



Certificate Authority 信任列表

Cisco 座机 9800 系列和 Cisco Video Phone 8875

首次发布时间：2025 年 1 月 22 日

电话的证书颁发机构取决于电话注册到的呼叫系统和电话上的固件版本。

此文件适用于 PhoneOS 版本 3.3.1，包括两个列表：

- Cisco Unified Communications Manager 上本地电话的信任列表（请参阅第 2-14 页）
- Cisco BroadWorks 或第三方 Open SIP 平台上的多平台电话信任列表（请参阅第 14-27 页）

Cisco Unified Communications Manager 的 CA 信任列表

指纹	主题
554153b13d2cf9ddb753bfbe1a4e0ae08d0aa4187058fe60a2b862b2e4b87bcb	CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS, 2.5.4.97=VATES-Q2826004J, OU=Ceres, O=FNMT-RCM, C=ES
136335439334a7698016a0d324de72284e079d7b5220bb8fbd747816eebebac	CN=Global Chambersign Root - 2008, O=AC Camerfirma S.A., 2.5.4.5=A82743287, L=马德里 (参见 www.camerfirma.com/address 处的当前地址) · C=EU
6e0bff069a26994c15de2c4888cc54af8882e5495b77bf66be9ccffec7489f6	CN=Autoridade Certificadora Raiz Brasileira v10, OU=Instituto Nacional de Tecnologia da Informacao - ITI, O=ICP-Brasil, C=BR
edf7ebbc27a2a384d387b7d4010c666e2edb4843e4c29b4ae1d5b9332e6b24d	CN=Buypass Class 3 Root CA, O=Buypass AS-983163327, C=NO
5a2fc03f0c83b090bbfa40604b0988446c7636183df9846e17101a447fb8efd6	CN=香港邮政根 CA 3, O=香港邮政 · L=香港, ST=香港, C=香港
e793c9b02fd8aa13e21c31228accb08119643b749c898964b1746d46c3d4cbd2	CN=USERTrust RSA Certification Authority, O=The USERTRUST Network, L=泽西市 · ST=新泽西 · C=US
416b1f9e84e74c1d19b23d8d7191c6ad81246e641601f599132729f507beb3cc	CN=GLOBALTRUST 2015, OU=GLOBALTRUST Certification Service, O=e-commerce monitoring GmbH, L=Wien, ST=Wien, C=AT
a040929a02ce53b4acf4f2ffc6981ce4496f755e6d45fe0b2a692bcd52523f36	CN=希腊学术和研究机构 RootCA 2015, O=希腊学术和研究机构证书权威 · L=雅典, C=GR
8d25cd97229dbf70356bda4eb3cc734031e24cf00fafcfd32dc76eb5841c7ea8	CN=GTS Root R2, O=Google Trust Services LLC, C=US
f4336bc2ac75950becc1c1f2f9da6dddafd1f41161ca71f59c76889bd474033	CN=ANCERT Certificados CGN V2, O=Agencia Notarial de Certificacion S.L.U. - CIF B83395988, C=ES
4ff460d54b9c86dabfbcfc5712e0400d2bed3fbc4d4fbdad86e06adcd2a9ad7a	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=泽西城 · ST=新泽西 · C=US
647987d98d52645da4d3de3b80771a0ce02b9b9285e6e86999882170744ec9aa	CN=Entrust 4K EV TLS Root CA - 2022, O=Entrust\, Inc., C=US
8faf7d2e2cb4709bb8e0b33666bf75a5dd45b5de480f8ea8d4bfe6bebc17f2ed	CN=SSL.com TLS RSA 根 CA 2022, O=SSL 公司, C=US
5c58468d55f58e497e743982d2b50010b6d165374acf83a7d4a32db768c4408e	CN=Certum Trusted Network CA, OU=Certum Certification Authority, O=Unizeto Technologies S.A., C=PL
f356bea244b7a91eb35d53ca9ad7864ace018e2d35d5f8f96ddf68a6f41aa474	C=DE, O=Atos, CN=Atos TrustedRoot 2011

指纹	主题
d3ed3fc40ad26b52e001e1e18f4b9449529deb75a81d5eb680d7b62db23ba96d	CN=DVV Gov. Root CA - G3 RSA, OU=Varmennepalvelut, OU=Certification Authority Services, O=Digi- ja vaestotietovirasto CA, C=FI
34bb34e14faed0d3392f2fc441c0ecd5fd88ad88118df2d1ba76cdec1eea10b8	OU=Saudi National Root CA, O=National Center for Digital Certification, C=SA
bfd88fe1101c41ae3e801bf8be56350ee9bad1a6b9bd515edc5c6d5b8711ac44	CN=TWCA 根证书颁发机构 · OU=Root CA, O=TAIWAN-CA, C=TW
15d5b8774619ea7d54ce1ca6d0b0c403e037a917f131e8a04e1e6b7a71babce5	CN=GTS Root R3, O=Google Trust Services LLC, C=US
44b545aa8a25e65a73ca15dc27fc36d24c1cb9953a066539b11582dc487b4833	CN=希腊学术和研究机构 ECC RootCA 2015, O=希腊学术和研究机构证书权威 · L=雅典, C=GR
db3517d1f6732a2d5ab97c533ec70779ee3270a62fb4ac4238372460e6f01e88	CN=Entrust Root Certification Authority - G4, OU= (c) 2015 Entrust\, Inc. - 仅供授权使用 · OU=请参见 www.entrust.net/legal-terms,O=Entrust\, Inc., C=US
c0a6f4dc63a24bfdcf54ef2a6a082a0a72de35803e2ff5ff527ae5d87206dfd5	OU=ePKI 根证书颁发机构 · O=中华电信有限公司 · C=TW
efc65cadbb59adb6efe84da22311b35624b71b3b1ea0da8b6655174ec8978646	CN=Telekom Security TLS RSA Root 2023, O=Deutsche Telekom Security GmbH, C=DE
88497f01602f3154246ae28c4d5aef10f1d87ebb76626f4ae0b7f95ba7968799	CN=EC-ACC, OU=Jerarquia Entitats de Certificacio Catalanes, OU=Vegeu https://www.catcert.net/verarrel (c) 03, OU=Serveis Publics de Certificacio, O=Agencia Catalana de Certificacio (NIF Q-0801176-I) , C=ES
568d6905a2c88708a4b3025190edcfedb1974a606a13c6e5290fcb2ae63edab5	CN=Starfield Services Root Certificate Authority - G2, O=Starfield Technologies\, Inc., L=Scottsdale, ST=Arizona, C=US
85666a562ee0be5ce925c1d8890a6f76a87ec16d4d7d5f29ea7419cf20123b69	CN=SSL.com 根证书颁发机构 RSA, O=SSL Corporation, L=Houston, ST=Texas, C=US
cbb522d7b7f127ad6a0113865bdf1cd4102e7d0759af635a7cf4720dc963c53b	CN=GlobalSign, O=GlobalSign, OU=GlobalSign Root CA - R3
2e7bf16cc22485a7bbe2aa8696750761b0ae39be3b2fe9d0cc6d4ef73491425c	CN=SSL.com EV 根证书颁发机构 RSA R2, O=SSL Corporation, L=Houston, ST=Texas, C=US
179fbc148a3dd00fd24ea13458cc43bfa7f59c8182d783a513f6ebec100c8924	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R5
24a55c2ab051442d0617766541239a4ad032d7c55175aa34ffde2fbc4f5c5294	CN=Security Communication RootCA3, O=SECOM Trust Systems Co., Ltd., C=JP
1a0d20445de5ba1862d19ef880858cbce50102b36e8f0a040c3c69e74522fe6e	CN=COMODO 认证机构 · O=COMODO CA Limited, L=索尔福德, ST=大曼彻斯特 · C=GB

指纹	主题
22a2c1f7bded704cc1e701b5f408c310880fe956b5de2a4a44f99c873a25a7c8	CN=SSL.com EV 根证书颁发机构 ECC, O=SSL Corporation, L=休斯顿 · ST=德克萨斯州 · C=US
96BCEC06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6	CN=ISRG 根 X1, O=互联网安全研究组 · C=美国
45140b3247eb9cc8c5b4f0d7b53091f73292089e6e5a63e2749dd3aca9198eda	CN=Go Daddy Root Certificate Authority - G2, O=GoDaddy.com\, Inc., L=Scottsdale, ST=Arizona, C=US
FAD540811afae0dc767cdf6572a088fa3ce8493dd82b3b869a67d10aab4e8124	CN=SI-TRUST Root, 2.5.4.97=VATSI-17659957, O=Republika Slovenija, C=SI
08170d1aa36453901a2f959245e347db0c8d37abaabc56b81aa100dc958970db	CN=D-TRUST EV Root CA 1 2020, O=D-Trust GmbH, C=DE
0c2cd63df7806fa399ede809116b575bf87989f06518f9808c860503178baf66	CN=COMODO 认证机构 · O=COMODO CA Limited, L=索尔福德, ST=大曼彻斯特 · C=GB
bd71FDF6da97e4cf62d1647add2581b07d79adf8397eb4ecba9c5e8488821423	CN=AffirmTrust Premium ECC, O=AffirmTrust, C=US
BEB00B30839B9BC32C32E4447905950641f26421b15ed089198b518ae2ea1b99	CN=e-Szigno Root CA 2017,2.5.4.97=VATHU-23584497, O=Microsec Ltd., L=Budapest, C=胡
ebd41040e4bb3ec742c9e381d31ef2a41a48b6685c96e7cef3c1df6cd4331c99	CN=GlobalSign Root CA, OU=Root CA, O=GlobalSign nv-sa, C=BE
5546a52504fba74f61ffd4890067529ade3b9c9d07e502592831ccda9b369fd3	CN=DVV Gov. Root CA - G3 ECC, OU=Varmennepalvelut, OU=Certification Authority Services, O=Digi- ja vaestotietovirasto CA, C=FI
d649c40830aab9869f2536FF933C4050746659b31dfa735405e4f7ad447c20d5	CN=Cisco 基本保障根 CA 2099, O=Cisco
2a8da2f8d23e0cd3b5871ecfb0f42276ca73230667f474eede71c5ee32cc3ec6	CN=泰国国家根证书颁发机构 - G1, OU=泰国国家根证书颁发机构 · O=电子交易发展局 (公共组织) · C=TH
358df39d764af9e1b766e9c972df352ee15cfac227af6ad1d70e8e4a6edcba02	CN=Microsoft ECC Root Certificate Authority 2017, O=Microsoft Corporation, C=US
65353833cf234c79562164f90849c0d104dbabf8ee41064d83e8cbe03ba1c5a5	CN=Netrust Root CA 2, OU=Netrust Certificate Authority, O=Netrust Pte Ltd, C=SG
31ad6648f8104138c738f39ea4320133393e3a18cc02296ef97c2ac9ef6731d0	CN=DigiCert Global Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US
3e9099b5015e8f486c00bcea9d111ee721faba355a89bcf1df69561e3dc6325c	CN=DigiCert Assured ID Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
0da80cc491638f8c756396e0afac16079829fa06697bfe6d7ee93a6a0c9e212d	CN=IT Private Root CA, O=Cisco, OU=Phoenix
2530cc8e98321502bad96f9b1fba1b099e2d299e0f4548bb914f363bc0d4531f	CN=izenpe.com, O=IZENPE S.A., C=ES
3a6308acd77a5a33d8da04d669fa00f8e5ae153f259087678b76bf1654b30a06	CN=Cisco ECC Root CA, O=Cisco

