34	3/20/2020	1/18/2038
CN=Sectigo Public Server Authentication Root E46 O=Sectigo Limited C=GB	EA6B89ED6907A209FF9188676FB164E7ACED894B88996DFBE5CE5BBCC22DE4DDD	3/22/2021	1/18/2038
CN=Site Blindado ECC Extended Validation Secure Server CA 3 O=Site Blindado S.A. C=BR	B1E42ECAECFC4B29408EBA5983DBF3922D39421C43B6A61655B03F9AEBFE4A21	8/2/2023	8/1/2033



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 BD7 1HR, United Kingdom

Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=SSLs.com ECC EV Secure Server CA OU=Controlled by Sectigo exclusively for SSLs.com O=SSLs.com (Namecheap, Inc.) L=Phoenix ST=Arizona C=US	3B8BB7BEE5A4EB21EA8D9279F3F456CAF3B89C56D6DD4C69A3FBD7F9E4ED9CD3	5/14/2019	5/13/2029
CN=sslTrus (ECC) EV CA O=sslTrus (上海锐成信息科技有限公司) C=CN	36BA70BAAEDF637B4C16B54651AEC36059DAF64DCF6CAE0D94CB88C2CB4C2702	1/1/2021	12/31/2030
CN=TrustAsia ECC EV TLS CA G3 O=TrustAsia Technologies, Inc. C=CN	A7C081E1F8D6C80C4F3DAE57DEF94D11AB2D6A6439F98775E010022A90D6D1E6	4/20/2022	4/19/2032
CN=TrustOcean EV SSL CA - ECC - 2019 OU=ECC Extended Validation Secure Server - 2019 OU=Controlled by Sectigo exclusively for TrustOcean Ltd. O=TrustOcean Ltd. L=Denver ST=CO C=US	634C08422C1041D0B43998F87209DFCADF802D17982A4188364610E3B27022E6	1/29/2019	1/28/2029
CN=TrustSign ECC EV CA OU=Controlled by Sectigo exclusively for Ziwit O=Ziwit L=Montpellier ST=Herault C=FR	025764E6E19D90BC6CC70669445593D53FC0D9836F7B9428036208610B539943	12/3/2018	12/2/2028
CN=USERTrust ECC Domain Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	72956A1C5AA5D91AC69CD63107A25AA1843819DDC21C5108EC1D97F3229603CE	8/22/2014	8/21/2029
CN=USERTrust ECC Extended Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	E81443141E3C1232D06465E11BBD1F6CA7181A3E037F815BB8FAAEADE6BEBED1	4/15/2013	4/14/2028



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=USERTrust ECC Organization Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	46D3B50FEDCF8C36B5F672239CC3A2E9E02ED15F33CBDC0C262A8647849403F4	8/22/2014	8/21/2029
CN=Valid Certificadora ECC EV SSL CA O=Valid Certificadora Digital LTDA C=BR	39118A120E7D36886AE632F6166B259EA9575EF1D09A4CBEC0E17D836C30DB05	8/2/2023	8/1/2033
CN=Verkey High Assurance Business (ECC) O=Verkey C=AU	82A1BBA2EBFEAEAE6C9D34E841A1A896377FE2D037DCA8A9DEFF7D38070398D6	6/25/2021	6/24/2031
CN=XinChaCha Trust EV CA - ECC O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	6A0B7E50404712521760A30BF44270EEAC8A602FE97AC36EAE93A72FB3EA379	8/24/2022	8/23/2032
CN=XinNet ECC EV O=Xin Net Technology Corp. C=CN	1221AAB60379E9FE79909AA108DC1C2D3FC312F671CB4BCDE01C4E67D7E7C08C	8/26/2022	8/25/2032
CN=ZDNS ECC EV SSL CA O=互联网域名系统北京市工程研究中心有限公司 C=CN	F8E11AB7F833BBE93BD13BBED3E30A3EABA9E34A4510E344ABC93404C26D1801	10/26/2023	10/25/2033
CN=ZeroSSL ECC EV Secure Site CA O=ZeroSSL C=AT	D24195C61F9CDA8562CD75E95565197097BD74DFC07CE2D1DF41488B699DC5E9	1/30/2020	1/29/2030
CN=ZoTrus ECC EV SSL CA O=ZoTrus Technology Limited C=CN	4F4D8CF5E75FF7ADDF677A026A0EFDB243C202DE4D7F446040E5CBEA2CE03D54	1/11/2022	1/10/2032
CN=ZwTrus ECC EV SSL CA O=北京中万网络科技有限公司 C=CN	F6BE748B438846F3F520190836F17527EEC709DBA71C9B32F81968ECC0254757	6/6/2022	6/5/2032
CN=时代互联 ECC EV SSL CA O=广东时代互联科技有限公司 C=CN	ABDCE06D6612F3D88765CD579F684F8F2825B24C483121D4AF0A6DB38FDCAF44	8/2/2023	8/1/2033
CN=纳网 ECC Extended Validation Secure Server CA O=厦门纳网科技股份有限公司 C=CN	E7DB0014494048F226A673C28B725E8DDB9CCD4867A8552D7AE85C2523BD2655	5/20/2023	5/19/2033



