



## 신뢰 목록 Certificate Authority

### Cisco Desk Phone 9800 시리즈 및 Cisco Video Phone 8875

첫 게시일: 2025년 1월 22일

전화기의 인증 기관은 전화기가 등록된 통화 시스템 및 전화기의 펌웨어 버전에 따라 다릅니다.

이 파일은 PhoneOS 릴리스 3.3.1용이며 다음 두 개의 목록이 포함되어 있습니다.

- Cisco Unified Communications Manager의 온-프레미스 전화기에 대한 신뢰 목록(2-14페이지 참조)
- Cisco BroadWorks 또는 타사 Open SIP 플랫폼의 다중 플랫폼 전화기에 대한 신뢰 목록(14-27페이지 참조)

## Cisco Unified Communications Manager에 대한 CA 신뢰 목록

지문	제목
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=Madrid (www.camerfirma.com/address의 현재 주소 참조),C=EU
6e0bff069a26994c15de2c4888cc54af84882e5495b7fbf66be9ccffec7489f6	CN=Autoridade Certificadora Raiz Brasileira v10,OU=Instituto Nacional de Tecnologia da Informação - ITI, O=ICP-Brasil,C=BR
edf7ebbc27a2a384d387b7d4010c666e2edb4843e4c29b4ae1d5b9332e6b24d	CN=Buypass Class 3 루트 CA, O=Buypass AS-983163327,C=NO
5a2fc03f0c83b090bbfa40604b0988446c7636183df9846e17101a447fb8efd6	CN=홍콩 포스트 루트 CA 3,O=홍콩 포스트, L=홍콩, ST=홍콩, C=HK
e793c9b02fd8aa13e21c31228accb08119643b749c898964b1746d46c3d4cbd2	CN=USERTrust RSA 인증 기관, O=USERTRUST 네트워크, L=저지 시티, ST=뉴저지, C=US
416b1f9e84e74c1d19b23d8d7191c6ad81246e641601f599132729f507beb3cc	CN=GLOBALTRUST 2015,OU=GLOBALTRUST Certification Service, O=e-commerce monitoring GmbH, L=Wien,ST=Wien,C=AT
a040929a02ce53b4acf4f2ffc6981ce4496f755e6d45fe0b2a692bcd52523f36	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority, L=Athens,C=GR
8d25cd97229dbf70356bda4eb3cc734031e24cf00fafcfd32dc76eb5841c7ea8	CN=GTS 루트 R2,O=Google 트러스트 서비스 LLC, C=미국
f4336bc2ac75950becfc1c1f2f9da6dddafd1f41161ca71f59c76889bd474033	CN=ANCERT Certificados CGN V2,O=Agencia Notarial de Certificación S.L.U. - CIF B83395988,C=ES
4ff460d54b9c86dabfbcfc5712e0400d2bed3fbc4d4fbd4a86e06adcd2a9ad7a	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=Jersey City, ST=New Jersey, C=US
647987d98d52645da4d3de3b80771a0ce02b9b9285e6e86999882170744ec9aa	CN=Entrust 4K EV TLS 루트 CA - 2022,O=Entrust\, Inc.,C=US
8faf7d2e2cb4709b8e0b33666bf75a5dd45b5de480f8ea8d4bfe6bebc17f2ed	CN=SSL.com TLS RSA 루트 CA 2022,O=SSL Corporation, C=US
5c58468d55f58e497e743982d2b50010b6d165374acf83a7d4a32db768c4408e	CN=Certum Trusted Network CA, OU=Certum Certification Authority, O=Unizeto Technologies SA,C=PL
f356bea244b7a91eb35d53ca9ad7864ace018e2d35d5f8f96ddf68a6f41aa474	C=DE,O=아토스,CN=아토스 TrustedRoot 2011

지문	제목
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 루트 인증 기관, OU=루트 CA, O=TAIWAN-CA,C=TW
15d5b8774619ea7d54ce1ca6d0b0c403e037a917f131e8a04e1e6b7a71babce5	CN=GTS 루트 R3,O=Google Trust Services LLC, C=미국
44b545aa8a25e65a73ca15dc27fc36d24c1cb9953a066539b11582dc487b4833	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority, L=Athens,C=GR
db3517d1f6732a2d5ab97c533ec70779ee3270a62fb4ac4238372460e6f01e88	CN=Entrust Root 인증 기관 - G4,OU=(c) 2015 Entrust\, Inc. - 승인된 용도로만 사용, OU=www.entrust.net/legal-terms,O=Entrust\, Inc.,C=US 참조
c0a6f4dc63a24bfdcf54ef2a6a082a0a72de35803e2ff5ff527ae5d87206dfd5	OU=ePKI Root Certification Authority, O=Chunghwa Telecom Co.\, Ltd.,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 <a href="https://www.catcert.net/verarrel">https://www.catcert.net/verarrel</a> (c)03,OU=Serveis Publics de Certificacio, O=Agencia Catalana de Certificacio (NIF Q-0801176-I),C=ES
568d6905a2c88708a4b3025190edcfedb1974a606a13c6e5290fcb2ae63edab5	CN=Starfield Services 루트 Certificate Authority - G2,O=Starfield Technologies\, Inc.,L=Scottsdale,ST=Arizona,C=US
85666a562ee0be5ce925c1d8890a6f76a87ec16d4d7d5f29ea7419cf20123b69	CN=SSL.com 루트 인증 기관 RSA, O=SSL Corporation, L=Houston,ST=Texas,C=US
CBB522D7B7F127AD6A0113865bdf1cd4102e7d0759af635a7cf4720dc963c53b	CN=GlobalSign,O=GlobalSign,OU=GlobalSign 루트 CA - R3
2e7bf16cc22485a7bbe2aa8696750761b0ae39be3b2fe9d0cc6d4ef73491425c	CN=SSL.com EV 루트 인증 기관 RSA R2,O=SSL Corporation, L=Houston,ST=Texas,C=US
179fbc148a3dd00fd24ea13458cc43bfa7f59c8182d783a513f6ebec100c8924	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R5
24a55c2ab051442d0617766541239a4ad032d7c55175aa34ffde2fbc4f5c5294	CN=Security Communication RootCA3,O=SECOM Trust Systems CO.\,LTD.,C=JP
1a0d20445de5ba1862d19ef880858cbce50102b36e8f0a040c3c69e74522fe6e	CN=COMODO Certification Authority, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
22a2c1f7bded704cc1e701b5f408c310880fe956b5de2a4a44f99c873a25a7c8	CN=SSL.com EV 루트 인증 기관 ECC, O=SSL Corporation, L=Houston,ST=Texas,C=US
기원전 96년06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6	CN=ISRG 루트 X1,O=인터넷 보안 연구 그룹, C=US