指纹	主题
2ffb7f813bbb3c89ab4e8162d0f16d71509a830cc9d73c262e5140875d1ad4a	CN=CommScope Public Trust ECC Root-02, O=CommScope, C=US
f1b52392c4a4ec2a8709b1308304a911ffcec2ce0b63a94f9e969164567c4925	CN=Cisco 许可根 CA, O=Cisco
71CCA5391f9e794b04802530b363e121da8a3043bb26662fea4dca7fc951a4bd	CN=GTS Root R4, O=Google Trust Services LLC, C=US
f3896f88fe7c0a882766a7fa6ad2749fb57a7f3e98fb769c1fa7b09c2c44d5ae	CN=BJCA 全局根 CA1, O=北京证书颁发机构 · C=CN
4200f5043ac8590ebb527d209ed1503029fcbcd41ca1b506ec27f15ade7dac69	CN=Secure Global CA, O=SecureTrust Corporation, C=US
3f63bb2814be174ec8b6439cf08d6d56f0b7c405883a5648a334424d6b3ec558	CN=TWCA CYBER Root CA, OU=Root CA, O=TAIWAN-CA, C=TW
BEF256daf26E9c69bdec1602359798f3caf71821a03e018257c53c65617f3d4a	CN=FIRMAPROFESIONAL CA ROOT-A WEB, 2.5.4.97=VATES-A62634068, O=Firmaprofesional SA, C=ES
e74fbda55bd564c473a36b441aa799c8a68e077440e8288b9fa1e50e4bbaca11	CN=Security Communication ECC RootCA1, O=SECOM Trust Systems Co., Ltd., C=JP
d7a7a0fb5d7e2731d771e9484ebcdef71d5f0c3e0a2948782bc83ee0ea699ef4	CN=AAA Certificate Services, O=Comodo CA Limited, L=Salford, ST=Greater Manchester, C=GB
242b69742fcb1e5b2abf98898b94572187544e5b4d9911786573621f6a74b82c	CN=Telia Root CA v2, O=Telia Finland Oyj, C=FI
AD016f958050e0e7e46fae7dccc50197ed8e3ff0a4b262e5ddcdb3edddc7d6578	CN=PostSignum Root QCA 2, O=Česká pošta, s.p. [IČ 47114983], C=CZ
BE4b56cb5056c0136a526df444508daa36a0b54f42e4ac38f72af470e479654c	CN=TrustAsia Global Root CA G4, O=TrustAsia Technologies\, Inc., C=CN
6b328085625318aa50d173c98d8bda09d57e27413d114cf787a0f5d06c030cf6	CN=Certum EC-384 CA, OU=Certum Certification Authority, O=Asseco Data Systems S.A., C=PL
7d05ebb682339f8c9451ee094eebfefa7953a114edb2f44949452fab7d2fc185	CN=DigiCert Assured ID Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US
07cd9aa9064a9b94c6aef8fb784c1bbc1beda08acbe86878d781a39167626cf8	CN=Visa Public RSA Root CA, OU=Visa International Service Association, O=VISA, C=US
30fbba2c32238e2a98547af97931e550428b9b3f1c8eeb6633dcfa86c5b27dd3	CN=vTrus ECC Root CA, O=iTrusChina Co., Ltd., C=CN
bc104f15a48be709dca542a7e1d4b9df6f054527e802eaa92d595444258afe71	CN=希腊学术和研究机构 RootCA 2011, O=希腊学术和研究机构证书权威 · C=GR
ef66b0b10a3cdb9f2e3648c76bd2af18ead2bfe6f117655e28c4060da1a3f4c2	CN=E-Tugra Global Root CA RSA v3, OU=E-Tugra Trust Center, O=E-Tugra EBG A.S., L=Ankara, C=TR
2a575471e31340bc21581cbd2cf13e158463203ece94bcf9d3cc196bf09a5472	CN=GTS Root R1, O=Google Trust Services LLC, C=US
018e13f0772532cf809bd1b17281867283fc48c6e13be9c69812854a490c1b05	CN=DigiCert TLS ECC P384 Root G5, O=DigiCert\, Inc., C=US

指纹	主题
6dc47172e01cbbc0bf62580d895fe2b8ac9ad4f873801e0c10b9c837d21eb177	CN=Entrust.net Certification Authority (2048), OU=(c) 1999 Entrust.net Limited, OU=www.entrust.net/CPS_2048 incorp.by ref. (limit liab.), O=Entrust.net
2ce1cb0bf9d2f9e102993fbe215152c3b2dd0cabde1c68e5319b839154dbb7f5	CN=Starfield Root Certificate Authority - G2, O=Starfield Technologies\, Inc., L=Scottsdale, ST=Arizona, C=US
407c276bead2e4af0661ef6697341dec0a1f9434e4eafb2d3d32a90549d9de4a	CN=GPKIRootCA1, OU=GPKI, O=韩国政府 · C=KR
CD85167b3935e27BCC3b0f5fa24c8457882d0bb994f88269a7f72829d957eae9	CN=Cisco Root CA M2, O=Cisco
d48d3d23eedb50a459e55197601c27774b9d7b18c94d5a059511a10250b93168	CN=Certigna Root CA, OU=0002 48146308100036, O=Dhimyotis, C=FR
8f9adb6d895dab5adf5c3d3fab83927be0fb64ef82485c62280d584e8bd55d22	CN=瑞典政府根颁发机构 v3, O=瑞典社会保险局 · C=SE
bfff8FD04433487d6a8aa60c1a29767a9fc2bbb05e420f713a13b992891d3893	CN=GDCA TrustAUTH R5 ROOT, O=广东证书颁发机构有限公司 · C=CN
c32ffd9f46f936d16c3673990959434b9ad60aafbb9e7cf33654f144cc1ba143	CN=SSL.com TLS ECC Root CA 2022, O=SSL Corporation, C=US
88ef81de202eb018452e43f864725cea5fbd1fc2d9d205730709c5d8b8690f46	CN=QuoVadis Root CA 3 G3, O=QuoVadis Limited, C=BM
b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R4
7a38f708a35a31e42e1cf3220f9a2d273e7666354618b2464657d43d8e77adc2	CN=A-Trust-Root-09,OU=A-Trust-Root-09,O=A-Trust GmbH, C=AT
8560f91c3624daba9570b5fea0dbe36ff11a8323be9486854fb3f34a5571198d	CN=OISTE WISEKey Global Root GC CA, OU=OISTE Foundation Endorsed, O=WISEKey, C=CH
9a6ec012e1a7da9dbe34194d478ad7c0db1822fb071df12981496ed104384113	C=ES, O=ACCV, OU=PKIACCV, CN=ACCVRAIZ1
b4585f22e4ac756a4e8612a1361c5d9d031a93fd84febb778fa3068b0fc42dc2	CN=当然根 E1, O=当然, C=US
C2157309d9aee17bf34f4df5e88dbaeba57e0361eb814cbc239f4d54d329a38d	CN=Főtanúsítványkiadó - Kormányzati hitelesítés szolgáltató, O=NISZ nemzeti infokommunikációs szolgáltató zrt., L=Budapest, C=胡
86a1ecba089c4a8d3bbe2734c612ba341d813e043cf9e8a862cd5c57a36bbe6b	CN=emSign ECC Root CA - G3, O=eMudhra Technologies Limited, OU=emSign PKI, C=IN
1793927a0614549789adce2f8f34f7f0b66d0f3ae3a3b84d21ec15dbba4fadc7	CN=COMODO ECC 认证机构 · O=COMODO CA Limited, L=索尔福德, ST=大曼彻斯特 · C=GB
c34c5df53080078ffe45b21a7f600469917204f4f0293f1d7209393e5265c04f	CN=CCA India 2015 SPL, O=印度 PKI, C=IN
a3cc68595dfe7e86d8ad1772a8b5284add54ace3b8a798df47bccafb1fdb84df	CN=热点 2.0 信任根 CA - 03, O=WFA 热点 2.0, C=US
1465fa205397b876faa6f0a9958e5590e40fcc7faa4fb7c2c8677521fb5fb658	OU=Starfield Class 2 Certification Authority, O=Starfield Technologies\, Inc., C=US

指纹	主题
85a0dd7dd720adb7ff05f83d542b209dc7ff4528f7d677b18389fea5e5c49e86	CN=QuoVadis Root CA 2, O=QuoVadis Limited, C=BM
847DF6a78497943f27fc72eb93f9a637320a02b561d0a91b09e87a7807ed7c61	CN=Microsoft Root Certificate Authority 2011, O=Microsoft Corporation, L=Redmond, ST=Washington, C=US
5e3571f33f45a7df1537a68b5ffb9e036af9d2f5bc4c9717130dc43d7175aac7	1.2.840.113549.1.9.1=info@globaltrust.info, CN=GLOBALTRUST, OU=GLOBALTRUST Certification Service, O=ARGE DATEN - Austrian Society for Data Protection, ST=Austria, L=Vienna, C=AT
ebc5570c29018c4d67b1aa127baf12f703b4611ebc17b7dab5573894179b93fa	OU=AC RAIZ FNMT-RCM, O=FNMT-RCM, C=ES
f015ce3cc239bfef064be9f1d2c417e1a0264a0a94be1f0c8d121864eb6949cc	CN=HiPKI Root CA - G1, O=中华电信有限公司 · C=TW
57de0583efd2b26e0361da99da9df4648def7ee8441c3b728afa9bcde0f9b26a	CN=Autoridad de Certificacion Firmaprofesional CIF A62634068, C=ES
9a114025197c5bb95d94e63d55cd43790847b646b23cdf11ada4a00eff15fb48	CN=Buypass Class 2 Root CA, O=Buypass AS-983163327, C=NO
657cfe2fa73faa38462571f332a2363a46fce7020951710702cdfbb6eeda3305	OU=certSIGN ROOT CA G2, O=CERTSIGN SA, C=RO
513b2cecb810d4cde5dd85391adfc6c2dd60d87bb736d2b521484aa47a0ebef6	OU=Security Communication RootCA2, O=SECOM Trust Systems Co., Ltd., C=JP
9BEA11c976fe014764c1be56a6f914b5a560317abd9988393382e5161aa0493c	CN=UCA Global G2 Root, O=UniTrust, C=CN
e0d3226aeb1163c2e48ff9be3b50b4c6431be7bb1eacc5c36b5d5ec509039a08	CN=TrustAsia Global Root CA G3, O=TrustAsia Technologies\, Inc., C=CN
f1c1b50ae5a20dd8030ec9f6bc24823dd367b5255759b4e71b61fce9f7375d73	CN=SecureTrust CA, O=SecureTrust Corporation, C=US
eb7e05aa58e7bd328a282bf8867033f3c035342b516ee85c01673dffffbbfe58	CN=NetLock Platina (Class Platinum) Főtanúsítvány, OU=Tanúsítványkiadók (Certification Services), O=NetLock Kft., L=Budapest, C=胡
34d8a73ee208d9bcdb0d956520934b4e40e69482596e8b6f73c8426b010a6f48	CN=GTS Root R3, O=Google Trust Services LLC, C=US
cbb9c44d84b8043e1050ea31a69f514955d7bfd2e2c6b49301019ad61d9f5058	CN=GlobalSign Root E46, O=GlobalSign nv-sa, C=BE
8ECDe6884F3d87b1125ba31ac3fcb13d7016de7f57cc904fe1cb97c6ae98196e	CN=Amazon Root CA 1, O=Amazon, C=US
3c4fb0b95ab8b30032f432b86f535fe172c185d0fd39865837cf36187fa6f428	CN=Staat der Nederlanden Root CA - G3, O=Staat der Nederlanden, C=NL
ea962c4fa4a6bafbe415196d351ccd888d4f53f3fa8ae6d7c466a94e6042bb	OU=certSIGN ROOT CA, O=CERTSIGN, C=RO
349DFA4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d	CN=GTS Root R4, O=Google Trust Services LLC, C=US
04f1bec36951bc1454a904ce32890c5da3cde1356b7900f6e62dfa2041ebad51	CN=CHAMBERS OF COMMERCE ROOT - 2016, O=AC CAMERFIRMA S.A., 2.5.4.97=VATES-A82743287,2.5.4.5=A82743287, OU=CHAMBERS OF COMMERCE ROOT - 2016, OU=在 www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES 查看当前地址

指纹	主题
7bb647a62aeec88bf257aa522d01ffea395e0ab45c73f93f65654ec38f25a06	CN=Sectigo Public Server Authentication Root R46, O=Sectigo Limited, C=GB
77b82cd8644c4305f7acc5cb156b45675004033d51c60c6202a8e0c33467d3a0	CN=当然根 R1, O=当然, C=US
d95d0e8eda79525bf9beb11b14d2100d3294985f0c62d9fabd9cd999eccb7b1d	CN=HARICA TLS RSA Root CA 2021, O=希腊学术和研究机构 CA, C=GR
371a00dc0533b3721a7eeb40e8419e70799d2b0a0f2c1d80693165f7cec4ad75	CN=DigiCert TLS RSA4096 Root G5, O=DigiCert\, Inc., C=US
41dfd9c52d71f6a2c7f1083aa8f80153ff6ec23349d2599de347adbe423504f3	CN=内部客户根 CA, O=Cisco, OU=Arcturus
ffe943d793424b4f7c440c1c3d648d5363f34b82dc87aa7a9f118fc5dee101f1	CN=CommScope Public Trust RSA Root-02, O=CommScope, C=US
3f034bb5704d44b2d08545a02057de93ebf3905fce721acbc730c06ddaee904e	CN=SecureSign Root CA12, O=Cybertrust Japan Co., Ltd., C=JP
9a296a5182d1d451a2e37f439b74daafa267523329f90f9a0d2007c334e23c9a	CN=GLOBALTRUST 2020, O=电子商务监控有限公司 · C=AT
11437cda7bb45e41365f45b39a38986b0de00def348e0c7bb0873633800bc38b	CN=CommScope Public Trust ECC Root-01, O=CommScope, C=US
125609aa301da0a249b97a8239cb6a34216f44dcac9f3954b14292f2e8c8608f	CN=emSign Root CA - C1, O=eMudhra Inc, OU=emSign PKI, C=US
e6be68ce06fe0da0c140f1aeb00b67b636c5eea9422088929362375ce086db39	CN=Visa Public ECC Root CA, OU=Visa International Service Association, O=VISA, C=US
68ad50909b04363c605ef13581a939ff2c96372e3f12325b0a6861e1d59f6603	CN=Verizon Global Root CA, OU=OmniRoot, O=Verizon Business, C=US
c1d80ce474a51128b77e794a98aa2d62a0225da3f419e5c7ed73dfbf660e7109	CN=GLOBAL CHAMBERSIGN ROOT - 2016, O=AC CAMERFIRMA S.A., 2.5.4.97=VATES-A82743287,2.5.4.5=A82743287, OU=GLOBAL CHAMBERSIGN ROOT - 2016, OU=参见 www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES 处的当前地址
3f99cc474acfce4dfed58794665e478d1547739f2e780f1bb4ca9b133097d401	CN=HARICA TLS ECC Root CA 2021, O=希腊学术和研究机构 CA, C=GR
8fe4fb0af93a4d0d67db0bebb23e37c71bf325dcbcd240ea04daf58b47e1840	CN=QuoVadis Root CA 2 G3, O=QuoVadis Limited, C=BM
8a866fd1b276b57e578e921c65828a2bed58e9f2f288054134b7f1f4bfc9cc74	CN=QuoVadis Root CA 1 G3, O=QuoVadis Limited, C=BM
7e37cb8b4c47090cab36551ba6f45db840680fba166a952db100717f43053fc2	CN=DigiCert Assured ID Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US
铁 7696573855773e37a95e7ad4d9cc96c30157c15d31765ba9b15704e1ae78fd	CN=Certum Trusted Root CA, OU=Certum Certification Authority, O=Asseco Data Systems S.A., C=PL
3417bb06cc6007da1b961c920b8ab4ce3fad820e4aa30b9acbc4a74ebdcebc65	CN=SSL.com 根证书颁发机构 ECC, O=SSL Corporation, L=Houston, ST=Texas, C=US
c45d7bb08e6d7e62e4235110b564e5f78fd92ef058c840aea4e6455d7585c60	CN=GTS Root R2, O=Google Trust Services LLC, C=US
f9a17a00e5c294ba9614a715819af57f3fd48cc413453fbb8a5fc7e97964e2bc	C=CZ, 2.5.4.97=NTRCZ-26439395, O=První certifikační autorita\, a.s., CN=I.CA TLS Root CA/RSA 05/2022