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=AlproSSL RSA EV CA O=Alpro s.r.o. C=CZ	3ED13F9D19E56F5BA1492385CA813F7DD63BBEB3CF5C56DB5C309CF4EAA90171	10/6/2020	10/5/2030
CN=Baidu, Inc. DV CA O=Baidu, Inc. C=CN	EA423F1B3B1B529D1C7DB9A21AF87DC78DE7259555E298BA26C63CF1275A912C	4/1/2020	4/1/2030
CN=Baidu, Inc. EV CA O=Baidu, Inc. C=CN	C30BC9667E273937833C396AD85EE325DE633F4FCCC51483417A9C8A4E33B39D	4/1/2020	4/1/2030
CN=Baidu, Inc. OV CA O=Baidu, Inc. C=CN	4B704CDA80E244D4186844F0EF242B70C4B1AB4D8D8961568F28E12C89784F23	4/1/2020	4/1/2030
CN=BitCert RSA Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for BitCert O=成都数证科技有限公司 L=Chengdu ST=Sichuan C=CN	62DDCF A05A63ACFB7C2070A435263F226BF2039FC11D1CCFC736792E4466983B	6/7/2019	6/6/2029
CN=BlackCert, Inc. RSA EV Certification Authority OU=Controlled by COMODO exclusively for BlackCert, Inc. O=BlackCert, Inc. L=Denver ST=CO C=US	EBE0015EF641C480954ED2A68842FCCD2A8A79213AEED836DDFA6282E8EA8F6A	7/17/2015	7/16/2025
CN=CATrust RSA EV SSL CA O=Zhejiang Xinya Network Technology Co., Ltd. C=CN	26E1E17B579F51DE03204521B6D67323C97B0F351E9923C5AA8E7F333F9AB48E	2/24/2023	2/23/2033
CN=CerSign EV SSL CA O=CerSign Technology Limited C=CN	7F55276114DD8965DBA5B10819FDE121C20B11C8484977FA38814423AE82AC0A	9/13/2021	9/12/2031