지문	제목
45140b3247eb9cc8c5b4f0d7b53091f73292089e6e5a63e2749dd3aca9198eda	CN=Go Daddy Root Certificate Authority - G2,O=GoDaddy.com\, Inc.,L=Scottsdale,ST=Arizona,C=US
FAD540811AFAE0DC767CDF6572A088FA3CE8493DD82B3B869A67D10AAB4E8124	CN=SI-TRUST 루트, 2.5.4.97=VATSI-17659957,O=슬로베니아 공화국, C=SI
08170d1aa36453901a2f959245e347db0c8d37abaabc56b81aa100dc958970db	CN=D-TRUST EV 루트 CA 1 2020,O=D-Trust GmbH, C=DE
0c2cd63df7806fa399ede809116b575bf87989f06518f9808c860503178baf66	CN=COMODO Certification Authority, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
bd71fdf6da97e4cf62d1647add2581b07d79adf8397eb4ecba9c5e8488821423	CN=AffirmTrust 프리미엄 ECC, O=AffirmTrust,C=미국
beb00b30839b9bc32c32e4447905950641f26421b15ed089198b518ae2ea1b99	CN=e-Szigno 루트 CA 2017,2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=Budapest,C=HU
EBD41040E4BB3EC742C9E381D31EF2A41A48B6685C96E7CEF3C1DF6CD4331C99	CN=GlobalSign 루트 CA, OU=루트 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 Basic Assurance Root CA 2099,O=Cisco
2a8da2f8d23e0cd3b5871ecfb0f42276ca73230667f474eede71c5ee32cc3ec6	CN=Thailand National Root Certification Authority - G1,OU=Thailand National Root Certification Authority, O=Electronic Transactions Development Agency (Public Organization),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 보증 ID 루트 CA, OU=www.digicert.com,O=DigiCert Inc, C=US
0da80cc491638f8c756396e0afac16079829fa06697bfe6d7ee93a6a0c9e212d	CN=IT 개인 루트 CA, O=Cisco,OU=Phoenix
2530cc8e98321502bad96f9b1fba1b099e2d299e0f4548bb914f363bc0d4531f	CN=izenpe.com,O=IZENPE S.A.,C=ES
3a6308acd77a5a33d8da04d669fa00f8e5ae153f259087678b76bf1654b30a06	CN=Cisco ECC 루트 CA, O=Cisco
2ffb7f813bbb3c89ab4e8162d0f16d71509a830cc9d73c262e5140875d1ad4a	CN=CommScope Public Trust ECC Root-02,O=CommScope,C=US
f1b52392c4a4ec2a8709b1308304a911ffcec2ce0b63a94f9e969164567c4925	CN=Cisco 라이선싱 루트 CA, O=Cisco
71cca5391f9e794b04802530b363e121da8a3043bb26662fea4dca7fc951a4bd	CN=GTS 루트 R4,O=Google Trust Services LLC, C=미국
F3896F88FE7C0A882766A7FA6AD2749FB57A7F3E98FB769C1FA7B09C2C44D5AE	CN=BJCA 전역 루트 CA1,O=BEIJING CERTIFICATE AUTHORITY, C=CN

지문	제목
4200f5043ac8590ebb527d209ed1503029fbcdbd41ca1b506ec27f15ade7dac69	CN=Secure Global CA, O=SecureTrust Corporation, C=US
3f63bb2814be174ec8b6439cf08d6d56f0b7c405883a5648a334424d6b3ec558	CN=TWCA 사이버 루트 CA, OU=루트 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 인증서 서비스, O=Comodo CA Limited, L=Salford,ST=Greater Manchester, C=GB
242b69742fcb1e5b2abf98898b94572187544e5b4d9911786573621f6a74b82c	CN=Telia Root CA v2,O=Telia Finland Oyj, C=FI
ad016f958050e0e7e46fae7dcc50197ed8e3ff0a4b262e5ddcdb3edddc7d6578	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
6 <sup>┐</sup> 328085625318aa50d173c98d8bda09d57e27413d114cf787a0f5d06c030cf6	CN=Certum EC-384 CA, OU=Certum Certification Authority, O=Asseco Data Systems SA,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 루트 CA, O=iTrusChina Co.,Ltd.,C=CN
BC104F15A48BE709DCA542A7E1D4B9DF6F054527E802EAA92D595444258afe71	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority, 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 루트 R1,O=Google Trust Services LLC, C=미국
018e13f0772532cf809bd1b17281867283fc48c6e13be9c69812854a490c1b05	CN=DigiCert TLS ECC P384 Root G5,O=DigiCert, Inc.,C=US
6dc47172e01cbcb0bf62580d895fe2b8ac9ad4f873801e0c10b9c837d21eb177	CN=Entrust.net 인증 기관(2048),OU=(c) 1999 Entrust.net Limited, OU=www.entrust.net/CPS_2048 incorp. by ref. (liab 제한),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=대한민국 정부, C=KR
cd85167b3935e27bcc3b0f5fa24c8457882d0bb994f88269a7f72829d957eae9	CN=Cisco 루트 CA M2,O=Cisco