指纹	主题
2a99f5bc1174b73cbb1d620884e01c34e51ccb3978da125f0e33268883bf4158	CN=Certinomis - Root CA, OU=0002 433998903, O=Certinomis, C=FR
e46a392204a8dca342a71c1ca9a60c9185b9a930370120c3b9c7e3856f0d8f3b	CN=DigiCert RSA4096 Root G5, O=DigiCert\, Inc., C=US
d947432abde7b7fa90fc2e6b59101b1280e0e1c7e4e40fa3c6887fff57a7f4cf	CN=GTS Root R1, O=Google Trust Services LLC, C=US
40f6af0346a99aa1cd1d555a4e9cce62c7f9634603ee406615833dc8c8d00367	CN=emSign Root CA - G1, O=eMudhra Technologies Limited, OU=emSign PKI, C=IN
cb3ccbb76031e5e0138f8dd39a23f9de47ffc35e43c1144cea27d46a5ab1cb5f	CN=DigiCert Global Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US
209e956af04df3996507c887d356230d6eb49fdbdd2d8a058ff50b8f0f690aa	CN=Australian Defence Public Root CA, OU=CAs, OU=PKI, OU=DoD, O=GOV, C=AU
c57a3acbe8c06ba1988a83485bf326f2448775379849de01ca43571af357e74b	CN=Visa Information Delivery Root CA, OU=Visa International Service Association, O=VISA, C=US
945bbc825ea554f489d1fd51a73ddf2ea624ac7019a05205225c22a78ccfa8b4	CN=Trustwave Global ECC P256 Certification Authority, O=Trustwave Holdings\, Inc., L=Chicago, ST=Illinois, C=US
7a77c6c61eeeb9aa65c4ea410d65d895b26a81123283009db104b48de80b2479	CN=OATI WebCARES Root CA, O=Open Access Technology International Inc, L=Minneapolis, ST=MN, C=US
3fd4be8baad2f26e1bde06c7584bb720dd1a972d111f5a4999bc44b08fb4960d	CN=Microsoft ECC TS Root Certificate Authority 2018, O=Microsoft Corporation, L=Redmond, ST=Washington, C=US
91e2f5788d5810eba7ba58737de1548a8ecacd014598bc0b143e041b17052552	CN=T-TeleSec GlobalRoot Class 2, OU=T-Systems Trust Center, O=T-Systems Enterprise Services GmbH, C=DE
9ee289cc39971c15e94beb65142d360b5873feb970de1f9fda53ac26d10b25c6	CN=IT Application Root CA, O=Cisco, OU=Pollux
BEC94911C2955676db6c0a550986d76e3ba005667c442c9762b4fbb773de228c	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R4
70a73f7f376b60074248904534b11482d5bf0e698ecc498df52577ebf2e93b9a	CN=AffirmTrust Premium, O=AffirmTrust, C=US
fd73dad31c644ff1b43bef0ccdda96710b9cd9875eca7e31707af3e96d522bbd	CN=T-TeleSec GlobalRoot Class 3, OU=T-Systems Trust Center, O=T-Systems Enterprise Services GmbH, C=DE
97552015f5ddfc3c8788c006944555408894450084f100867086bc1a2bb58dc8	CN=Trustwave Global Certification Authority, O=Trustwave Holdings\, Inc., L=Chicago, ST=Illinois, C=US
552f7bdcf1a7af9e6ce672017f4f12abf77240c78e761ac203d1d9d20ac89988	CN=DigiCert Trusted Root G4, OU=www.digicert.com, O=DigiCert Inc, C=US
41c923866ab4cad6b7ad578081582e020797a6cbdf4fff78ce8396b38937d7f5	CN=OISTE WISEKey Global Root GA CA, OU=OISTE Foundation Endorsed, OU=Copyright (c) 2005, O=WISEKey, C=CH

指纹	主题
CECDDC905099d8dADFC5b1d209b737cbe2c18cfb2c10c0ff0bcf0d3286fc1aa2	CN=XRamp Global Certification Authority, O=XRamp Security Services Inc, OU=www.xrampsecurity.com, C=US
e35d28419ed02025CFA69038cd623962458da5c695fbdea3c22b0bfb25897092	CN=Amazon Root CA 4, O=Amazon, C=US
4be8b5a1c76c6aead0611918fccf9dbd398b67fb12294758bdf994d0f9682f60	CN=ANCERT Certificados Notariales V2, O=Agencia Notarial de Certificacion S.L.U. - CIF B83395988, C=ES
e7e12793643f18bee5b8e53ab5803bb3d59d8e63d14ce6346c004b0dfa34fecc	CN=Cisco Root CA 2099, O=Cisco
d3d607a9ff24a19523b6da9d2c649446f8788cb96d9fd130972e120c13677730	2.5.4.5=NTRCZ-26439395, CN=I.CA Root CA/RSA, O=První certifikační autorita\, a.s., C=CZ
2cabeafe37d06ca22aba7391c0033d25982952c453647349763a3ab5ad6ccf69	CN=GlobalSign, O=GlobalSign, OU=GlobalSign Root CA - R6
DD6936FE21F8F077C123A1A521c12224F72255B73E03A7260693e8a24b0fa389	CN=TeliaSonera Root CA v1, O=TeliaSonera
4b009c1034494f9ab56bba3ba1d62731fc4d20d8955adcec10a925607261e338	CN=SecureSign Root CA14, O=Cybertrust Japan Co., Ltd., C=JP
bc4d809b15189d78db3e1d8cf4f9726a795da1643ca5f1358e1ddb0edc0d7eb3	CN=emSign ECC Root CA - C3, O=eMudhra Inc, OU=emSign PKI, C=US
e59aaa816009c22bff5b25bad37df306f049797c1f81d85ab089e657bd8f0044	CN=D-TRUST BR Root CA 1 2020, O=D-Trust GmbH, C=DE
0a81ec5a929777f145904af38d5d509f66b5e2c58fcd531058b0e17f3f0b41b	CN=AffirmTrust Networking, O=AffirmTrust, C=US
5cc3d78e4e1d5e45547a04e6873e64f90cf9536d1ccc2ef800f355c4c5fd70fd	CN=CFCA EV ROOT, O=中国金融认证中心 · C=CN
69729b8e15a86efc177a57afb7171dfc64add28c2fca8cf1507e34453ccb1470	CN=ISRG Root X2, O=互联网安全研究组 · C=US
dd6c44b39401b053dbe61120748bbb0f6056007665c168e5c286750edc8df129	CN=Entrust 4K TLS Root CA - 2022, O=Entrust\, Inc., C=US
b676f2eddae8775cd36cb0f63cd1d4603961f49e6265ba013a2f0307b6d0b804	CN=Certum Trusted Network CA 2, OU=Certum Certification Authority, O=Unizeto Technologies S.A., C=PL
8a71de6559336f426c26e53880d00d88a18da4c6a91f0dcb6194e206c5c96387	CN=vTrus Root CA, O=iTrusChina Co., Ltd., C=CN
e23d4a036d7b70e9f595b1422079d2b91edfbb1fb651a0633eaa8a9dc5f80703	CN=CA Disig Root R2, O=Disig a.s., L=Bratislava, C=SK
88f438dcf8fd1fa8f429115ffe5f82ae1e06e0c70c375faad717b34a49e7265	CN=NAVER Global Root Certification Authority, O=NAVER Business Platform Corp., C=KR
420332ef876ebe78f2af5d28aaacde24aad0c10f8ffaac469efd7bd941929568	CN=Entrust P384 TLS Root CA - 2022, O=Entrust\, Inc., C=US
d8e0fbc1db2e38d00940f37d27d41344d993e734b99d5656d9778d4d8143624	CN=Certum CA, O=Unizeto Sp. z o.o., C=PL
c90f26f0fb1b4018b22227519b5ca2b53e2ca5b3be5cf18efe1bef47380c5383	CN=Sectigo Public Server Authentication Root E46, O=Sectigo Limited, C=GB
97f654859cbde586fd90311e82ec7902c238cba0d6e529564c9c88f44895ec50	CN=ACA ROOT, O=CONSEJO GENERAL DE LA ABOGACIA, 2.5.4.5=Q2863006I, C=ES

指纹	主题
55903859c8c0c3ebb8759ece4e2557225ff5758bbd38ebd48276601e1bd58097	CN=Trustwave Global ECC P384 Certification Authority, O=Trustwave Holdings\, Inc., L=Chicago, ST=Illinois, C=US
fb8fec759169b9106b1e511644c618c51304373f6c0643088d8beffd1b997599	CN=ANF Secure Server Root CA, OU=ANF CA Raiz, O=ANF Autoridad de Certificacion, C=ES, 2.5.4.5=G63287510
3c5f81fea5fab82c64bfa2eaecafcd8e077fc8620a7cae537163df36edbf378	1.2.840.113549.1.9.1=info@e-szigno.hu, CN=Microsec e-Szigno Root CA 2009, O=Microsec Ltd., L=布达佩斯, C=胡
2e44102ab58cb85419451c8e19d9acf3662cafbc614b6a53960a30f7d0e2eb41	CN=TunTrust Root CA, O=Agence Nationale de Certification Electronique, C=TN
73c176434f1bc6d5adf45b0e76e727287c8de57616c1e6e6141a2b2cbc7d8e4c	CN=Entrust Root Certification Authority, OU= (c) 2006 Entrust\, Inc., OU=www.entrust.net/CPS 通过引用并入 · O=Entrust\, Inc., C=US
574DF6931E278039667b720afdc1600fc27eb66dd3092979fb73856487212882	CN=BJCA 全局根 CA2, O=北京证书颁发机构 · C=CN
02ed0eb28c14da45165c566791700d6451d7fb56f0b2ab1d3b8eb070e56edff5	CN=Entrust Root Certification Authority - EC1, OU= (c) 2012 Entrust\, Inc. - 仅供授权使用 · OU=请参见 www.entrust.net/legal-terms,O=Entrust\, Inc., C=US
6b9c08e86eb0f767cfad65cd98b62149e5494a67f5845e7bd1ed019f27b86bd6	CN=OISTE WISeKey Global Root GB GB, OU=OISTE Foundation Endorsed, O=WISeKey, C=CH
2399561127a57125de8cefea610ddf2fa078b5c8067f4e828290bfb860e84b3c	CN=VeriSign Universal Root Certification Authority, OU= (c) 2008 VeriSign\, Inc. - 仅供授权使用 · OU=VeriSign Trust Network, O=VeriSign\, Inc., C=US
1501f89c5c4dcf36cf588a17c9fd7cfceb9ee01e8729be355e25de80eb6284b4	C=ES, O=EDICOM, CN=CAEDICOM 根
81a9088ea59fb364c548a6f85559099b6f0405efbf18e5324ec9f457ba00112f	C=DE, O=Atos, CN=Atos TrustedRoot Root CA RSA TLS 2021
c741f70f4b2a8d88bf2e71c14122ef53ef10eba0cfa5e64cfa20f418853073e0	CN=Microsoft RSA Root Certificate Authority 2017, O=Microsoft Corporation, C=US
063e4afac491dfd332f3089b8542e94617d893d7fe944e10a7937ee29d9693c0	CN=商会根 - 2008, O=AC Camerfirma S.A., 2.5.4.5=A82743287, L=马德里 (见当前地址 www.camerfirma.com/address) , C=EU
50DF022DFA477185b4032a19196cb9840e29a87298830c5962d23f9b0a07dd5e	CN=Internal Private Root, O=Cisco, OU=Corvus
1e51942b84fd467bf77d1c89da241c04254dc8f3ef4c22451fe7a89978bdcd4f	CN=ePKI 根证书颁发机构 - G2, O=中华电信有限公司 · C=TW