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=CertAssure RSA EV Secure Server Certification Authority OU=Controlled by COMODO exclusively for CertAssure Inc. O=CertAssure Inc. L=San Jose ST=CA C=US	04C406F14805239AD9AA730E40430984250626372304F78883C8B2EEC4E1F0EC	10/14/2014	10/13/2024
CN=CertCenter Enterprise RSA EV CA OU=Controlled by COMODO CA exclusively for CertCenter AG O=CertCenter AG L=Giessen ST=Hessen C=DE	EF5663142F5B2D6B8274529B157DF2F965A71873A5AE5AA5E0720244F2398B6F	7/9/2018	7/8/2028
CN=CertCloud RSA EV TLS CA O=CertCloud Pte. Ltd. C=SG	208388EBF99B12188852F11DD794667B5E3995A2767ADB255E9B8F5D4CF50576	8/18/2020	8/17/2030
CN=CERTDATA SSL EV CA [Run by the Issuer] O=CERTDATA SERVICOS DE INFORMACAO LTDA C=BR	BA799F322591DD7D35DBC58F4820725F094F543AA13CB458C55C91DC86BE22FF	3/5/2020	3/5/2030
CN=Certera EV SSL CA O=Certera C=US	C8B068C2BAAD86629F5E86290106080CDDFF8E6FCDA8C41E463A2AC4AE1C4435	9/7/2022	9/6/2032
CN=CloudSecure RSA Extended Validation Secure Server CA 2 O=CloudSecure Corporation C=JP	E9B9980C8A3F593F4D9E7DA3F497AFF8FB66E242C6CBA0D730E206559513FA5D	1/31/2024	1/30/2034
CN=cnTrus EV SSL CA O=Zhejiang Huluwa Digital Certification Co., Ltd. C=CN	02CE16235A88B97D61A7C16FF5146E4F7BA580881ADC22650033698B4912C939	8/24/2022	8/23/2032
CN=cnWebTrust EV CA O=cnWebTrust Inc C=CN	697854EB0E9A4779E62ACA1247F58796CC534D549AAFE61D1EFB8A969724F458	6/6/2022	6/5/2032
CN=CTI RSA EV SSL CA O=Centre Testing International Group Co., Ltd. C=CN	B38BFDEBCEAB7AD72FA656806D7BC9888D59BF116398E596E13C9B66EE070400	8/2/2023	8/1/2033



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=DigitalTrust High Assurance CA G4 [Run by the Issuer] O=Digital Trust L.L.C. C=AE	969E3200520EB2C69A9667587E6DD4D0B23F28F510CC1317670A8ED3613EBEAD	1/8/2020	1/7/2030
CN=DNEncrypt SHA2 EV SSL/TLS [Run by the Issuer] O=DNEncrypt, Inc C=US	885E8E1DCAD07714F3BA2CAC9ADBF68711FB2E563683FC4E334CF924D97CC245	12/19/2019	12/18/2029
CN=DNSPod RSA EV O=DNSPod, Inc. C=CN	45580380E4BC0D9728C9F3098AD7B60AB27212D0FF142020C5230891AB8471BE	4/14/2022	4/13/2032
CN=DOMENY SSL DV Certification Authority O=DOMENY.PL sp. z o.o L=Kraków ST=Matopolskie C=PL	194CC2B5B06493C0EF0B0A9FA8376F958BE242A274ADA974ACBC9102336878DC	12/2/2014	12/1/2024
CN=DOMENY SSL EV Certification Authority OU=Controlled by COMODO exclusively for DOMENY.PL sp. z o.o O=DOMENY.PL sp. z o.o L=Kraków ST=Matopolskie C=PL	21EE6D4F5FEE485AC7A035F1D65DE2FC4DD0ED2897ACDC2A3B679C04D4599AE8	12/2/2014	12/1/2024
CN=DOMENY SSL OV Certification Authority O=DOMENY.PL sp. z o.o L=Kraków ST=Matopolskie C=PL	9B22E7FA08D3F8C6D6E9F420D8F756C79135E66D1B2D70B07903721F03DBE5B6	12/2/2014	12/1/2024
CN=Don Dominio / MrDomain RSA EV CA OU=Controlled by COMODO CA for Soluciones Corporativas IP, SL O=Soluciones Corporativas IP, SL L=Manacor ST=Illes Balears C=ES	7E9DDE11F7566B0FAC6228A00905A84E6360E9501A701B3E7FC832EA3B9FDA78	2/16/2018	2/16/2028