지문	제목
d48d3d23eedb50a459e55197601c27774b9d7b18c94d5a059511a10250b93168	CN=Certigna 루트 CA, OU=0002 48146308100036,O=Dhimyotis,C=FR
8f9adb6d895dab5adf5c3d3fab83927be0fb64ef82485c62280d584e8bd55d22	CN=Swedish Government Root Authority v3,O=Swedish Social Insurance Agency, C=SE
bfff8fd04433487d6a8aa60c1a29767a9fc2bbb05e420f713a13b992891d3893	CN=GDCA TrustAUTH R5 루트, O=GUANG DONG CERTIFICATE AUTHORITY CO.,LTD.,C=CN
c32ffd9f46f936d16c3673990959434b9ad60aafbb9e7cf33654f144cc1ba143	CN=SSL.com TLS ECC 루트 CA 2022,O=SSL Corporation, C=US
88ef81de202eb018452e43f864725cea5fbd1fc2d9d205730709c5d8b8690f46	CN=QuoVadis 루트 CA 3 G3,O=QuoVadis 제한, C=BM
b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R4
7a38f708a35a31e42e1cf3220f9a2d273e7666354618b2464657d43d8e77adc2	CN=A-Trust-Root-09,OU=A-Trust-Root-09,O=A-Trust GmbH, C=AT
8560f91c3624daba9570b5fea0dbe36ff11a8323be9486854fb3f34a5571198d	CN=OISTE WISEKey 글로벌 루트 GC CA, OU=OISTE 재단 승인, O=WISEKey,C=CH
9a6ec012e1a7da9dbe34194d478ad7c0db1822fb071df12981496ed104384113	C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1
b4585f22e4ac756a4e8612a1361c5d9d031a93df84febb778fa3068b0fc42dc2	CN=확실히 루트 E1,O=확실히,C=US
C2157309d9aee17bf34f4df5e88dbaeba57e0361eb814cbc239f4d54d329a38d	CN=Főtanúsítványkiadó - Kormányzati Hitelesítés Szolgáltató, O=NISZ Nemzeti Infokommunikációs Szolgáltató Zrt.,L=Budapest,C=HU
86a1ecba089c4a8d3bbe2734c612ba341d813e043cf9e8a862cd5c57a36bbe6b	CN=emSign ECC 루트 CA - G3,O=eMudhra Technologies Limited, OU=emSign PKI, C=IN
1793927a0614549789adce2f8f34f7f0b66d0f3ae3a3b84d21ec15dbba4fad7	CN=COMODO ECC Certification Authority, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
C34C5DF53080078ffe45b21a7f600469917204f4f0293f1d7209393e5265c04f	CN=CCA 인도 2015 SPL, O=인도 PKI, C=IN
a3cc68595dfe7e86d8ad1772a8b5284add54ace3b8a798df47bccafb1fdb84df	CN=핫스팟 2.0 신뢰 루트 CA - 03,O=WFA 핫스팟 2.0,C=US
1465fa205397b876faa6f0a9958e5590e40fcc7faa4fb7c2c8677521fb5fb658	OU=Starfield Class 2 인증 기관, O=Starfield Technologies\, Inc.,C=US
85a0dd7dd720adb7ff05f83d542b209dc7ff4528f7d677b18389fea5e5c49e86	CN=QuoVadis 루트 CA 2,O=QuoVadis 제한, 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

지문	제목
f015ce3cc239bfef064be9f1d2c417e1a0264a0a94be1f0c8d121864eb6949cc	CN=HIPKI 루트 CA - G1,O=Chunghwa Telecom Co., Ltd.,C=TW
57de0583efd2b26e0361da99da9df4648def7ee8441c3b728afa9bcde0f9b26a	CN=Autoridad de Certificación Firmaprofesional CIF A62634068,C=ES
9 <sup>7</sup> 114025197c5bb95d94e63d55cd43790847b646b23cdf11ada4a00eff15fb48	CN=Buyypass Class 2 루트 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 글로벌 G2 루트, 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=HU
34d8a73ee208d9bcdb0d956520934b4e40e69482596e8b6f73c8426b010a6f48	CN=GTS 루트 R3,O=Google Trust Services LLC, C=미국
cbb9c44d84b8043e1050ea31a69f514955d7bfd2e2c6b49301019ad61d9f5058	CN=GlobalSign 루트 E46,O=GlobalSign nv-sa,C=BE
8ecde6884f3d87b1125ba31ac3fcb13d7016de7f57cc904fe1cb97c6ae98196e	CN=아마존 루트 CA 1,O=아마존,C=미국
3c4fb0b95ab8b30032f432b86f535fe172c185d0fd39865837cf36187fa6f428	CN=Staat der Nederlanden Root CA - G3,O=Staat der Nederlanden, C=NL
aaa962c4fa4a6bafbebe415196d351ccd888d4f53f3fa8ae6d7c466a94e6042bb	OU=certSIGN ROOT CA, O=certSIGN,C=RO
349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d	CN=GTS 루트 R4,O=Google Trust Services LLC, C=미국
04f1bec36951bc1454a904ce32890c5da3cde1356b7900f6e62dfa2041ebad51	CN=상공회의소 루트 - 2016,O=AC CAMERFIRMA S.A.,2.5.4.97=VATES-A82743287,2.5.4.5=A82743287,OU=상공회의소 루트 - 2016,OU=www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES의 현재 주소 참조
7bb647a62aeeac88bf257aa522d01ffea395e0ab45c73f93f65654ec38f25a06	CN=Sectigo 공용 서버 인증 루트 R46,O=Sectigo 제한됨, C=GB
77b82cd8644c4305f7acc5cb156b45675004033d51c60c6202a8e0c33467d3a0	CN=확실히 루트 R1,O=확실히,C=US
d95d0e8eda79525bf9beb11b14d2100d3294985f0c62d9fabd9cd999eccb7b1d	CN=HARICA TLS RSA Root CA 2021,O=그리스 학술 및 연구 기관 CA, C=GR
371a00dc0533b3721a7eeb40e8419e70799d2b0a0f2c1d80693165f7cec4ad75	CN=DigiCert TLS RSA4096 Root G5,O=DigiCert\, Inc.,C=US
41dfd9c52d71f6a2c7f1083aa8f80153ff6ec23349d2599de347adbe423504f3	CN=내부 고객 루트 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