指纹	主题
4fa3126d8d3a11d1c4855a4f807cbad6cf919d3a5a88b03bea2c6372d93c40c9	CN=GlobalSign Root R46, O=GlobalSign nv-sa, C=BE
2605875afcc176b2d66dd66a995d7f8d5ebb86ce120d0e7e9e7c6ef294a27d4c	C=IL, O=ComSign Ltd., CN=ComSign Global Root CA
4348a0e9444c78cb265e058d5e8944b4d84f9662bd26db257f8934a443c70161	CN=DigiCert Global Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
5d56499be4d2e08bcfcad08a3e38723d50503bde706948e42f55603019e528ae	CN=IdenTrust Commercial Root CA 1, O=IdenTrust, C=US
d7ba3f4ff8ad05633451470dda3378a3491b90005e5c687d2b68d53647cfd66	CN=Halcom Root Certificate Authority, 2.5.4.97=VATSI-43353126, O=Halcom d.d., C=SI
e778f0f095fe843729cd1a0082179e5314a9c291442805e1fb1d8fb6b8886c3a	CN=SecureSign Root CA15, O=Cybertrust Japan Co., Ltd., C=JP
5ab4fcbd180b5b6af0d262a2375a2c77d25602015d96648756611e2e78c53ad3	CN=Fina Root CA, O=Financijska agencija, C=HR
229ccc196d32c98421cc119e78486eebef603aed525c6b88b47abb740692b96	CN=Cisco RXC-R2, O=Cisco Systems, C=US
604d32d036895aed3bfefaeb727c009ec0f2b3cdfa42a1c71730e6a72c3be9d4	CN=MULTICERT Root Certification Authority 01, O=MULTICERT - Serviços de Certificação Electrónica S.A., C=PT
52f0e1c4e58ec629291b60317f074671b85d7ea80d5b07273463534b32b40234	CN=COMODO RSA Certification Authority, O=COMODO CA Limited, L=Salford, ST=Greater Manchester, C=GB
43df5774b03e7fef5fe40d931a7bedf1bb2e6b42738c4e6d3841103d3aa7f339	CN=Entrust Root Certification Authority - G2, OU=(c) 2009 Entrust\, Inc. - 仅供授权使用 · OU=请参见 www.entrust.net/legal-terms,O=Entrust\, Inc., C=US
705eaafc3ff488030017d59832603eefad514171b583808675f45c190e6378f8	CN=Cisco Root CA M1, O=Cisco
62dd0be9b9f50a163ea0f8e75c053b1eca57ea55c8688f647c6881f2c8357b95	CN=SwissSign Gold CA - G2, O=SwissSign AG, C=CH
0376ab1d54c5f9803ce4b2e201a0ee7eef7b57b636e8a93c9b8d4860c96f5fa7	CN=AffirmTrust Commercial, O=AffirmTrust, C=US
02bdf96e2a45dd9bf18fc7e1dbdf21a0379ba3c9c2610344cfd8d606fec1ed81	CN=CommScope Public Trust RSA Root-01, O=CommScope, C=US
caca93b9d23d2b6fa76e8b8471931e0df3ec6f63af3cddb936c41954a1872326	CN=Microsoft ECC 产品根目录 2018 Certificate Authority, O=Microsoft Corporation, L=雷德蒙德, ST=华盛顿 · C=US
dec669e322e07cd7c60a56904bf50c29fa1e75071723fc103577e27b226968d5	CN=TRS 捆绑包根 CA, O=Cisco
1ba5b2aa8c65401a82960118f80bec4f62304d83cec4713a19c39c011ea46db4	CN=Amazon Root CA 2, O=Amazon, C=US
c1468cf2254e6004b24696aba209d1a30ba6e2dff68a9a4e32c6ab414f90c8d9	CN=DigiCert ECC P384 Root G5, O=DigiCert\, Inc., C=US
937ef8f12276b3c7a3f58e345d09a6eff01f862f8d2794441cd84d511825fa0c	CN=Entrust P384 EV TLS Root CA - 2022, O=Entrust\, Inc., C=US
578af4ded0853f4e5998db4aeaf9cbea8d945f60b620a38d1a3c13b2bc7ba8e1	CN=Telekom Security TLS ECC Root 2020, O=Deutsche Telekom Security GmbH, C=DE

指纹	主题
a1339d33281a0b56e557d3d32b1ce7f9367eb094bd5fa72a7e5004c8ded7cafe	CN=SZAFIR ROOT CA2, O=Krajowa Izba Rozliczeniowa S.A., C=PL
34FF2a4409dc1383e9f8966e8adfe5719eba373fd0ad5e2f49f90ee07cf5d4c1	CN=VRK Gov. Root CA - G2, OU=Varmennepalvelut, OU=Certification Authority Services, O=Vaestorekisterikeskus CA, C=FI
d43af9b35473755c9684fc06d7d8cb70ee5c28e773fb294eb41ee71722924d24	CN=UCA 扩展验证根 · O=UniTrust, C=CN
8ac552ad577e37ad2c6808d72aa331d6a96b4b3febff34ce9bc0578e08055ec3	CN=A-Trust-Root-07,OU=A-Trust-Root-07,O=A-Trust Ges.f. Sicherheitssysteme im elektr. Datenverkehr GmbH, C=AT
6ec6614e9a8efd47d6318ffdfd0bf65b493a141f77c38d0b319be1bbbc053dd2	CN=瑞士政府根 CA I, OU=证书颁发机构 · OU=服务 · O=瑞士联邦联邦机构 · C=CH
18ce6cfe7bf14e60b2e347b8dfe868cb31d02ebb3ada271569f50343b46db3a4	CN=Amazon Root CA 3, O=Amazon, C=US
8327bc8c9d69947b3de3c27511537267f59c21b9fa7b613fafbccd53b7024000	CN=Cisco Root CA 2048, O=Cisco Systems
59769007f7685d0fcd50872f9f95d5755a5b2b457d81f3692b610a98672f0e1b	CN=TWCA 全局根 CA, OU=根 CA, O=台湾 -CA, C=TW
1cf341ae35341ac3ae1dc68d5b10dc0c9dc1307656f75fd92ca2c68489d52e9a	CN=MOIS SSL Root CA, O=内政和安全部, C=KR
bf0feefb9e3a581ad5f9e9db7589985743d261085c4d314f6f5d7259aa421612	CN=SecureSign RootCA11, O=Japan Certification Services\, Inc., C=JP
04048028bf1f2864d48f9ad4d83294366a828856553f3b14303f90147f5d40ef	CN=Autoridad de Certificacion Firmaprofesional CIF A62634068, C=ES
873f4685fa7f563625252e6d36bcd7f16fc24951f264e47e1b954f4908cdca13	CN=E-Tugra Global Root CA ECC v3, OU=E-Tugra Trust Center, O=E-Tugra EBG A.S., L=Ankara, C=TR
e3b6a2db2ed7ce48842f7ac53241c7b71d54144bfb40c11f3f1d0b42f5eea12d	CN=Certigna, O=Dhimyotis, C=FR
18f1fc7f205df8adddeb7fe007dd57e3af375a9c4d8d73546bf4f1fed1e18d35	CN=QuoVadis Root CA 3, O=QuoVadis Limited, C=BM
46edc3689046d53a453fb3104ab80dcaec658b2660ea1629dd7e867990648716	CN=图比塔克卡姆 SM SSL Kok Sertifikasi - Surum 1, OU=Kamu Sertifikasyon Merkezi - Kamu SM, O=Turkiye Bilimsel ve Teknolojik Arastirma kurumu - TUBITAK, L=Gebze - Kocaeli, C=TR
be6c4da2bbb9ba59b6f3939768374246c3c005993fa98f020d1dedbed48a81d5	CN=SwissSign Silver CA - G2, O=SwissSign AG, C=CH
30d0895a9a448a262091635522d1f52010b5867acae12c78ef958fd4f4389f2f	CN=IdenTrust Public Sector Root CA 1, O=IdenTrust, C=US
16af57a9f676b0ab126095aa5ebadef22ab31119d644ac95cd4b93dbf3f26aeb	CN=Baltimore CyberTrust Root, OU=CyberTrust, O=Baltimore, C=IE
a7dedf5a842167dd12fdaa0f2080e73295b8b8bea71b2094ea0950945a482fc1	CN=AffirmTrust 4K TLS Root CA - 2022, O=AffirmTrust, C=CA
EEC5496b988ce98625b934092eec2908bed0b0f316c2d4730c84eaf1f3d34881	CN=D-TRUST Root Class 3 CA 2 EV 2009, O=D-Trust GmbH, C=DE
DF545bf919a2439c36983b54cdfc903dfa4f37d3996d8d84b4c31eec6f3c163e	CN=Microsoft Root Certificate Authority 2010, O=Microsoft Corporation, L=Redmond, ST=Washington, C=US

指纹	主题
193144f431e0fdbb740717d4de926a571133884b4360d30e272913cbe660ce41	CN=SwissSign RSA TLS Root CA 2022 - 1, O=SwissSign AG, C=CH
55926084ec963a64b96e2abe01ce0ba86a64fbfbcc7aab5afc155b37fd76066	CN=Actalis Authentication Root CA, O=Actalis S.p.A./03358520967, L=Milan, C=IT
6c61dac3a2def031506be036d2a6fe401994fbd13df9c8d466599274c446ec98	CN=NetLock Arany (Class Gold) Főtanúsítvány, OU=Tanúsítványkiadók (Certification Services), O=NetLock Kft., L=Budapest, C=胡
7431e5f4c3c1ce4690774f0b61e05440883ba9a01ed00ba6abd7806ed3b118cf	CN=DigiCert High Assurance EV Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
b2fae53e14ccd7ab9212064701ae279c1d8988facb775fa8a008914e663988a8	C=DE, O=Atos, CN=Atos TrustedRoot Root CA ECC TLS 2021
c3846bf24b9e93ca64274c0ec67c1ecc5e024ffcacd2d74019350e81fe546ae4	OU=Go Daddy Class 2 Certification Authority, O=The Go Daddy Group\, Inc., C=US
AC7f7862e685c7a7d9826a58ea32d183d4893fcc8f8fd6d900c9769a987e77f0	CN=PostSignum Root QCA 4, O=Česká pošta\, s.p., 2.5.4.97=NTRCZ-47114983, C=CZ
49e7a442acf0ea6287050054b52564b650e4f49e42e348d6aa38e039e957b1c1	CN=D-TRUST Root Class 3 CA 2 2009, O=D-Trust GmbH, C=DE
d2358cf65519d8e74cb71ed5a4b3f60db4fad1baf09d5c4ae5e8c7edb4448aa2	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com, CN=Cisco Ss Business Provisioning Root Authority 1, OU=Cisco S Business Certificate Authority, O=Cisco S Business L=San Jose, ST=California, C=US
a736e303e6413c44e725704bf957933f1dd669f9c7e84ce701d72abb208471c8	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com, CN=Cisco Ss Business Provisioning Root Authority 2, OU=Cisco S S Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California, C=US

多平台电话的 CA 信任列表

指纹	主题
554153b13d2cf9ddb753bfbe1a4e0ae08d0aa4187058fe60a2b862b2e4b87bcb	CN=AC RAIZ FNMT-RCM SERVIDORES SEGUROS, 2.5.4.97=VATES-Q2826004J, OU=Ceres, O=FNMT-RCM, C=ES

指纹	主题
136335439334a7698016a0d324de72284e079d7b5220bb8bfd747816eebebac	CN=Global Chambersign Root - 2008, O=AC Camerfirma S.A., 2.5.4.5=A82743287, L=马德里 (参见当前地址 www.camerfirma.com/address), C=EU
6e0bff069a26994c15de2c4888cc54af8882e5495b77bf66be9ccffec7489f6	CN=Autoridade Certificadora Raiz Brasileira v10, OU=Instituto Nacional de Tecnologia da Informacao - ITI, O=ICP-Brasil, C=BR
edf7ebbc27a2a384d387b7d4010c666e2edb4843e4c29b4ae1d5b9332e6b24d	CN=Buypass Class 3 Root CA, O=Buypass AS-983163327, C=NO
5a2fc03f0c83b090bbfa40604b0988446c7636183df9846e17101a447fb8efd6	CN=香港邮政根 CA 3, O=香港邮政 · L=香港, ST=香港, C=香港
e793c9b02fd8aa13e21c31228accb08119643b749c898964b1746d46c3d4cbd2	CN=USERTrust RSA Certification Authority, O=The USERTRUST Network, L=泽西市 · ST=新泽西 · C=US
416b1f9e84e74c1d19b23d8d7191c6ad81246e641601f599132729f507beb3cc	CN=GLOBALTRUST 2015, OU=GLOBALTRUST Certification Service, O=e-commerce monitoring GmbH, L=Wien, ST=Wien, C=AT
a040929a02ce53b4acf4f2ffc6981ce4496f755e6d45fe0b2a692bcd52523f36	CN=希腊学术和研究机构 RootCA 2015, O=希腊学术和研究机构证书权威 · L=雅典, C=GR
8d25cd97229dbf70356bda4eb3cc734031e24cf00fafcfd32dc76eb5841c7ea8	CN=GTS Root R2, O=Google Trust Services LLC, C=US
f4336bc2ac75950becc1c1f2f9da6dddafd1f41161ca71f59c76889bd474033	CN=ANCERT Certificados CGN V2, O=Agencia Notarial de Certificacion S.L.U. - CIF B83395988, C=ES
4ff460d54b9c86dabfbcfc5712e0400d2bed3fbc4d4fbdad86e06adcd2a9ad7a	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=泽西城 · ST=新泽西 · C=US
647987d98d52645da4d3de3b80771a0ce02b9b9285e6e86999882170744ec9aa	CN=Entrust 4K EV TLS Root CA - 2022, O=Entrust, Inc., C=US
8faf7d2e2cb4709b8e0b33666bf75a5dd45b5de480f8ea8d4bfe6bebc17f2ed	CN=SSL.com TLS RSA 根 CA 2022, O=SSL 公司, C=US
5c58468d55f58e497e743982d2b50010b6d165374acf83a7d4a32db768c4408e	CN=Certum Trusted Network CA, OU=Certum Certification Authority, O=Unizeto Technologies S.A., C=PL
f356bea244b7a91eb35d53ca9ad7864ace018e2d35d5f8f96ddf68a6f41aa474	C=DE, O=Atos, CN=Atos TrustedRoot 2011
d3ed3fc40ad26b52e001e1e18f4b9449529deb75a81d5eb680d7b62db23ba96d	CN=DVV Gov. Root CA - G3 RSA, OU=Varmennepalvelut, OU=Certification Authority Services, O=Digi- ja vaestotietovirasto CA, C=FI
34bb34e14faed0d3392f2fc441c0ecd5fd88ad88118df2d1ba76cdec1eea10b8	OU=Saudi National Root CA, O=National Center for Digital Certification, C=SA
bfd88fe1101c41ae3e801bf8be56350ee9bad1a6b9bd515edc5c6d5b8711ac44	CN=TWCA 根证书颁发机构 · OU=Root CA, O=TAIWAN-CA, C=TW
15d5b8774619ea7d54ce1ca6d0b0c403e037a917f131e8a04e1e6b7a71babce5	CN=GTS Root R3, O=Google Trust Services LLC, C=US