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=eMudhra RSA Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for eMudhra Technologies Ltd. O=eMudhra Technologies Limited L=Bengaluru ST=Karnataka C=IN	45C28BE4342F072CD6219698C3EF2AC6DBA73F19E04DACF2044D2F6993E342B4	5/14/2019	5/13/2029
CN=E-SAFER EXTENDED SSL CA [Run by the Issuer] O=E-SAFER CONSULTORIA EM TECNOLOGIA DA INFORMACAO LTDA C=BR	E20DFF26F3C3963F3700BF2E108F1F9E9DEE259C24F8AFD0DBBB6FCD9A1BC59A	10/22/2021	10/21/2031
CN=EUNETIC RSA Extended Validation Secure Server CA 3 O=EUNETIC GmbH C=DE	485475C78CFCFC8E7D1BF4DFF9A6C48A24E487A0FA0016E5C23676998C30DACF	8/2/2023	8/1/2033
CN=FujiSSL SHA2 Extended Validation Secure Site CA OU=Controlled by Sectigo exclusively for Nijimo K.K. O=Nijimo K.K. L=Shibuya-ku ST=Tokyo C=JP	E7FBD2DA86DE31AE7FE051C643FC45D31E67454B2A5CD8E43C6D656723AE8CEA	5/15/2019	5/14/2029
CN=GEANT eScience SSL CA 4 O=GEANT Vereniging C=NL	277F0FCA263E12856DBAA4DD0ADF04204F7F98CFD72CE9C93807E377E34C8876	2/18/2020	5/1/2033
CN=GEANT EV RSA CA 4 O=GEANT Vereniging C=NL	DBAC2FAE4F8C949B1A30CF871EAB58957F6420B797A5125506B8CEDD48F5D784	2/18/2020	5/1/2033
CN=GEANT OV RSA CA 4 O=GEANT Vereniging C=NL	37834FA5EA40FBF7B61196955962E1CA0558872435E4206653D3F620DD8E988E	2/18/2020	5/1/2033
CN=Gehirn Managed Certification Authority - RSA EV OU=Controlled by COMODO CA exclusively for Gehirn Inc. O=Gehirn Inc. L=Chiyoda-ku ST=Tokyo C=JP	96DC615D1F3DD9002EE5E628B2801EED07B91F0E45ACADEE76BC613DA06CBD	3/16/2018	3/15/2028



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=GENIOUS RSA Extended Validation Secure Server CA OU=Controlled by Sectigo exclusively for Genious Communications O=Genious Communications L=Marrakech ST=Marrakech C=MA	D8E18A65AF78454854CAA28FB2F5E79B57EC141F010423BCC8A71ABFC0496C2C	5/14/2019	5/13/2029
CN=GeoSSL RSA Extended Validation Secure Server CA O=GeoSSL C=CN	8D53E2A477A52C38D07BAFFDFB7179592A344DCB8ECB75E1AF8963C9A2FE9C83	11/11/2022	11/10/2032
CN=Global Trust CA - EV (RSA) O=Global Digital Inc. C=TW	EB14470371B092ED20801E21EA396539B4E428C1708AB8C9B7068342399D3C81	1/8/2020	1/7/2030
CN=GlobeSSL EV CA O=CentralNic Luxembourg Sàrl C=LU	0EE00290C8A71D985E38BEB84ECAC9D029B55967119D47CBCBE347F164DF4B4A	3/5/2020	3/5/2030
CN=GlobeSSL EV Certification Authority 2 OU=Controlled by COMODO exclusively for Globe Hosting, Inc. O=Globe Hosting, Inc. L=Wilmington ST=DE C=US	3FBAA0AA49FBDE1C814CA830878ED03C7D24323F63483E52DEE8FF42C153C234F	2/4/2015	2/3/2025
CN=GoGetSSL RSA EV CA OU=Controlled by COMODO CA exclusively for GoGetSSL O=GoGetSSL L=Riga C=LV	91A321AD7FD3C9781214D76F5E28EB0D31AC86697EDF700E9AF94C7485F5B521	9/6/2018	9/5/2028
CN=InCommon RSA Server CA OU=InCommon O=Internet2 L=Ann Arbor ST=MI C=US	B1774F9B26B4E2D5F751713600FFEB163B34CB7A14C2C079704E95364FBCCA49	9/19/2014	9/18/2024