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9a296a5182d1d451a2e37f439b74daafa267523329f90f9a0d2007c334e23c9a	CN=GLOBALTRUST 2020,O=e-commerce monitoring GmbH, C=AT
11437cda7bb45e41365f45b39a38986b0de00def348e0c7bb0873633800bc38b	CN=CommScope Public Trust ECC Root-01,O=CommScope,C=US
125609aa301da0a249b97a8239cb6a34216f44dcac9f3954b14292f2e8c8608f	CN=emSign 루트 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=www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES의 현재 주소 참조
3F99CC474ACFCE4DFED58794665e478d1547739f2e780f1bb4ca9b133097d401	CN=HARICA TLS ECC Root CA 2021,O=그리스 학술 및 연구 기관 CA, C=GR
8fe4fb0af93a4d0d67db0bebb23e37c71bf325dcbccd240ea04daf58b47e1840	CN=QuoVadis 루트 CA 2 G3,O=QuoVadis 제한, C=BM
8a866fd1b276b57e578e921c65828a2bed58e9f2f288054134b7f1f4bfc9cc74	CN=QuoVadis 루트 CA 1 G3,O=QuoVadis 제한, C=BM
7e37cb8b4c47090cab36551ba6f45db840680fba166a952db100717f43053fc2	CN=DigiCert 보증 ID 루트 G3,OU=www.digicert.com,O=DigiCert Inc, C=US
fe7696573855773e37a95e7ad4d9cc96c30157c15d31765ba9b15704e1ae78fd	CN=Certum 신뢰할 수 있는 루트 CA, OU=Certum 인증 기관, O=Asseco Data Systems SA,C=PL
3417bb06cc6007da1b961c920b8ab4ce3fad820e4aa30b9acbc4a74ebdcebc65	CN=SSL.com 루트 인증 기관 ECC, O=SSL Corporation, L=Houston,ST=Texas,C=US
c45d7bb08e6d67e62e4235110b564e5f78fd92ef058c840aea4e6455d7585c60	CN=GTS 루트 R2,O=Google 트러스트 서비스 LLC, C=미국
f9a17a00e5c294ba9614a715819af57f3fd48cc413453fbb8a5fc7e97964e2bc	C=CZ,2.5.4.97=NTRCZ-26439395,O=První certifikační autorita, a.s.,CN=.CA TLS 루트 CA/RSA 05/2022
2a99f5bc1174b73cbb1d620884e01c34e51ccb3978da125f0e33268883bf4158	CN=Certinomis - 루트 CA, OU=0002 433998903,O=Certinomis,C=FR
e46a392204a8dca342a71c1ca9a60c9185b9a930370120c3b9c7e3856f0d8f3b	CN=DigiCert RSA4096 Root G5,O=DigiCert, Inc.,C=US
D947432ABDE7B7FA90FC2E6B59101B1280E0E1C7E4E40FA3C6887FFF57A7F4CF	CN=GTS 루트 R1,O=Google Trust Services LLC, C=미국
40f6af0346a99aa1cd1d555a4e9cce62c7f9634603ee406615833dc8c8d00367	CN=emSign 루트 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
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



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945bbc825ea554f489d1fd51a73ddf2ea624ac7019a05205225c22a78ccfa8b4	CN=Trustwave Global ECC P256 인증 기관, O=Trustwave Holdings\, Inc.,L=Chicago,ST=Illinois,C=US
7a77c6c61eeeb9aa65c4ea410d65d895b26a81123283009db104b48de80b2479	CN=OATI WebCARES 루트 CA, O=Open Access Technology International Inc, L=미니애폴리스,ST=MN,C=US
3fd4be8baad2f26e1bde06c7584bb720dd1a972d111f5a4999bc44b08fb4960d	CN=Microsoft ECC TS 루트 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 애플리케이션 루트 CA, O=Cisco,OU=Pollux
BEC94911C2955676db6c0a550986d76e3ba005667c442c9762b4fbb773de228c	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R4
70a73f7f376b60074248904534b11482d5bf0e698ecc498df52577ebf2e93b9a	CN=AffirmTrust 프리미엄, O=AffirmTrust,C=미국
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 신뢰할 수 있는 루트 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
cecdcc905099d8dadfc5b1d209b737cbe2c18cfb2c10c0ff0bcf0d3286fc1aa2	CN=XRamp Global Certification Authority, O=XRamp Security Services Inc, OU=www.xrampsecurity.com,C=US
e35d28419ed02025cfa69038cd623962458da5c695fbdea3c22b0bfb525897092	CN=아마존 루트 CA 4,O=아마존,C=미국
4be8b5a1c76c6aead0611918fccf9dbd398b67fb12294758bdf994d0f9682f60	CN=ANCERT Certificados Notariales V2,O=Agencia Notarial de Certificación 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 루트 CA - R6
dd6936fe21f8f077c123a1a521c12224f72255b73e03a7260693e8a24b0fa389	CN=TeliaSonera 루트 CA v1,O=TeliaSonera

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4b009c1034494f9ab56bba3ba1d62731fc4d20d8955adcec10a925607261e338	CN=SecureSign Root CA14,O=Cybertrust Japan Co.,Ltd.,C=JP
bc4d809b15189d78db3e1d8cf4f9726a795da1643ca5f1358e1ddb0edc0d7eb3	CN=emSign ECC 루트 CA - C3,O=eMudhra Inc, OU=emSign PKI, C=US
e59aaa816009c22bff5b25bad37df306f049797c1f81d85ab089e657bd8f0044	CN=D-TRUST BR 루트 CA 1 2020,O=D-Trust GmbH, C=DE
0a81ec5a929777f145904af38d5d509f66b5e2c58fcd531058b0e17f3f0b41b	CN=AffirmTrust 넷워킹, O=AffirmTrust,C=미국
5cc3d78e4e1d5e45547a04e6873e64f90cf9536d1ccc2ef800f355c4c5fd70fd	CN=CFCA EV 루트, O=중국 금융 인증 기관, C=CN
69729b8e15a86efc177a57afb7171dfc64add28c2fca8cf1507e34453ccb1470	CN=ISRG 루트 X2,O=인터넷 보안 연구 그룹, C=US
dd6c44b39401b053dbe61120748bbb0f6056007665c168e5c286750edc8df129	CN=Entrust 4K TLS 루트 CA - 2022,O=Entrust\, Inc.,C=US
b676f2eddae8775cd36cb0f63cd1d4603961f49e6265ba013a2f0307b6d0b804	CN=Certum Trusted Network CA 2,OU=Certum Certification Authority, O=Unizeto Technologies SA,C=PL
8a71de6559336f426c26e53880d00d88a18da4c6a91f0dcb6194e206c5c96387	CN=vTrus 루트 CA, O=iTrusChina Co.,Ltd.,C=CN
e23d4a036d7b70e9f595b1422079d2b91edfbb1fb651a0633eaa8a9dc5f80703	CN=CA Disig Root R2,O=Disig a.s.,L=브라티슬라바,C=SK
88f438dcf8ffd1fa8f429115ffe5f82ae1e06e0c70c375faad717b34a49e7265	CN=NAVER Global Root Certification Authority, O=네이버 비즈니스 플랫폼 주식회사,C=KR
420332ef876ebe78f2af5d28aaacde24aad0c10f8ffaac469efd7bd941929568	CN=Entrust P384 TLS 루트 CA - 2022,O=Entrust\, Inc.,C=US
d8e0fcb1db2e38d00940f37d27d41344d993e734b99d5656d9778d4d8143624	CN=Certum CA, O=Unizeto Sp. z o.o.,C=PL
c90f26f0fb1b4018b22227519b5ca2b53e2ca5b3be5cf18efe1bef47380c5383	CN=Sectigo 공용 서버 인증 루트 E46,O=Sectigo Limited, C=GB
97f654859cbde586fd90311e82ec7902c238cba0d6e529564c9c88f44895ec50	CN=ACA 루트, O=CONSEJO GENERAL DE LA ABOGACIA, 2.5.4.5=Q2863006I,C=ES
55903859c8c0c3ebb8759ece4e2557225ff5758bbd38ebd48276601e1bd58097	CN=Trustwave Global ECC P384 인증 기관, O=Trustwave Holdings\, Inc.,L=Chicago,ST=Illinois,C=US
fb8fec759169b9106b1e511644c618c51304373f6c0643088d8beffd1b997599	CN=ANF 보안 서버 루트 CA, OU=ANF CA Raiz, O=ANF Autoridad de Certificación, 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=Budapest,C=HU
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 참조로 통합됨, O=Entrust\, Inc.,C=US
574df6931e278039667b720afdc1600fc27eb66dd3092979fb73856487212882	CN=BJCA 글로벌 루트 CA2,O=BEIJING CERTIFICATE AUTHORITY, C=CN