指纹	主题
44b545aa8a25e65a73ca15dc27fc36d24c1cb9953a066539b11582dc487b4833	CN=希腊学术和研究机构 ECC RootCA 2015, O=希腊学术和研究机构证书权威 · L=雅典, C=GR
db3517d1f6732a2d5ab97c533ec70779ee3270a62fb4ac4238372460e6f01e88	CN=Entrust Root Certification Authority - G4, OU= (c) 2015 Entrust\, Inc. - 仅供授权使用 · OU=请参见 www.entrust.net/legal-terms,O=Entrust\, Inc., C=US
c0a6f4dc63a24bfdcf54ef2a6a082a0a72de35803e2ff5ff527ae5d87206dfd5	OU=ePKI 根证书颁发机构 · O=中国电信有限公司 · C=TW
efc65cadbb59adb6efe84da22311b35624b71b3b1ea0da8b6655174ec8978646	CN=Telekom Security TLS RSA Root 2023, O=Deutsche Telekom Security GmbH, C=DE
88497f01602f3154246ae28c4d5aef10f1d87ebb76626f4ae0b7f95ba7968799	CN=EC-ACC, OU=Jerarquia Entitats de Certificacio Catalanes, OU=Vegeu https://www.catcert.net/verarrel (c) 03, OU=Serveis Publics de Certificacio, O=Agencia Catalana de Certificacio (NIF Q-0801176-I), C=ES
568d6905a2c88708a4b3025190edcfedb1974a606a13c6e5290fcb2ae63edab5	CN=Starfield Services Root Certificate Authority - G2, O=Starfield Technologies\, Inc., L=Scottsdale, ST=Arizona, C=US
85666a562ee0be5ce925c1d8890a6f76a87ec16d4d7d5f29ea7419cf20123b69	CN=SSL.com 根证书颁发机构 RSA, O=SSL Corporation, L=Houston, ST=Texas, C=US
cbb522d7b7f127ad6a0113865bdf1cd4102e7d0759af635a7cf4720dc963c53b	CN=GlobalSign, O=GlobalSign, OU=GlobalSign Root CA - R3
2e7bf16cc22485a7bbe2aa8696750761b0ae39be3b2fe9d0cc6d4ef73491425c	CN=SSL.com EV Root Certification Authority RSA R2, O=SSL Corporation, L=Houston, ST=Texas, C=US
179fbc148a3dd00fd24ea13458cc43bfa7f59c8182d783a513f6ebec100c8924	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R5
24a55c2ab051442d0617766541239a4ad032d7c55175aa34ffde2fbc4f5c5294	CN=Security Communication RootCA3, O=SECOM Trust Systems Co., Ltd., C=JP
1a0d20445de5ba1862d19ef880858cbce50102b36e8f0a040c3c69e74522fe6e	CN=COMODO 认证机构 · O=COMODO CA Limited, L=索尔福德, ST=大曼彻斯特 · C=GB
22a2c1f7bded704cc1e701b5f408c310880fe956b5de2a4a44f99c873a25a7c8	CN=SSL.com EV 根证书颁发机构 ECC, O=SSL Corporation, L=Houston, ST=Texas, C=US
96BCEC06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6	CN=ISRG 根 X1, O=互联网安全研究组 · C=美国
45140b3247eb9cc8c5b4f0d7b53091f73292089e6e5a63e2749dd3aca9198eda	CN=Go Daddy Root Certificate Authority - G2, O=GoDaddy.com\, Inc., L=Scottsdale, ST=Arizona, C=US
FAD540811afae0dc767cdf6572a088fa3ce8493dd82b3b869a67d10aab4e8124	CN=SI-TRUST Root, 2.5.4.97=VATSI-17659957, O=Republika Slovenija, C=SI

指纹	主题
08170d1aa36453901a2f959245e347db0c8d37abaabc56b81aa100dc958970db	CN=D-TRUST EV Root CA 1 2020, O=D-Trust GmbH, C=DE
0c2cd63df7806fa399ede809116b575bf87989f06518f9808c860503178baf66	CN=COMODO 认证机构 · O=COMODO CA Limited, L=索尔福德, ST=大曼彻斯特 · C=GB
bd71FDF6da97e4cf62d1647add2581b07d79adf8397eb4ecba9c5e8488821423	CN=AffirmTrust Premium ECC, O=AffirmTrust, C=US
BEB00B30839B9BC32C32E4447905950641f26421b15ed089198b518ae2ea1b99	CN=e-Szigno Root CA 2017,2.5.4.97=VATHU-23584497, O=Microsec Ltd., L=布达佩斯, C=胡
ebd41040e4bb3ec742c9e381d31ef2a41a48b6685c96e7cef3c1df6cd4331c99	CN=GlobalSign Root CA, OU=Root CA, O=GlobalSign nv-sa, C=BE
5546a52504fba74f61ffd4890067529ade3b9c9d07e502592831ccda9b369fd3	CN=DVV Gov. Root CA - G3 ECC, OU=Varmennepalvelut, OU=Certification Authority Services, O=Digi- ja vaestotietovirasto CA, C=FI
d649c40830aab9869f2536ff933c4050746659b31dfa735405e4f7ad447c20d5	CN=Cisco 基本保障根 CA 2099, O=Cisco
2a8da2f8d23e0cd3b5871ecfb0f42276ca73230667f474eede71c5ee32cc3ec6	CN=泰国国家根证书颁发机构 - G1, OU=泰国国家根证书颁发机构 · O=电子交易发展局 (公共组织) · C=TH
358df39d764af9e1b766e9c972df352ee15cfac227af6ad1d70e8e4a6edcba02	CN=Microsoft ECC Root Certificate Authority 2017, O=Microsoft Corporation, C=US
65353833cf234c79562164f90849c0d104dbabf8ee41064d83e8cbe03ba1c5a5	CN=Netrust Root CA 2, OU=Netrust Certificate Authority, O=Netrust Pte Ltd, C=SG
31ad6648f8104138c738f39ea4320133393e3a18cc02296ef97c2ac9ef6731d0	CN=DigiCert Global Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US
3e9099b5015e8f486c00bcea9d111ee721faba355a89bcf1df69561e3dc6325c	CN=DigiCert Assured ID Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
0da80cc491638f8c756396e0afac16079829fa06697bfe6d7ee93a6a0c9e212d	CN=IT Private Root CA, O=Cisco, OU=Phoenix
2530cc8e98321502bad96f9b1fba1b099e2d299e0f4548bb914f363bc0d4531f	CN=Izenpe.com, O=IZENPE S.A., C=ES
3a6308acd77a5a33d8da04d669fa00f8e5ae153f259087678b76bf1654b30a06	CN=Cisco ECC Root CA, O=Cisco
2ffb7f813bbb3c89ab4e8162d0f16d71509a830cc9d73c262e5140875d1ad4a	CN=CommScope Public Trust ECC Root-02, O=CommScope, C=US
f1b52392c4a4ec2a8709b1308304a911ffcec2ce0b63a94f969164567c4925	CN=Cisco 许可根 CA, O=Cisco
71CCA5391f9e794b04802530b363e121da8a3043bb26662fea4dca7fc951a4bd	CN=GTS Root R4, O=Google Trust Services LLC, C=US
f3896f88fe7c0a882766a7fa6ad2749fb57a7f3e98fb769c1fa7b09c2c44d5ae	CN=BJCA 全局根 CA1, O=北京证书颁发机构 · C=CN
4200f5043ac8590ebb527d209ed1503029fbcdbd41ca1b506ec27f15ade7dac69	CN=Secure Global CA, O=SecureTrust Corporation, C=US
3f63bb2814be174ec8b6439cf08d6d56f0b7c405883a5648a334424d6b3ec558	CN=TWCA CYBER Root CA, OU=Root CA, O=TAIWAN-CA, C=TW

指纹	主题
BEF256daf26E9c69bdec1602359798f3caf71821a03e018257c53c65617f3d4a	CN=FIRMAPROFESIONAL CA ROOT-A WEB, 2.5.4.97=VATES-A62634068, O=Firmaprofesional SA, C=ES
e74fbda55bd564c473a36b441aa799c8a68e077440e8288b9fa1e50e4bbaca11	CN=Security Communication ECC RootCA1, O=SECOM Trust Systems Co., Ltd., C=JP
d7a7a0fb5d7e2731d771e9484ebcdef71d5f0c3e0a2948782bc83ee0ea699ef4	CN=AAA Certificate Services, O=Comodo CA Limited, L=Salford, ST=Greater Manchester, C=GB
242b69742fcb1e5b2abf98898b94572187544e5b4d9911786573621f6a74b82c	CN=Telia Root CA v2, O=Telia Finland Oyj, C=FI
AD016f958050e0e7e46fae7dcc50197ed8e3ff0a4b262e5ddc3beddc7d6578	CN=PostSignum Root QCA 2, O=Česká pošta, s.p. [IČ 47114983], C=CZ
BE4b56cb5056c0136a526df444508daa36a0b54f42e4ac38f72af470e479654c	CN=TrustAsia Global Root CA G4, O=TrustAsia Technologies, Inc., C=CN
6b328085625318aa50d173c98d8bda09d57e27413d114cf787a0f5d06c030cf6	CN=Certum EC-384 CA, OU=Certum Certification Authority, O=Asseco Data Systems S.A., C=PL
7d05ebb682339f8c9451ee094eebfefa7953a114edb2f44949452fab7d2fc185	CN=DigiCert Assured ID Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US
07cd9aa9064a9b94c6aef8fb784c1bbc1beda08acbe86878d781a39167626cf8	CN=Visa Public RSA Root CA, OU=Visa International Service Association, O=VISA, C=US
30fbba2c32238e2a98547af97931e550428b9b3f1c8eeb6633dcfa86c5b27dd3	CN=vTrus ECC Root CA, O=iTrusChina Co., Ltd., C=CN
bc104f15a48be709dca542a7e1d4b9df6f054527e802eaa92d595444258afe71	CN=希腊学术和研究机构 RootCA 2011, O=希腊学术和研究机构证书权威 · C=GR
ef66b0b10a3c3db9f2e3648c76bd2af18ead2bfe6f117655e28c4060da1a3f4c2	CN=E-Tugra Global Root CA RSA v3, OU=E-Tugra Trust Center, O=E-Tugra EBG A.S., L=Ankara, C=TR
2a575471e31340bc21581cbd2cf13e158463203e94bcf9d3cc196bf09a5472	CN=GTS Root R1, O=Google Trust Services LLC, C=US
018e13f0772532cf809bd1b17281867283fc48c6e13be9c69812854a490c1b05	CN=DigiCert TLS ECC P384 Root G5, O=DigiCert, Inc., C=US
6dc47172e01cbcb0bf62580d895fe2b8ac9ad4f873801e0c10b9c837d21eb177	CN=Entrust.net Certification Authority (2048), OU=(c) 1999 Entrust.net Limited, OU=www.entrust.net/CPS_2048 incorp.by ref. (limit liab.), O=Entrust.net
2ce1cb0bf9d2f9e102993fbe215152c3b2dd0cabde1c68e5319b839154dbb7f5	CN=Starfield Root Certificate Authority - G2, O=Starfield Technologies, Inc., L=Scottsdale, ST=Arizona, C=US
407c276bead2e4af0661ef6697341dec0a1f9434e4eafbd2d3d32a90549d9de4a	CN=GPKIRootCA1, OU=GPKI, O=韩国政府 · C=KR
CD85167b3935e27BCC3b0f5fa24c8457882d0bb994f88269a7f72829d957eae9	CN=Cisco Root CA M2, O=Cisco