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=InCommon RSA Server CA OU=InCommon O=Internet2 L=Ann Arbor ST=MI C=US	0A05C462756390DD1F1D5DD82794C300F04BE789DCE76D7E312F790D68FD385A	10/6/2014	10/5/2024
CN=ISSAuth RSA EV CA O=INTEGRITY Security Services LLC C=US	0E34CC35F66DE0C06E1D901E2580961542EC2E2FAB1757837D09CFE36547966C	9/25/2020	9/25/2030
CN=MarketWare - Soluções para Mercados Digitais, Lda. RSA EV CA OU=Controlled by COMODO exclusively for MarketWare O=MarketWare - Soluções para Mercados Digitais, Lda. L=Lisboa ST=Lisboa C=PT	4B2B72BA0BE27A63478C273A0C5B52F69B89E3699AAD4F3A1A0EAFE66B995265	11/11/2015	11/10/2025
CN=Network Solutions EV Server CA 3 O=Network Solutions L.L.C. C=US	E3F355BB5EC113CFDC5E1CD2340C65C26DF4C69879FEF980036ECF42FD099372	10/15/2021	10/14/2031
CN=Omit Security RSA Domain Validation CA O=Omit Security, Inc C=US	5AABFFECD4AAAD9FAC8AA5EB5301B5BEB1710C865416A247C73DB52DAD5FB24C	4/7/2021	4/6/2031
CN=Omit Security RSA Extended Validation CA O=Omit Security, Inc C=US	FB8CC8C2ED1B384DE459F217D54D3CCCF0890EC58AA9D97C128EA3218A426325	4/7/2021	4/6/2031
CN=Omit Security RSA Organization Validation CA O=Omit Security, Inc C=US	979F6084B788F6D102C978D9EF1DA4CCC9165C36981A2A1A3CE3F450EE4880E0	4/7/2021	4/6/2031
CN=OneSignSSL RSA EV Secure Server CA OU=Controlled by Sectigo exclusively for One Sign Pte. Ltd. O=One Sign Pte. Ltd. L=Singapore ST=Singapore C=SG	9B53F69D8447B01B01E4565B853E288B6CB82291DA82A5B41BBC15C2F3AD6548	6/10/2019	6/9/2029
CN=Positiwise EV SSL CA O=Positiwise Software LLC C=US	FCAC624D61B2933A76E4B83EFDBE96A3EA5DADD03D0C9A74D1347E1D230DE4DE	8/3/2022	8/2/2032



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=PSW GROUP (RSA) EV CA O=PSW GROUP GmbH & Co. KG C=DE	449910A3F4AAA81DAEED14A01CF87F324FE880A879DDF7828E55C477589620AE	1/25/2021	12/31/2030
CN=RZTrust RSA EV SSL CA O=Zhongxiong Century Credit Co., Ltd C=CN	5508453C2069CCE80DCDD140726D097DEB08CEE0C9B3567863D2B516A235D666	8/2/2023	8/1/2033
CN=Sectigo Partners - Server Authentication - RSA O=Sectigo Limited C=GB	05FFC64B8FC53B79F5B9C62961EBCCACBA1931D50F34D014E929EB002B5BD832	3/20/2020	1/18/2038
CN=Sectigo Public Server Authentication Root R46 O=Sectigo Limited C=GB	92F351BF3D54164DFA8DD8F9E1139D3150349786485D2B9EECD00E2971C1E6C5	3/22/2021	1/18/2038
CN=Sectigo RSA Domain Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	7FA4FF68EC04A99D7528D5085F94907F4D1DD1C5381BACDC832ED5C960214676	11/2/2018	12/31/2030
CN=Sectigo RSA Extended Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	57D8BDCD58955A5590A57C6AAFA581ED9B96BED76FAFEE969B139187C5A872C7	11/2/2018	12/31/2030
CN=Sectigo RSA Organization Validation Secure Server CA O=Sectigo Limited L=Salford ST=Greater Manchester C=GB	72A34AC2B424AED3F6B0B04755B88CC027DCCC806FDDB22B4CD7C47773973EC0	11/2/2018	12/31/2030
CN=SecureCore RSA EV CA OU=Controlled by COMODO exclusively for SecureCore O=SecureCore L=OSAKA ST=OSAKA C=JP	F8132A3B1D19025C5E6EB3C1B76B534658C11A5BE69044E9D4447B579463BB45	2/27/2015	2/26/2025