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02ed0eb28c14da45165c566791700d6451d7fb56f0b2ab1d3b8eb070e56edff5	CN=Entrust Root Certification Authority - EC1,OU=(c) 2012 Entrust\, Inc. - 승인된 용도로만 사용, OU=www.entrust.net/legal-terms,O=Entrust\, Inc.,C=US 참조
6b9c08e86eb0f767cfad65cd98b62149e5494a67f5845e7bd1ed019f27b86bd6	CN=OISTE WISEKey 글로벌 루트 GB CA, OU=OISTE 재단 승인, O=WISEKey,C=CH
2399561127a57125de8cefea610ddf2fa078b5c8067f4e828290bfb860e84b3c	CN=VeriSign Universal Root Certification Authority, OU=(c) 2008 VeriSign\, Inc. - 승인된 용도로만 사용, OU=VeriSign Trust Network, O=VeriSign\, Inc.,C=US
1501f89c5c4dcf36cf588a17c9fd7cfceb9ee01e8729be355e25de80eb6284b4	C=ES,O=EDICOM,CN=CAEDICOM 루트
81a9088ea59fb364c548a6f85559099b6f0405efbf18e5324ec9f457ba00112f	C=DE,O=Atos,CN=Atos TrustedRoot 루트 CA RSA TLS 2021
c741f70f4b2a8d88bf2e71c14122ef53ef10eba0cfa5e64cfa20f418853073e0	CN=Microsoft RSA 루트 Certificate Authority 2017,O=Microsoft Corporation, C=US
063e4afac491dfd332f3089b8542e94617d893d7fe944e10a7937ee29d9693c0	CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,2.5.4.5=A82743287,L=Madrid (www.camerfirma.com/address의 현재 주소 참조),C=EU
50df022dfa77185b4032a19196cb9840e29a87298830c5962d23f9b0a07dd5e	CN=Internal Private Root, O=Cisco,OU=Corvus
1e51942b84fd467bf77d1c89da241c04254dc8f3ef4c22451fe7a89978bdcd4f	CN=ePKI 루트 인증 기관 - G2,O=Chunghwa Telecom Co.\, Ltd.,C=TW
4fa3126d8d3a11d1c4855a4f807cbad6cf919d3a5a88b03bea2c6372d93c40c9	CN=GlobalSign 루트 R46,O=GlobalSign nv-sa,C=BE
2605875afcc176b2d66dd66a995d7f8d5ebb86ce120d0e7e9e7c6ef294a27d4c	C=IL,O=ComSign Ltd.,CN=ComSign 글로벌 루트 CA
4348a0e9444c78cb265e058d5e8944b4d84f9662bd26db257f8934a443c70161	CN=DigiCert Global Root CA, OU=www.digicert.com,O=DigiCert Inc, C=US
5d56499be4d2e08bcfcad08a3e38723d50503bde706948e42f55603019e528ae	CN=IdenTrust 상용 루트 CA 1,O=IdenTrust,C=US
d7ba3f4ff8ad05633451470dda3378a3491b90005e5c687d2b68d53647cfdd66	CN=Halcom 루트 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
5ab4fcdcb180b5b6af0d262a2375a2c77d25602015d96648756611e2e78c53ad3	CN=Fina Root CA, O=Financijska agencija, C=HR
229ccc196d32c98421cc119e78486eebef603aed525c6b88b47abb740692b96	CN=Cisco RXC-R2,O=Cisco Systems, C=US
604d32d036895aed3bfefae727c009ec0f2b3cdfa42a1c71730e6a72c3be9d4	CN=MULTICERT Root Certification Authority 01,O=MULTICERT - Serviços de Certificação Electrónica S.A.,C=PT
52f0e1c4e58ec629291b60317f074671b85d7ea80d5b07273463534b32b40234	CN=COMODO RSA 인증 기관, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
43df5774b03e7fef5fe40d931a7bedf1bb2e6b42738c4e6d3841103d3aa7f339	CN=Entrust Root Certification Authority - G2,OU=(c) 2009 Entrust\, Inc. - 승인된 용도로만 사용, OU=www.entrust.net/legal-terms,O=Entrust\, Inc.,C=US 참조