指纹	主题
d48d3d23eedb50a459e55197601c27774b9d7b18c94d5a059511a10250b93168	CN=Certigna Root CA, OU=0002 48146308100036, O=Dhimyotis, C=FR
8f9adb6d895dab5adf5c3d3fab83927be0fb64ef82485c62280d584e8bd55d22	CN=瑞典政府根颁发机构 v3, O=瑞典社会保险局 · C=SE
bfff8FD04433487d6a8aa60c1a29767a9fc2bbb05e420f713a13b992891d3893	CN=GDCA TrustAUTH R5 ROOT, O=广东证书颁发机构有限公司 · C=CN
c32ffd9f46f936d16c3673990959434b9ad60aafbb9e7cf33654f144cc1ba143	CN=SSL.com TLS ECC Root CA 2022, O=SSL Corporation, C=US
88ef81de202eb018452e43f864725cea5fbd1fc2d9d205730709c5d8b8690f46	CN=QuoVadis Root CA 3 G3, O=QuoVadis Limited, C=BM
b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R4
7a38f708a35a31e42e1cf3220f9a2d273e7666354618b2464657d43d8e77adc2	CN=A-Trust-Root-09,OU=A-Trust-Root-09,O=A-Trust GmbH, C=AT
8560f91c3624daba9570b5fea0dbe36ff11a8323be9486854fb3f34a5571198d	CN=OISTE WISeKey Global Root GC CA, OU=OISTE Foundation Endorsed, O=WISeKey, C=CH
9a6ec012e1a7da9dbe34194d478ad7c0db1822fb071df12981496ed104384113	C=ES, O=ACCV, OU=PKIACCV, CN=ACCVRAIZ1
b4585f22e4ac756a4e8612a1361c5d9d031a93fd84febb778fa3068b0fc42dc2	CN=当然根 E1, O=当然, C=US
C2157309d9aee17bf34f4df5e88dbaeba57e0361eb814cbc239f4d54d329a38d	CN=Főtanúsítványkiadó - Kormányzati hitelesítés szolgáltató, O=NISZ nemzeti infokommunikációs szolgáltató zrt., L=Budapest, C=胡
86a1ecba089c4a8d3bbe2734c612ba341d813e043cf9e8a862cd5c57a36bbe6b	CN=emSign ECC Root CA - G3, O=eMudhra Technologies Limited, OU=emSign PKI, C=IN
1793927a0614549789adce2f8f34f7f0b66d0f3ae3a3b84d21ec15dbba4fadc7	CN=COMODO ECC 认证机构 · O=COMODO CA Limited, L=索尔福德, ST=大曼彻斯特 · C=GB
c34c5df53080078ffe45b21a7f600469917204f4f0293f1d7209393e5265c04f	CN=CCA India 2015 SPL, O=印度 PKI, C=IN
a3cc68595dfe7e86d8ad1772a8b5284add54ace3b8a798df47bccafb1fdb84df	CN=热点 2.0 信任根 CA - 03, O=WFA 热点 2.0, C=US
1465fa205397b876faa6f0a9958e5590e40fcc7faa4fb7c2c8677521fb5fb658	OU=Starfield Class 2 Certification Authority, O=Starfield Technologies\, Inc., C=US
85a0dd7dd720adb7ff05f83d542b209dc7ff4528f7d677b18389fea5e5c49e86	CN=QuoVadis Root CA 2, O=QuoVadis Limited, C=BM
847df6a78497943f27fc72eb93f9a637320a02b561d0a91b09e87a7807ed7c61	CN=Microsoft Root Certificate Authority 2011, O=Microsoft Corporation, L=Redmond, ST=Washington, C=US
5e3571f33f45a7df1537a68b5ffb9e036af9d2f5bc4c9717130dc43d7175aac7	1.2.840.113549.1.9.1=info@globaltrust.info, CN=GLOBALTRUST, OU=GLOBALTRUST Certification Service, O=ARGE DATEN - Austrian Society for Data Protection, ST=Austria, L=Vienna, C=AT
ebc5570c29018c4d67b1aa127baf12f703b4611ebc17b7dab5573894179b93fa	OU=AC RAIZ FNMT-RCM, O=FNMT-RCM, C=ES

指纹	主题
f015ce3cc239bfef064be9f1d2c417e1a0264a0a94be1f0c8d121864eb6949cc	CN=HiPKI Root CA - G1, O=中国电信有限公司 · C=TW
57de0583efd2b26e0361da99da9df4648def7ee8441c3b728afa9bcde0f9b26a	CN=Autoridad de Certificacion Firmaprofesional CIF A62634068, C=ES
9a114025197c5bb95d94e63d55cd43790847b646b23cdf11ada4a00eff15fb48	CN=Buyypass Class 2 Root CA, O=Buyypass AS-983163327, C=NO
657cfe2fa73faa38462571f332a2363a46fce7020951710702cdfbb6eeda3305	OU=certSIGN ROOT CA G2, O=CERTSIGN SA, C=RO
513b2cecb810d4cde5dd85391adfc6c2dd60d87bb736d2b521484aa47a0ebef6	OU=Security Communication RootCA2, O=SECOM Trust Systems Co., Ltd., C=JP
9BEA11c976fe014764c1be56a6f914b5a560317abd9988393382e5161aa0493c	CN=UCA Global G2 Root, O=UniTrust, C=CN
e0d3226aeb1163c2e48ff9be3b50b4c6431be7bb1eacc5c36b5d5ec509039a08	CN=TrustAsia Global Root CA G3, O=TrustAsia Technologies\, Inc., C=CN
f1c1b50ae5a20dd8030ec9f6bc24823dd367b5255759b4e71b61fce9f7375d73	CN=SecureTrust CA, O=SecureTrust Corporation, C=US
eb7e05aa58e7bd328a282bf8867033f3c035342b516ee85c01673dffffbbfe58	CN=NetLock Platina (Class Platinum) Főtanúsítvány, OU=Tanúsítványkiadók (Certification Services) , O=NetLock Kft., L=Budapest, C=胡
34d8a73ee208d9bcdb0d956520934b4e40e69482596e8b6f73c8426b010a6f48	CN=GTS Root R3, O=Google Trust Services LLC, C=US
cbb9c44d84b8043e1050ea31a69f514955d7bfd2e2c6b49301019ad61d9f5058	CN=GlobalSign Root E46, O=GlobalSign nv-sa, C=BE
8ECDe6884F3d87b1125ba31ac3fcb13d7016de7f57cc904fe1cb97c6ae98196e	CN=Amazon Root CA 1, O=Amazon, C=US
3c4fb0b95ab8b30032f432b86f535fe172c185d0fd39865837cf36187fa6f428	CN=Staat der Nederlanden Root CA - G3, O=Staat der Nederlanden, C=NL
aaa962c4fa4a6bafefe415196d351ccd888d4f53f3fa8ae6d7c466a94e6042bb	OU=certSIGN ROOT CA, O=CERTSIGN, C=RO
349DFA058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d	CN=GTS Root R4, O=Google Trust Services LLC, C=US
04f1bec36951bc1454a904ce32890c5da3cde1356b7900f6e62dfa2041ebad51	CN=CHAMBERS OF COMMERCE ROOT - 2016, O=AC CAMERFIRMA S.A., 2.5.4.97=VATES-A82743287,2.5.4.5=A82743287, OU=CHAMBERS OF COMMERCE ROOT - 2016, OU=在 www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES 查看当前地址
7bb647a62aeaac88bf257aa522d01ffea395e0ab45c73f93f65654ec38f25a06	CN=Sectigo Public Server Authentication Root R46, O=Sectigo Limited, C=GB
77b82cd8644c4305f7acc5cb156b45675004033d51c60c6202a8e0c33467d3a0	CN=当然根 R1, O=当然, C=US
d95d0e8eda79525bf9beb11b14d2100d3294985f0c62d9fabd9cd999eccb7b1d	CN=HARICA TLS RSA Root CA 2021, O=希腊学术和研究机构 CA, C=GR
371a00dc0533b3721a7eeb40e8419e70799d2b0a0f2c1d80693165f7cec4ad75	CN=DigiCert TLS RSA4096 Root G5, O=DigiCert\, Inc., C=US
41dfd9c52d71f6a2c7f1083aa8f80153ff6ec23349d2599de347adbe423504f3	CN=内部客户根 CA, O=Cisco, OU=Arcturus
ffe943d793424b4f7c440c1c3d648d5363f34b82dc87aa7a9f118fc5dee101f1	CN=CommScope Public Trust RSA Root-02, O=CommScope, C=US

指纹	主题
3f034bb5704d44b2d08545a02057de93ebf3905fce721acbc730c06ddaee904e	CN=SecureSign Root CA12, O=Cybertrust Japan Co., Ltd., C=JP
9a296a5182d1d451a2e37f439b74daafa267523329f90f9a0d2007c334e23c9a	CN=GLOBALTRUST 2020, O=电子商务监控有限公司 · C=AT
11437cda7bb45e41365f45b39a38986b0de00def348e0c7bb0873633800bc38b	CN=CommScope Public Trust ECC Root-01, O=CommScope, C=US
125609aa301da0a249b97a8239cb6a34216f44dcac9f3954b14292f2e8c8608f	CN=emSign Root CA - C1, O=eMudhra Inc, OU=emSign PKI, C=US
e6be68ce06fe0da0c140f1aeb00b67b636c5eea9422088929362375ce086db39	CN=Visa Public ECC Root CA, OU=Visa International Service Association, O=VISA, C=US
68ad50909b04363c605ef13581a939ff2c96372e3f12325b0a6861e1d59f6603	CN=Verizon Global Root CA, OU=OmniRoot, O=Verizon Business, C=US
c1d80ce474a51128b77e794a98aa2d62a0225da3f419e5c7ed73dfbf660e7109	CN=GLOBAL CHAMBERSIGN ROOT - 2016, O=AC CAMERFIRMA S.A., 2.5.4.97=VATES-A82743287,2.5.4.5=A82743287, OU=GLOBAL CHAMBERSIGN ROOT - 2016, OU=参见 www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES 处的当前地址
3f99cc474acfce4dfed58794665e478d1547739f2e780f1bb4ca9b133097d401	CN=HARICA TLS ECC Root CA 2021, O=希腊学术和研究机构 CA, C=GR
8fe4fb0af93a4d0d67db0bebb23e37c71bf325dcbcd240ea04daf58b47e1840	CN=QuoVadis Root CA 2 G3, O=QuoVadis Limited, C=BM
8a866fd1b276b57e578e921c65828a2bed58e9f2f288054134b7f1f4bfc9cc74	CN=QuoVadis Root CA 1 G3, O=QuoVadis Limited, C=BM
7e37cb8b4c47090cab36551ba6f45db840680fba166a952db100717f43053fc2	CN=DigiCert Assured ID Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US
铁 7696573855773e37a95e7ad4d9cc96c30157c15d31765ba9b15704e1ae78fd	CN=Certum Trusted Root CA, OU=Certum Certification Authority, O=Asseco Data Systems S.A., C=PL
3417bb06cc6007da1b961c920b8ab4ce3fad820e4aa30b9acbc4a74ebdcebc65	CN=SSL.com 根证书颁发机构 ECC, O=SSL Corporation, L=Houston, ST=Texas, C=US
c45d7bb08e6d67e62e4235110b564e5f78fd92ef058c840aea4e6455d7585c60	CN=GTS Root R2, O=Google Trust Services LLC, C=US
f9a17a00e5c294ba9614a715819af57f3fd48cc413453fbb8a5fc7e97964e2bc	C=CZ, 2.5.4.97=NTRCZ-26439395, O=První certifikační autorita\, a.s., CN=I.CA TLS Root CA/RSA 05/2022
2a99f5bc1174b73cbb1d620884e01c34e51ccb3978da125f0e33268883bf4158	CN=Certinomis - Root CA, OU=0002 433998903, O=Certinomis, C=FR
e46a392204a8dca342a71c1ca9a60c9185b9a930370120c3b9c7e3856f0d8f3b	CN=DigiCert RSA4096 Root G5, O=DigiCert\, Inc., C=US
d947432abde7b7fa90fc2e6b59101b1280e0e1c7e4e40fa3c6887fff57a7f4cf	CN=GTS Root R1, O=Google Trust Services LLC, C=US
40f6af0346a99aa1cd1d555a4e9cce62c7f9634603ee406615833dc8c8d00367	CN=emSign Root CA - G1, O=eMudhra Technologies Limited, OU=emSign PKI, C=IN
cb3ccbb76031e5e0138f8dd39a23f9de47ffc35e43c1144cea27d46a5ab1cb5f	CN=DigiCert Global Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US