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Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=Site Blindado RSA Extended Validation Secure Server CA 3 O=Site Blindado S.A. C=BR	1B52EDB396EA4E3CC986A7DD3E107ED2A070205A24A4A9849A18820900C8BAF1	8/2/2023	8/1/2033
CN=SSL.com Premium EV CA OU=www.ssl.com OU=Controlled by COMODO exclusively for SSL.com O=SSL.com C=US	3ABD349D7FE14305E695241234F9FF94AE821ADF4467BC1607A13E112F5EA767	7/4/2014	7/3/2024
CN=SSLs.com RSA EV Secure Server CA OU=Controlled by Sectigo exclusively for SSLs.com O=SSLs.com (Namecheap, Inc.) L=Phoenix ST=Arizona C=US	08928092365931619759F2B8B44ED2ABC030D8AF6C3C3149FBCB07C78A96CE36	5/14/2019	5/13/2029
CN=sslTrus (RSA) EV CA O=sslTrus (上海锐成信息科技有限公司) C=CN	E755AE9C42C1315F27DCD06451C6ABE0BC6AAD6EDDC2E5635CFC4918192D344C	1/1/2021	12/31/2030
CN=TI Trust Technologies EV CA OU=Controlled by Sectigo exclusively for TI Trust Technologies O=Telecom Italia Trust Technologies S.R.L. L=Pomezia ST=Roma C=IT	C2DFFB3C1BB06DE4C10926E517FF366F93892D5E02DC6F79080275DB57FD6FC8	7/30/2019	7/29/2029
CN=TrustAsia RSA EV SSL Server CA OU=Controlled by COMODO exclusively for TrustAsia Technologies O=TrustAsia Technologies, Inc. ST=Shanghai C=CN	8CD953C506228BF1D74D6062E91E7E0873EAE8BB19FBF200ACADC23830006B83	3/11/2015	3/10/2025
CN=TrustAsia RSA EV TLS CA G3 O=TrustAsia Technologies, Inc. C=CN	DE9D075656763AE7086373EB90126EC240E4E08089B61C3C9A1B025CB6F411C3	4/20/2022	4/19/2032



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 BD7 1HR, United Kingdom

Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=TrustOcean EV SSL CA - RSA - 2019 OU=RSA Extended Validation Secure Server - 2019 OU=Controlled by Sectigo exclusively for TrustOcean Ltd. O=TrustOcean Ltd. L=Denver ST=CO C=US	3131FFDBD967D7CD1D77742AF9772F1051FF4C9AE413759F434FE1E811119E03	1/29/2019	1/28/2029
CN=TrustSign BR Certification Authority (EV) 2 OU=Controlled by COMODO for TrustSign Certificadora Digital O=TrustSign Certificadora Dig. & Soluções Segurança da Inf. Ltda. L=São José dos Campos ST=São Paulo C=BR	769F6FF09A7462AC27A6E82DE770013D3C02133AFDDBE581AEFCCA1B0A029180	1/15/2015	1/14/2025
CN=TrustSign BR RSA EV SSL CA 3 O=TrustSign Certificadora Dig. & Solucoes Segurança da Inf. Ltda. C=BR	A021D8E774C6A33C736BDB5C176925ADDF446C99679BCDCD82E5BD2EA5FE444D	1/31/2024	1/30/2034
CN=TrustSign RSA EV CA OU=Controlled by Sectigo exclusively for Ziwit O=Ziwit L=Montpellier ST=Herault C=FR	BAC4F03DC635BD AE067F7BFE77AB06D88B5BA4668B0F46157E53D6CA9310077F	12/3/2018	12/2/2028
CN=USERTrust RSA Domain Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	6EE065AF58B7043CB2372FC6639E3486304FCD094D9CB6838D76A88CE20C30DD	8/22/2014	8/21/2029
CN=USERTrust RSA Extended Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	125A5FD7C640D5E59F5CE5763CD8C932F5E597DDDC4EAF1D59667CF4B556A237	2/12/2012	2/11/2027



Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=USERTrust RSA Extended Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	5367692ECE62B758D04D9B7E6DFB0DB307F859EBC6A6CB5F77FF24561D7CC004	2/12/2012	2/11/2027
CN=USERTrust RSA Organization Validation Secure Server CA O=The USERTRUST Network L=Jersey City ST=New Jersey C=US	2E4A61E5238E556E8CEDBCC0B4F3DE2178245664A0BE195B3855B4C85DBDEEFF	8/22/2014	8/21/2029
CN=Valid Certificadora RSA EV SSL CA O=Valid Certificadora Digital LTDA C=BR	54126BB984B3E3635B91197633ECB4A898AF2FF0781A7F33E9297365DF6B3B0C	8/2/2023	8/1/2033
CN=Verkey High Assurance Business O=Verkey C=AU	D3419986A48765825D13B301547B27DC56A0ECD309198AFE9A7D7FAAD64969AA	6/25/2021	6/24/2031
CN=WoTrus EV Server CA [Run by the Issuer] O=WoTrus CA Limited C=CN	27EFE682C7479C38133A0943666FBC9103FCBB1A919634E439711CBEA7E3CFC7	1/8/2020	1/7/2030
CN=XinChaCha Trust EV CA O=Beijing Xinchacha Credit Management Co., Ltd. C=CN	668FBB257435CF6DC01339AF0B272AD15CF4676776A2861CDAF7B4B598BFF169	8/24/2022	8/23/2032
CN=XinNet RSA EV O=Xin Net Technology Corp. C=CN	B9AF33FA426F2C8B1983856A5F91FC0D28EC930D1419888FC30DF5FB4DE7615F	8/26/2022	8/25/2032
CN=ZDNS RSA EV SSL CA O=互联网域名系统北京市工程研究中心有限公司 C=CN	41C29F80B918EF9605CDDCEBDBDB2683C310C5CF0AA7D8EBF6788393501E90B9	10/26/2023	10/25/2033
CN=ZeroSSL RSA EV Secure Site CA O=ZeroSSL C=AT	3F3B0D6A207C50A5829F1B1FE1C6BC3B66106085774614C12227B766728ED2AE	1/30/2020	1/29/2030
CN=ZoTrus EV SSL CA O=ZoTrus Technology Limited C=CN	ACFCC02431F4CB82F552C43BBDF8FA0214A5315C73B82CAEFAADB104DE251360	9/13/2021	9/12/2031
CN=ZwTrus EV SSL CA O=北京中万网络科技有限责任公司 C=CN	B9B64892D0AD47192C13F15DACCF5BA2041BB39F3041A80FAAAD6FC6C52A8A50	6/6/2022	6/5/2032



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 BD7 1HR, United Kingdom

Subordinate CA Certificates			
Subject DN	SHA-256 Thumbprint	Valid From	Valid To
CN=上海锐成信息科技有限公司 EV CA O=上海锐成信息科技有限公司 C=CN	52B6C4B05B3C521774557CD53EEA5956F36BC94C64B66D99E8A7291FC2FC9C36	6/9/2020	6/9/2030
CN=时代互联 RSA EV SSL CA O=广东时代互联科技有限公司 C=CN	D0E9157456A6E76D99CBD9458447CC32214346A5B6C55854871A005EE6E500F8	8/2/2023	8/1/2033
CN=纳网 RSA Extended Validation Secure Server CA O=厦门纳网科技股份有限公司 C=CN	9B78649DBD76CB5E1BBB4386342E452FC87C99BC711905E5F429126E58006FB6	5/20/2023	5/19/2033
CN=COMODO/HP Secure Email CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	FD029ADE3F7A80A98D6FFFC9429046585EF1D8CB8193A17F6214317D0652D7C3	9/11/2007	12/31/2028
CN=COMODO/PKWARE Secure Email CA O=COMODO CA Limited L=Salford ST=Greater Manchester C=GB	COA1CA36475D33B471E4E58E5574DD9294D354C457295954DB555B24EAD2AA4B	11/13/2007	12/31/2028