지문	제목
705eaafc3ff488030017d59832603eefad514171b583808675f45c190e6378f8	CN=Cisco 루트 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 제품 루트 Certificate Authority 2018,O=Microsoft Corporation, L=Redmond,ST=Washington,C=US
dec669e322e07cd7c60a56904bf50c29fa1e75071723fc103577e27b226968d5	CN=TRS 번들 루트 CA, O=Cisco
1ba5b2aa8c65401a82960118f80bec4f62304d83cec4713a19c39c011ea46db4	CN=아마존 루트 CA 2,O=아마존,C=미국
c1468cf2254e6004b24696aba209d1a30ba6e2dff68a9a4e32c6ab414f90c8d9	CN=DigiCert ECC P384 루트 G5,O=DigiCert\, Inc.,C=US
937ef8f12276b3c7a3f58e345d09a6eff01f862f8d2794441cd84d511825fa0c	CN=Entrust P384 EV TLS 루트 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. 루트 CA - G2,OU=Varmennepalvelut,OU=인증 기관 서비스, O=Vaestorekisterikeskus CA, C=FI
d43af9b35473755c9684fc06d7d8cb70ee5c28e773fb294eb41ee71722924d24	CN=UCA 확장 검증 루트, O=UniTrust,C=CN
8ac552ad577e37ad2c6808d72aa331d6a96b4b3febff34ce9bc0578e08055ec3	CN=A-Trust-Root-07,OU=A-Trust-Root-07,O=A-Trust Ges입니다. f. Sicherheitssysteme im elektr. Datenverkehr GmbH, 기음=AT
6ec6614e9a8efd47d6318ffdf0bf65b493a141f77c38d0b319be1bbbc053dd2	CN=Swiss Government Root CA I, OU=Certification Authorities, OU=Services,O=The Federal Authorities of the Swiss Confederation, C=CH
18ce6cfe7bf14e60b2e347b8dfe868cb31d02ebb3ada271569f50343b46db3a4	CN=아마존 루트 CA 3,O=아마존,C=미국
8327bc8c9d69947b3de3c27511537267f59c21b9fa7b613fafbccd53b7024000	CN=Cisco Root CA 2048,O=Cisco Systems
59769007f7685d0fcd50872f9f95d5755a5b2b457d81f3692b610a98672f0e1b	CN=TWCA 글로벌 루트 CA, OU=루트 CA, O=TAIWAN-CA,C=TW
1cf341ae35341ac3ae1dc68d5b10dc0c9dc1307656f75fd92ca2c68489d52e9a	CN=MOIS SSL Root CA, O=Ministry of the Interior and Safety, C=KR
bf0feefb9e3a581ad5f9e9db7589985743d261085c4d314f6f5d7259aa421612	CN=SecureSign RootCA11,O=Japan Certification Services\, Inc.,C=JP
04048028bf1f2864d48f9ad4d83294366a828856553f3b14303f90147f5d40ef	CN=Autoridad de Certificación 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

지문	제목
e3b6a2db2ed7ce48842f7ac53241c7b71d54144bfb40c11f3f1d0b42f5eea12d	CN=세르티그나, O=디미요티스, C=FR
18f1fc7f205df8adddeb7fe007dd57e3af375a9c4d8d73546bf4f1fed1e18d35	CN=QuoVadis 루트 CA 3,O=QuoVadis 제한, C=BM
46EDC3689046d53a453fb3104ab80dcaec658b2660ea1629dd7e867990648716	CN=투비탁 카무 SM SSL 콕 세르티피카시 - 수룸 1,OU=카무 세르티피카온 메르케지 - 카무 SM, O=튀르키예 빌림젤 베 테크놀로지크 아라스티르마 쿠루무 - 투비탁, L=게브제 - 코자엘리, C=TR
be6c4da2bbb9ba59b6f3939768374246c3c005993fa98f020d1dedbed48a81d5	CN=스위스사인 실버 CA - G2,O=스위스사인 AG, C=CH
30d0895a9a448a262091635522d1f52010b5867acae12c78ef958fd4f4389f2f	CN=IdenTrust 공공 부문 루트 CA 1,O=IdenTrust,C=US
16af57a9f676b0ab126095aa5ebadef22ab31119d644ac95cd4b93dbf3f26aeb	CN=볼티모어 CyberTrust 루트, OU=CyberTrust,O=볼티모어,C=IE
a7dedf5a842167dd12fdaa0f2080e73295b8b8bea71b2094ea0950945a482fc1	CN=AffirmTrust 4K TLS 루트 CA - 2022,O=AffirmTrust,C=CA
EEC5496B988CE98625B934092EEC2908BED0B0F316C2D4730C84EAF1F3D34881	CN=D-TRUST 루트 클래스 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 루트 CA 2022 - 1,O=SwissSign AG, C=CH
55926084ec963a64b96e2abe01ce0ba86a64fbfcbcc7aab5afc155b37fd76066	CN=Actalis 인증 루트 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=HU
7431e5f4c3c1ce4690774f0b61e05440883ba9a01ed00ba6abd7806ed3b118cf	CN=DigiCert High Assurance EV 루트 CA, OU=www.digicert.com,O=DigiCert Inc, C=US
b2fae53e14ccd7ab9212064701ae279c1d8988facb775fa8a008914e663988a8	C=DE,O=Atos,CN=Atos TrustedRoot 루트 CA ECC TLS 2021
C3846BF24B9E93CA64274C0EC67C1ECC5E024FFCACD2D74019350e81fe546ae4	OU=Go Daddy Class 2 인증 기관, 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 루트 클래스 3 CA 2 2009,O=D-Trust GmbH, C=DE
d2358cf65519d8e74cb71ed5a4b3f60db4fad1baf09d5c4ae5e8c7edb4448aa2	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com,CN=Cisco Small Business Provisioning Root Authority 1,OU=Cisco Small Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California,C=US
a736e303e6413c44e725704bf957933f1dd669f9c7e84ce701d72abb208471c8	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com,CN=Cisco Small Business Provisioning Root Authority 2,OU=Cisco Small Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California,C=US

지문	제목
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## 다중 플랫폼 전화기에 대한 CA 신뢰 목록

지문	제목
554153b13d2cf9ddb753bfe1a4e0ae08d0aa4187058fe60a2b862b2e4b87bcb	CN=AC RAZ 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=Madrid (www.camerfirma.com/address의 현재 주소 참조),C=EU
6e0bff069a26994c15de2c4888cc54af84882e5495b7fbf66be9ccffec7489f6	CN=Autoridade Certificadora Raiz Brasileira v10,OU=Instituto Nacional de Tecnologia da Informação - ITI, O=ICP-Brasil,C=BR
edf7ebbc27a2a384d387b7d4010c666e2edb4843e4c29b4ae1d5b9332e6b24d	CN=Buypass 클래스 3 루트 CA, O=Buypass AS-983163327,C=NO
5a2fc03f0c83b090bbfa40604b0988446c7636183df9846e17101a447fb8efd6	CN=홍콩 포스트 루트 CA 3,O=홍콩 포스트, L=홍콩, ST=홍콩, C=HK
e793c9b02fd8aa13e21c31228accb08119643b749c898964b1746d46c3d4cbd2	CN=USERTrust RSA 인증 기관, O=USERTRUST 네트워크, L=저지 시티, ST=뉴저지, C=US
416b1f9e84e74c1d19b23d8d7191c6ad81246e641601f599132729f507beb3cc	CN=GLOBALTRUST 2015,OU=GLOBALTRUST Certification Service, O=e-commerce monitoring GmbH, L=Wien,ST=Wien,C=AT
a040929a02ce53b4acf4f2ffc6981ce4496f755e6d45fe0b2a692bcd52523f36	CN=Hellenic Academic and Research Institutions RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority, L=Athens,C=GR
8d25cd97229dbf70356bda4eb3cc734031e24cf00fafcfd32dc76eb5841c7ea8	CN=GTS 루트 R2,O=Google 트러스트 서비스 LLC, C=미국
f4336bc2ac75950beccf1c1f2f9da6dddafd1f41161ca71f59c76889bd474033	CN=ANCERT Certificados CGN V2,O=Agencia Notarial de Certificación S.L.U. - CIF B83395988,C=ES
4ff460d54b9c86dabfbcfc5712e0400d2bed3fbc4d4fbdad86e06adcd2a9ad7a	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=Jersey City, ST=New Jersey, C=US
647987d98d52645da4d3de3b80771a0ce02b9b9285e6e86999882170744ec9aa	CN=Entrust 4K EV TLS 루트 CA - 2022,O=Entrust\, Inc.,C=US
8faf7d2e2cb4709bb8e0b33666bf75a5dd45b5de480f8ea8d4bfe6bebc17f2ed	CN=SSL.com TLS RSA 루트 CA 2022,O=SSL Corporation, C=US