指纹	主题
209e956af04df3996507c887d356230d6eb49fdbdd2d8a058ff50b8f80f690aa	CN=Australian Defence Public Root CA, OU=CAs, OU=PKI, OU=DoD, O=GOV, C=AU
c57a3acbe8c06ba1988a83485bf326f2448775379849de01ca43571af357e74b	CN=Visa Information Delivery Root CA, OU=Visa International Service Association, O=VISA, C=US
945bbc825ea554f489d1fd51a73ddf2ea624ac7019a05205225c22a78ccfa8b4	CN=Trustwave Global ECC P256 Certification Authority, O=Trustwave Holdings\, Inc., L=Chicago, ST=Illinois, C=US
7a77c6c61eeeb9aa65c4ea410d65d895b26a81123283009db104b48de80b2479	CN=OATI WebCARES Root CA, O=Open Access Technology International Inc, L=Minneapolis, ST=MN, C=US
3fd4be8baad2f26e1bde06c7584bb720dd1a972d111f5a4999bc44b08fb4960d	CN=Microsoft ECC TS Root Certificate Authority 2018, O=Microsoft Corporation, L=Redmond, ST=Washington, C=US
91e2f5788d5810eba7ba58737de1548a8ecacd014598bc0b143e041b17052552	CN=T-TeleSec GlobalRoot Class 2, OU=T-Systems Trust Center, O=T-Systems Enterprise Services GmbH, C=DE
9ee289cc39971c15e94beb65142d360b5873feb970de1f9fda53ac26d10b25c6	CN=IT Application Root CA, O=Cisco, OU=Pollux
BEC94911C2955676db6c0a550986d76e3ba005667c442c9762b4fbb773de228c	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R4
70a73f7f376b60074248904534b11482d5bf0e698ecc498df52577ebf2e93b9a	CN=AffirmTrust Premium, O=AffirmTrust, C=US
fd73dad31c644ff1b43bef0ccdda96710b9cd9875eca7e31707af3e96d522bbd	CN=T-TeleSec GlobalRoot Class 3, OU=T-Systems Trust Center, O=T-Systems Enterprise Services GmbH, C=DE
97552015f5ddfc3c8788c006944555408894450084f100867086bc1a2bb58dc8	CN=Trustwave Global Certification Authority, O=Trustwave Holdings\, Inc., L=Chicago, ST=Illinois, C=US
552f7bdcf1a7af9e6ce672017f4f12abf77240c78e761ac203d1d9d20ac89988	CN=DigiCert Trusted Root G4, OU=www.digicert.com, O=DigiCert Inc, C=US
41c923866ab4cad6b7ad578081582e020797a6cbdf4fff78ce8396b38937d7f5	CN=OISTE WISEKey Global Root GA CA, OU=OISTE Foundation Endorsed, OU=Copyright (c) 2005, O=WISEKey, C=CH
CECDDC905099d8dADFC5b1d209b737cbe2c18cfb2c10c0ff0bcf0d3286fc1aa2	CN=XRamp Global Certification Authority, O=XRamp Security Services Inc, OU=www.xrampsecurity.com, C=US
e35d28419ed02025CFA69038cd623962458da5c695fbdea3c22b0bfb25897092	CN=Amazon Root CA 4, O=Amazon, C=US
4be8b5a1c76c6aead0611918fccf9dbd398b67fb12294758bdf994d0f9682f60	CN=ANCERT Certificados Notariales V2, O=Agencia Notarial de Certificacion S.L.U. - CIF B83395988, C=ES
e7e12793643f18bee5b8e53ab5803bb3d59d8e63d14ce6346c004b0dfa34fecc	CN=Cisco Root CA 2099, O=Cisco

指纹	主题
d3d607a9ff24a19523b6da9d2c649446f8788cb96d9fd130972e120c13677730	2.5.4.5=NTRCZ-26439395, CN=I.CA Root CA/RSA, O=První certifikační autorita, a.s., C=CZ
2cabeafe37d06ca22aba7391c0033d25982952c453647349763a3ab5ad6ccf69	CN=GlobalSign, O=GlobalSign, OU=GlobalSign Root CA - R6
DD6936FE21F8F077C123A1A521C12224F72255B73E03A7260693e8a24b0fa389	CN=TeliaSonera Root CA v1, O=TeliaSonera
4b009c1034494f9ab56bba3ba1d62731fc4d20d8955adcec10a925607261e338	CN=SecureSign Root CA14, O=Cybertrust Japan Co., Ltd., C=JP
bc4d809b15189d78db3e1d8cf4f9726a795da1643ca5f1358e1ddb0edc0d7eb3	CN=emSign ECC Root CA - C3, O=eMudhra Inc, OU=emSign PKI, C=US
e59aaa816009c22bff5b25bad37df306f049797c1f81d85ab089e657bd8f0044	CN=D-TRUST BR Root CA 1 2020, O=D-Trust GmbH, C=DE
0a81ec5a929777f145904af38d5d509f66b5e2c58fcd531058b0e17f3f0b41b	CN=AffirmTrust Networking, O=AffirmTrust, C=US
5cc3d78e4e1d5e45547a04e6873e64f90cf9536d1ccc2ef800f355c4c5fd70fd	CN=CFCA EV ROOT, O=中国金融认证中心 · C=CN
69729b8e15a86efc177a57afb7171dfc64add28c2fca8cf1507e34453ccb1470	CN=ISRG Root X2, O=互联网安全研究组 · C=US
dd6c44b39401b053dbe61120748bbb0f6056007665c168e5c286750edc8df129	CN=Entrust 4K TLS Root CA - 2022, O=Entrust, Inc., C=US
b676f2eddae8775cd36cb0f63cd1d4603961f49e6265ba013a2f0307b6d0b804	CN=Certum Trusted Network CA 2, OU=Certum Certification Authority, O=Unizeto Technologies S.A., C=PL
8a71de6559336f426c26e53880d00d88a18da4c6a91f0dcb6194e206c5c96387	CN=vTrus Root CA, O=iTrusChina Co., Ltd., C=CN
e23d4a036d7b70e9f595b1422079d2b91edfbb1fb651a0633eaa8a9dc5f80703	CN=CA Disig Root R2, O=Disig a.s., L=Bratislava, C=SK
88f438dcf8ffd1fa8f429115ffe5f82ae1e06e0c70c375faad717b34a49e7265	CN=NAVER Global Root Certification Authority, O=NAVER Business Platform Corp., C=KR
420332ef876ebe78f2af5d28aaacde24aad0c10f8ffaac469efd7bd941929568	CN=Entrust P384 TLS Root CA - 2022, O=Entrust, Inc., C=US
d8e0fbc1db2e38d00940f37d27d41344d993e734b99d5656d9778d4d8143624	CN=Certum CA, O=Unizeto Sp. z o.o., C=PL
c90f26f0fb1b4018b2227519b5ca2b53e2ca5b3be5cf18efe1bef47380c5383	CN=Sectigo Public Server Authentication Root E46, O=Sectigo Limited, C=GB
97f654859cbde586fd90311e82ec7902c238cba0d6e529564c9c88f44895ec50	CN=ACA ROOT, O=CONSEJO GENERAL DE LA ABOGACIA, 2.5.4.5=Q2863006I, C=ES
55903859c8c0c3ebb8759ece4e2557225ff5758bbd38ebd48276601e1bd58097	CN=Trustwave Global ECC P384 Certification Authority, O=Trustwave Holdings, Inc., L=Chicago, ST=Illinois, C=US
fb8fec759169b9106b1e511644c618c51304373f6c0643088d8beffd1b997599	CN=ANF Secure Server Root CA, OU=ANF CA Raiz, O=ANF Autoridad de Certificacion, C=ES, 2.5.4.5=G63287510
3c5f81fea5fab82c64bfa2eaecafcde8e077fc8620a7cae537163df36edbf378	1.2.840.113549.1.9.1=info@e-szigno.hu, CN=Microsec e-Szigno Root CA 2009, O=Microsec Ltd., L=布达佩斯, C=胡

指纹	主题
2e44102ab58cb85419451c8e19d9acf3662cafbcb614b6a53960a30f7d0e2eb41	CN=TunTrust Root CA, O=Agence Nationale de Certification Electronique, C=TN
73c176434f1bc6d5adf45b0e76e727287c8de57616c1e6e6141a2b2cbc7d8e4c	CN=Entrust Root Certification Authority, OU= (c) 2006 Entrust\, Inc., OU=www.entrust.net/CPS 通过引用并入 · O=Entrust\, Inc., C=US
574DF6931E278039667b720afdc1600fc27eb66dd3092979fb73856487212882	CN=BJCA 全局根 CA2, O=北京证书颁发机构 · C=CN
02ed0eb28c14da45165c566791700d6451d7fb56f0b2ab1d3b8eb070e56edff5	CN=Entrust Root Certification Authority - EC1, OU= (c) 2012 Entrust\, Inc. - 仅供授权使用 · OU=请参见 www.entrust.net/legal-terms,O=Entrust\, Inc., C=US
6b9c08e86eb0f767cfad65cd98b62149e5494a67f5845e7bd1ed019f27b86bd6	CN=OISTE WISEKey Global Root GB GB, OU=OISTE Foundation Endorsed, O=WISEKey, C=CH
2399561127a57125de8cefea610ddf2fa078b5c8067f4e828290bfb860e84b3c	CN=VeriSign Universal Root Certification Authority, OU= (c) 2008 VeriSign\, Inc. - 仅供授权使用 · OU=VeriSign Trust Network, O=VeriSign\, Inc., C=US
1501f89c5c4dcf36cf588a17c9fd7cfceb9ee01e8729be355e25de80eb6284b4	C=ES, O=EDICOM, CN=CAEDICOM 根
81a9088ea59fb364c548a6f85559099b6f0405efbf18e5324ec9f457ba00112f	C=DE, O=Atos, CN=Atos TrustedRoot Root CA RSA TLS 2021
c741f70f4b2a8d88bf2e71c14122ef53ef10eba0cfa5e64cfa20f418853073e0	CN=Microsoft RSA Root Certificate Authority 2017, O=Microsoft Corporation, C=US
063e4afac491dfd332f3089b8542e94617d893d7fe944e10a7937ee29d9693c0	CN=商会根 - 2008, O=AC Camerfirma S.A., 2.5.4.5=A82743287, L=马德里 (见当前地址 www.camerfirma.com/address) , C=EU
50DF022DFA477185b4032a19196cb9840e29a87298830c5962d23f9b0a07dd5e	CN=Internal Private Root, O=Cisco, OU=Corvus
1e51942b84fd467bf77d1c89da241c04254dc8f3ef4c22451fe7a89978bdcd4f	CN=ePKI 根证书颁发机构 - G2, O=中华电信有限公司 · C=TW
4fa3126d8d3a11d1c4855a4f807cbad6cf919d3a5a88b03bea2c6372d93c40c9	CN=GlobalSign Root R46, O=GlobalSign nv-sa, C=BE
2605875afcc176b2d66dd66a995d7f8d5ebb86ce120d0e7e9e7c6ef294a27d4c	C=IL, O=ComSign Ltd., CN=ComSign Global Root CA
4348a0e9444c78cb265e058d5e8944b4d84f9662bd26db257f8934a443c70161	CN=DigiCert Global Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
5d56499be4d2e08bcfad08a3e38723d50503bde706948e42f55603019e528ae	CN=IdenTrust Commercial Root CA 1, O=IdenTrust, C=US
d7ba3f4ff8ad05633451470dda3378a3491b90005e5c687d2b68d53647cfdd66	CN=Halcom Root Certificate Authority, 2.5.4.97=VATSI-43353126, O=Halcom d.d., C=SI

指纹	主题
e778f0f095fe843729cd1a0082179e5314a9c291442805e1fb1d8fb6b8886c3a	CN=SecureSign Root CA15, O=Cybertrust Japan Co., Ltd., C=JP
5ab4fcd180b5b6af0d262a2375a2c77d25602015d96648756611e2e78c53ad3	CN=Fina Root CA, O=Financijska agencija, C=HR
229ccc196d32c98421cc119e78486eebef603aec525c6b88b47abb740692b96	CN=Cisco RXC-R2, O=Cisco Systems, C=US
604d32d036895aed3bfefaeb727c009ec0f2b3cdfa42a1c71730e6a72c3be9d4	CN=MULTICERT Root Certification Authority 01, O=MULTICERT - Serviços de Certificação Electrónica S.A., C=PT
52f0e1c4e58ec629291b60317f074671b85d7ea80d5b07273463534b32b40234	CN=COMODO RSA Certification Authority, O=COMODO CA Limited, L=Salford, ST=Greater Manchester, C=GB
43df5774b03e7fef5fe40d931a7bedf1bb2e6b42738c4e6d3841103d3aa7f339	CN=委托根证书颁发机构 - G2, OU= (c) 2009 Entrust\, Inc. - 仅供授权使用 · OU=请参见 www.entrust.net/legal-terms,O=Entrust\, Inc., C=US
705eaafc3ff488030017d59832603eefad514171b583808675f45c190e6378f8	CN=Cisco Root CA M1, O=Cisco
62dd0be9b9f50a163ea0f8e75c053b1eca57ea55c8688f647c6881f2c8357b95	CN=SwissSign Gold CA - G2, O=SwissSign AG, C=CH
0376ab1d54c5f9803ce4b2e201a0ee7eef7b57b636e8a93c9b8d4860c96f5fa7	CN=AffirmTrust Commercial, O=AffirmTrust, C=US
02BDF96e2a45dd9bf18fc7e1dbdf21a0379ba3c9c2610344cdf8d606fec1ed81	CN=CommScope Public Trust RSA Root-01, O=CommScope, C=US
caca93b9d23d2b6fa76e8b8471931e0df3ec6f63af3cddb936c41954a1872326	CN=Microsoft ECC 产品根目录 2018 Certificate Authority, O=Microsoft Corporation, L=雷德蒙德, ST=华盛顿 · C=US
dec669e322e07cd7c60a56904bf50c29fa1e75071723fc103577e27b226968d5	CN=TRS 捆绑包根 CA, O=Cisco
1ba5b2aa8c65401a82960118f80bec4f62304d83cec4713a19c39c011ea46db4	CN=Amazon Root CA 2, O=Amazon, C=US
c1468cf2254e6004b24696aba209d1a30ba6e2dff68a9a4e32c6ab414f90c8d9	CN=DigiCert ECC P384 Root G5, O=DigiCert\, Inc., C=US
937ef8f12276b3c7a3f58e345d09a6eff01f862f8d2794441cd84d511825fa0c	CN=Entrust P384 EV TLS Root CA - 2022, O=Entrust\, Inc., C=US
578af4ded0853f4e5998db4aeaf9cbea8d945f60b620a38d1a3c13b2bc7ba8e1	CN=Telekom Security TLS ECC Root 2020, O=Deutsche Telekom Security GmbH, C=DE
a1339d33281a0b56e557d3d32b1ce7f9367eb094bd5fa72a7e5004c8ded7cafe	CN=SZAFIR ROOT CA2, O=Krajowa Izba Rozliczeniowa S.A., C=PL
34FF2a4409dc1383e9f8966e8adfe5719eba373fd0ad5e2f49f90ee07cf5d4c1	CN=VRK Gov. Root CA - G2, OU=Varmennepalvelut, OU=Certification Authority Services, O=Vaestorekisterikeskus CA, C=FI
d43af9b35473755c9684fc06d7d8cb70ee5c28e773fb294eb41ee71722924d24	CN=UCA 扩展验证根 · O=UniTrust, C=CN
8ac552ad577e37ad2c6808d72aa331d6a96b4b3febff34ce9bc0578e08055ec3	CN=A-Trust-Root-07,OU=A-Trust-Root-07,O=A-Trust Ges.f. Sicherheitssysteme im elektr. Datenverkehr GmbH, C=AT