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5c58468d55f58e497e743982d2b50010b6d165374acf83a7d4a32db768c4408e	CN=Certum Trusted Network CA, OU=Certum Certification Authority, O=Unizeto Technologies SA,C=PL
f356bea244b7a91eb35d53ca9ad7864ace018e2d35d5f8f96ddf68a6f41aa474	C=DE,O=아토스,CN=아토스 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 루트 인증 기관, OU=루트 CA, O=TAIWAN-CA,C=TW
15d5b8774619ea7d54ce1ca6d0b0c403e037a917f131e8a04e1e6b7a71babc5	CN=GTS 루트 R3,O=Google Trust Services LLC, C=미국
44b545aa8a25e65a73ca15dc27fc36d24c1cb9953a066539b11582dc487b4833	CN=Hellenic Academic and Research Institutions ECC RootCA 2015,O=Hellenic Academic and Research Institutions Cert. Authority, L=Athens,C=GR
db3517d1f6732a2d5ab97c533ec70779ee3270a62fb4ac4238372460e6f01e88	CN=Entrust Root 인증 기관 - G4,OU=(c) 2015 Entrust\, Inc. - 승인된 용도로만 사용, OU=www.entrust.net/legal-terms,O=Entrust\, Inc.,C=US 참조
c0a6f4dc63a24bfdcf54ef2a6a082a0a72de35803e2ff5ff527ae5d87206dfd5	OU=ePKI Root Certification Authority, O=Chunghwa Telecom Co.\, Ltd.,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 <a href="https://www.catcert.net/verarrel">https://www.catcert.net/verarrel</a> (c)03,OU=Serveis Publics de Certificacio, O=Agencia Catalana de Certificacio (NIF Q-0801176-I),C=ES
568d6905a2c88708a4b3025190edcfedb1974a606a13c6e5290fcb2ae63edab5	CN=Starfield Services 루트 Certificate Authority - G2,O=Starfield Technologies\, Inc.,L=Scottsdale,ST=Arizona,C=US
85666a562ee0be5ce925c1d8890a6f76a87ec16d4d7d5f29ea7419cf20123b69	CN=SSL.com 루트 인증 기관 RSA, O=SSL Corporation, L=Houston,ST=Texas,C=US
CBB522D7B7F127AD6A0113865bdf1cd4102e7d0759af635a7cf4720dc963c53b	CN=GlobalSign,O=GlobalSign,OU=GlobalSign 루트 CA - R3
2e7bf16cc22485a7bbe2aa8696750761b0ae39be3b2fe9d0cc6d4ef73491425c	CN=SSL.com EV 루트 인증 기관 RSA R2,O=SSL Corporation, L=Houston,ST=Texas,C=US
179fbc148a3dd00fd24ea13458cc43bfa7f59c8182d783a513f6ebec100c8924	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R5
24a55c2ab051442d0617766541239a4ad032d7c55175aa34ffde2fbc4f5c5294	CN=Security Communication RootCA3,O=SECOM Trust Systems CO.\,LTD.,C=JP
1a0d20445de5ba1862d19ef880858cbce50102b36e8f0a040c3c69e74522fe6e	CN=COMODO Certification Authority, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB

지문	제목
22a2c1f7bded704cc1e701b5f408c310880fe956b5de2a4a44f99c873a25a7c8	CN=SSL.com EV 루트 인증 기관 ECC, O=SSL Corporation, L=Houston,ST=Texas,C=US
기원전 96BCEC06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6	CN=ISRG 루트 X1,O=인터넷 보안 연구 그룹, C=US
45140b3247eb9cc8c5b4f0d7b53091f73292089e6e5a63e2749dd3aca9198eda	CN=Go Daddy Root Certificate Authority - G2,O=GoDaddy.com\, Inc.,L=Scottsdale,ST=Arizona,C=US
FAD540811AFAE0DC767CDF6572A088FA3CE8493DD82B3B869A67D10AAB4E8124	CN=SI-TRUST 루트, 2.5.4.97=VATSI-17659957,O=슬로베니아 공화국, C=SI
08170d1aa36453901a2f959245e347db0c8d37abaabc56b81aa100dc958970db	CN=D-TRUST EV 루트 CA 1 2020,O=D-Trust GmbH, C=DE
0c2cd63df7806fa399ede809116b575bf87989f06518f9808c860503178baf66	CN=COMODO Certification Authority, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
bd71fdf6da97e4cf62d1647add2581b07d79adf8397eb4ecba9c5e8488821423	CN=AffirmTrust 프리미엄 ECC, O=AffirmTrust,C=미국
beb00b30839b9bc32c32e4447905950641f26421b15ed089198b518ae2ea1b99	CN=e-Szigno 루트 CA 2017,2.5.4.97=VATHU-23584497,O=Microsec Ltd.,L=부다페스트,C=HU
EBD41040E4BB3EC742C9E381D31EF2A41A48B6685C96E7CEF3C1DF6CD4331C99	CN=GlobalSign 루트 CA, OU=루트 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 Basic Assurance Root CA 2099,O=Cisco
2a8da2f8d23e0cd3b5871ecfb0f42276ca73230667f474eede71c5ee32cc3ec6	CN=Thailand National Root Certification Authority - G1,OU=Thailand National Root Certification Authority, O=Electronic Transactions Development Agency (Public Organization),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 개인 루트 CA, O=Cisco,OU=Phoenix
2530cc8e98321502bad96f9b1fba1b099e2d299e0f4548bb914f363bc0d4531f	CN=lzenpe.com,O=IZENPE S.A.,C=ES
3a6308acd77a5a33d8da04d669fa00f8e5ae153f259087678b76bf1654b30a06	CN=Cisco ECC 루트 CA, O=Cisco
2ffb7f813bbb3c89ab4e8162d0f16d71509a830cc9d73c262e5140875d1ad4a	CN=CommScope Public Trust ECC Root-02,O=CommScope,C=US
f1b52392c4a4ec2a8709b1308304a911ffcec2ce0b63a94f9e969164567c4925	CN=Cisco 라이선싱 루트 CA, O=Cisco