指纹	主题
6ec6614e9a8efd47d6318ffdfd0bf65b493a141f77c38d0b319be1bbbc053dd2	CN=瑞士政府根 CA 1, OU=证书颁发机构 · OU=服务 · O=瑞士联邦联邦机构 · C=CH
18ce6cfe7bf14e60b2e347b8dfe868cb31d02ebb3ada271569f50343b46db3a4	CN=Amazon Root CA 3, O=Amazon, C=US
8327bc8c9d69947b3de3c27511537267f59c21b9fa7b613fafbccd53b7024000	CN=Cisco Root CA 2048, O=Cisco Systems
59769007f7685d0fcd50872f9f95d5755a5b2b457d81f3692b610a98672f0e1b	CN=TWCA 全局根 CA, OU=根 CA, O=台湾 -CA, C=TW
1cf341ae35341ac3ae1dc68d5b10dc0c9dc1307656f75fd92ca2c68489d52e9a	CN=MOIS SSL Root CA, O=内政和安全部, C=KR
bf0feefb9e3a581ad5f9e9db7589985743d261085c4d314f6f5d7259aa421612	CN=SecureSign RootCA11, O=Japan Certification Services\, Inc., C=JP
04048028bf1f2864d48f9ad4d83294366a828856553f3b14303f90147f5d40ef	CN=Autoridad de Certificacion Firmaprofesional CIF A62634068, C=ES
873f4685fa7f563625252e6d36bcd7f16fc24951f264e47e1b954f4908cdca13	CN=E-Tugra Global Root CA ECC v3, OU=E-Tugra Trust Center, O=E-Tugra EBG A.S., L=Ankara, C=TR
e3b6a2db2ed7ce48842f7ac53241c7b71d54144bfb40c11f3f1d0b42f5eea12d	CN=Certigna, O=Dhimyotis, C=FR
18f1fc7f205df8adddeb7fe007dd57e3af375a9c4d8d73546bf4f1fed1e18d35	CN=QuoVadis Root CA 3, O=QuoVadis Limited, C=BM
46edc3689046d53a453fb3104ab80dcaec658b2660ea1629dd7e867990648716	CN=图比塔克卡姆 SM SSL Kok Sertifikasi - Surum 1, OU=Kamu Sertifikasyon Merkezi - Kamu SM, O=Turkiye Bilimsel ve Teknolojik Arastirma kurumu - TUBITAK, L=Gebze - Kocaeli, C=TR
be6c4da2bbb9ba59b6f3939768374246c3c005993fa98f020d1dedbed48a81d5	CN=SwissSign Silver CA - G2, O=SwissSign AG, C=CH
30d0895a9a448a262091635522d1f52010b5867acae12c78ef958fd4f4389f2f	CN=IdenTrust Public Sector Root CA 1, O=IdenTrust, C=US
16af57a9f676b0ab126095aa5ebadef22ab31119d644ac95cd4b93dbf3f26aeb	CN=Baltimore CyberTrust Root, OU=CyberTrust, O=Baltimore, C=IE
a7dedf5a842167dd12fdaa0f2080e73295b8b8bea71b2094ea0950945a482fc1	CN=AffirmTrust 4K TLS Root CA - 2022, O=AffirmTrust, C=CA
EEC5496b988ce98625b934092eec2908bed0b0f316c2d4730c84eaf1f3d34881	CN=D-TRUST Root Class 3 CA 2 EV 2009, O=D-Trust GmbH, C=DE
DF545bf919a2439c36983b54cdfc903dfa4f37d3996d8d84b4c31eec6f3c163e	CN=Microsoft Root Certificate Authority 2010, O=Microsoft Corporation, L=Redmond, ST=Washington, C=US
193144f431e0fddb740717d4de926a571133884b4360d30e272913cbe660ce41	CN=SwissSign RSA TLS Root CA 2022 - 1, O=SwissSign AG, C=CH
55926084ec963a64b96e2abe01ce0ba86a64fbfebcc7aab5afc155b37fd76066	CN=Actalis Authentication Root CA, O=Actalis S.p.A./03358520967, L=Milan, C=IT
6c61dac3a2def031506be036d2a6fe401994fbd13df9c8d466599274c446ec98	CN=NetLock Arany (Class Gold) Főtanúsítvány, OU=Tanúsítványkiadók (Certification Services), O=NetLock Kft., L=Budapest, C=胡

指纹	主题
7431e5f4c3c1ce4690774f0b61e05440883ba9a01ed00ba6abd7806ed3b118cf	CN=DigiCert High Assurance EV Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
b2fae53e14ccd7ab9212064701ae279c1d8988facb775fa8a008914e663988a8	C=DE, O=Atos, CN=Atos TrustedRoot Root CA ECC TLS 2021
c3846bf24b9e93ca64274c0ec67c1ecc5e024ffcacd2d74019350e81fe546ae4	OU=Go Daddy Class 2 Certification Authority, O=The Go Daddy Group\, Inc., C=US
AC7f7862e685c7a7d9826a58ea32d183d4893fcc8f8fd6d900c9769a987e77f0	CN=PostSignum Root QCA 4, O=Česká pošta\, s.p., 2.5.4.97=NTRCZ-47114983, C=CZ
49e7a442acf0ea6287050054b52564b650e4f49e42e348d6aa38e039e957b1c1	CN=D-TRUST Root Class 3 CA 2 2009, O=D-Trust GmbH, C=DE
d2358cf65519d8e74cb71ed5a4b3f60db4fad1baf09d5c4ae5e8c7edb4448aa2	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com, CN=Cisco Ss Business Provisioning Root Authority 1, OU=Cisco S Business Certificate Authority, O=Cisco S Business L=San Jose, ST=California, C=US
a736e303e6413c44e725704bf957933f1dd669f9c7e84ce701d72abb208471c8	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com, CN=Cisco Ss Business Provisioning Root Authority 2, OU=Cisco S Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California, C=US
e793c9b02fd8aa13e21c31228accb08119643b749c898964b1746d46c3d4cbd2	CN=USERTrust RSA Certification Authority, O=The USERTRUST Network, L=泽西市 · ST=新泽西 · C=US
8d25cd97229dbf70356bda4eb3cc734031e24cf00fafcfd32dc76eb5841c7ea8	CN=GTS Root R2, O=Google Trust Services LLC, C=US
4ff460d54b9c86dabfbcfc5712e0400d2bed3fbc4d4fbd8aa86e06adcd2a9ad7a	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=泽西城 · ST=新泽西 · C=US
568d6905a2c88708a4b3025190edcfedb1974a606a13c6e5290fcb2ae63edab5	CN=Starfield Services Root Certificate Authority - G2, O=Starfield Technologies\, Inc., L=Scottsdale, ST=Arizona, C=US
96BCEC06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6	CN=ISRG 根 X1, O=互联网安全研究组 · C=美国
d649c40830aab9869f2536f933c4050746659b31dfa735405e4f7ad447c20d5	CN=Cisco 基本保障根 CA 2099, O=Cisco
31ad6648f8104138c738f39ea4320133393e3a18cc02296ef97c2ac9ef6731d0	CN=DigiCert Global Root G3, OU=www.digicert.com, O=DigiCert Inc, C=US
0da80cc491638f8c756396e0afac16079829fa06697bfe6d7ee93a6a0c9e212d	CN=IT Private Root CA, O=Cisco, OU=Phoenix
3a6308acd77a5a33d8da04d669fa00f8e5ae153f259087678b76bf1654b30a06	CN=Cisco ECC Root CA, O=Cisco
f1b52392c4a4ec2a8709b1308304a911ffcec2ce0b63a94f9e969164567c4925	CN=Cisco 许可根 CA, O=Cisco
CD85167B3935E27BCC3b0f5fa24c8457882d0bb994f88269a7f72829d957eae9	CN=Cisco Root CA M2, O=Cisco

指纹	主题
b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2	CN=GlobalSign, O=GlobalSign, OU=GlobalSign ECC Root CA - R4
85a0dd7dd720adb7ff05f83d542b209dc7ff4528f7d677b18389fea5e5c49e86	CN=QuoVadis Root CA 2, O=QuoVadis Limited, C=BM
9a114025197c5bb95d94e63d55cd43790847b646b23cdf11ada4a00eff15fb48	CN=Buypass Class 2 Root CA, O=Buypass AS-983163327, C=NO
34d8a73ee208d9bcdb0d956520934b4e40e69482596e8b6f73c8426b010a6f48	CN=GTS Root R3, O=Google Trust Services LLC, C=US
8ECDe6884F3d87b1125ba31ac3fcb13d7016de7f57cc904fe1cb97c6ae98196e	CN=Amazon Root CA 1, O=Amazon, C=US
349DFA4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d	CN=GTS Root R4, O=Google Trust Services LLC, C=US
41dfd9c52d71f6a2c7f1083aa8f80153ff6ec23349d2599de347adbe423504f3	CN=内部客户根 CA, O=Cisco, OU=Arcturus
d947432abde7b7fa90fc2e6b59101b1280e0e1c7e4e40fa3c6887fff57a7f4cf	CN=GTS Root R1, O=Google Trust Services LLC, C=US
cb3ccbb76031e5e0138f8dd39a23f9de47ffc35e43c1144cea27d46a5ab1cb5f	CN=DigiCert Global Root G2, OU=www.digicert.com, O=DigiCert Inc, C=US
9ee289cc39971c15e94beb65142d360b5873feb970de1f9fda53ac26d10b25c6	CN=IT Application Root CA, O=Cisco, OU=Pollux
e35d28419ed02025cfa69038cd623962458da5c695fbdea3c22b0bfb25897092	CN=Amazon Root CA 4, O=Amazon, C=US
e7e12793643f18bee5b8e53ab5803bb3d59d8e63d14ce6346c004b0dfa34fecc	CN=Cisco Root CA 2099, O=Cisco
69729b8e15a86efc177a57afb7171dfc64add28c2fca8cf1507e34453ccb1470	CN=ISRG Root X2, O=互联网安全研究组 · C=US
50DF022DFA477185b4032a19196cb9840e29a87298830c5962d23f9b0a07dd5e	CN=Internal Private Root, O=Cisco, OU=Corvus
4348a0e9444c78cb265e058d5e8944b4d84f9662bd26db257f8934a443c70161	CN=DigiCert Global Root CA, OU=www.digicert.com, O=DigiCert Inc, C=US
5d56499be4d2e08bcfcad08a3e38723d50503bde706948e42f55603019e528ae	CN=IdenTrust Commercial Root CA 1, O=IdenTrust, C=US
229ccc196d32c98421cc119e78486eebef603aec525c6b88b47abb740692b96	CN=Cisco RXC-R2, O=Cisco Systems, C=US
705eaafc3ff488030017d59832603eefad514171b583808675f45c190e6378f8	CN=Cisco Root CA M1, O=Cisco
dec669e322e07cd7c60a56904bf50c29fa1e75071723fc103577e27b226968d5	CN=TRS 捆绑包根 CA, O=Cisco
1ba5b2aa8c65401a82960118f80bec4f62304d83cec4713a19c39c011ea46db4	CN=Amazon Root CA 2, O=Amazon, C=US
18ce6cfe7bf14e60b2e347b8dfe868cb31d02ebb3ada271569f50343b46db3a4	CN=Amazon Root CA 3, O=Amazon, C=US
8327bc8c9d69947b3de3c27511537267f59c21b9fa7b613fafbccd53b7024000	CN=Cisco Root CA 2048, O=Cisco Systems
16af57a9f676b0ab126095aa5ebadef22ab31119d644ac95cd4b93dbf3f26aeb	CN=Baltimore CyberTrust Root, OU=CyberTrust, O=Baltimore, C=IE
d2358cf65519d8e74cb71ed5a4b3f60db4fad1baf09d5c4ae5e8c7edb4448aa2	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com, CN=Cisco Ss Business Provisioning Root Authority 1, OU=Cisco S Business Certificate Authority, O=Cisco S Business L=San Jose, ST=California, C=US

指纹	主题
a736e303e6413c44e725704bf957933f1dd669f9c7e84ce701d72abb208471c8	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com, CN=Cisco Ss Business Provisioning Root Authority 2, OU=Cisco S S Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California, C=US