지문	제목
71cca5391f9e794b04802530b363e121da8a3043bb26662fea4dca7fc951a4bd	CN=GTS 루트 R4,O=Google Trust Services LLC, C=미국
F3896F88FE7C0A882766A7FA6AD2749FB57A7F3E98FB769C1FA7B09C2C44D5AE	CN=BJCA 전역 루트 CA1,O=BEIJING CERTIFICATE AUTHORITY, C=CN
4200f5043ac8590ebb527d209ed1503029fcbcd41ca1b506ec27f15ade7dac69	CN=Secure Global CA, O=SecureTrust Corporation, C=US
3f63bb2814be174ec8b6439cf08d6d56f0b7c405883a5648a334424d6b3ec558	CN=TWCA 사이버 루트 CA, OU=루트 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 인증서 서비스, O=Comodo CA Limited, L=Salford,ST=Greater Manchester, C=GB
242b69742fcb1e5b2abf98898b94572187544e5b4d9911786573621f6a74b82c	CN=Telia Root CA v2,O=Telia Finland Oyj, C=FI
ad016f958050e0e7e46fae7dcc50197ed8e3ff0a4b262e5ddcdb3edddc7d6578	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
6 <sup>L</sup> 328085625318aa50d173c98d8bda09d57e27413d114cf787a0f5d06c030cf6	CN=Certum EC-384 CA, OU=Certum Certification Authority, O=Asseco Data Systems SA,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 루트 CA, O=iTrusChina Co.\,Ltd.,C=CN
BC104F15A48BE709DCA542A7E1D4B9DF6F054527E802EAA92D595444258afe71	CN=Hellenic Academic and Research Institutions RootCA 2011,O=Hellenic Academic and Research Institutions Cert. Authority, C=GR
ef66b0b10a3cddb9f2e3648c76bd2af18ead2bfe6f117655e28c4060da1a3f4c2	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 루트 R1,O=Google Trust Services LLC, C=미국
018e13f0772532cf809bd1b17281867283fc48c6e13be9c69812854a490c1b05	CN=DigiCert TLS ECC P384 Root G5,O=DigiCert\, Inc.,C=US
6dc47172e01cbcb0bf62580d895fe2b8ac9ad4f873801e0c10b9c837d21eb177	CN=Entrust.net 인증 기관(2048),OU=(c) 1999 Entrust.net Limited, OU=www.entrust.net/CPS_2048 incorp. by ref. (liab 제한),O=Entrust.net
2ce1cb0bf9d2f9e102993fbe215152c3b2dd0cabde1c68e5319b839154dbb7f5	CN=Starfield Root Certificate Authority - G2,O=Starfield Technologies\, Inc.,L=Scottsdale,ST=Arizona,C=US

지문	제목
407c276bead2e4af0661ef6697341dec0a1f9434e4eafb2d3d32a90549d9de4a	CN=GPKIRootCA1,OU=GPKI,O=대한민국 정부, C=KR
cd85167b3935e27bcc3b0f5fa24c8457882d0bb994f88269a7f72829d957eae9	CN=Cisco 루트 CA M2,O=Cisco
d48d3d23eedb50a459e55197601c27774b9d7b18c94d5a059511a10250b93168	CN=Certigna 루트 CA, OU=0002 48146308100036,O=Dhimyotis,C=FR
8f9adb6d895dab5adf5c3d3fab83927be0fb64ef82485c62280d584e8bd55d22	CN=Swedish Government Root Authority v3,O=Swedish Social Insurance Agency, C=SE
bfff8fd04433487d6a8aa60c1a29767a9fc2bbb05e420f713a13b992891d3893	CN=GDCA TrustAUTH R5 루트, O=GUANG DONG CERTIFICATE AUTHORITY CO.,LTD.,C=CN
c32ffd9f46f936d16c3673990959434b9ad60aafbb9e7cf33654f144cc1ba143	CN=SSL.com TLS ECC 루트 CA 2022,O=SSL Corporation, C=US
88ef81de202eb018452e43f864725cea5fbd1fc2d9d205730709c5d8b8690f46	CN=QuoVadis 루트 CA 3 G3,O=QuoVadis 제한, C=BM
b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R4
7a38f708a35a31e42e1cf3220f9a2d273e7666354618b2464657d43d8e77adc2	CN=A-Trust-Root-09,OU=A-Trust-Root-09,O=A-Trust GmbH, C=AT
8560f91c3624daba9570b5fea0dbe36ff11a8323be9486854fb3f34a5571198d	CN=OISTE WISEKey 글로벌 루트 GC CA, OU=OISTE 재단 승인, O=WISEKey,C=CH
9a6ec012e1a7da9dbe34194d478ad7c0db1822fb071df12981496ed104384113	C=ES,O=ACCV,OU=PKIACCV,CN=ACCVRAIZ1
b4585f22e4ac756a4e8612a1361c5d9d031a93fd84febb778fa3068b0fc42dc2	CN=확실히 루트 E1,O=확실히,C=US
C2157309d9aee17bf34f4df5e88dbaeba57e0361eb814cbc239f4d54d329a38d	CN=Főtanúsítványkiadó - Kormányzati Hitelesítés Szolgáltató, O=NISZ Nemzeti Infokommunikációs Szolgáltató Zrt.,L=Budapest,C=HU
86a1ecba089c4a8d3bbe2734c612ba341d813e043cf9e8a862cd5c57a36bbe6b	CN=emSign ECC 루트 CA - G3,O=eMudhra Technologies Limited, OU=emSign PKI, C=IN
1793927a0614549789adce2f8f34f7f0b66d0f3ae3a3b84d21ec15dbba4fadc7	CN=COMODO ECC Certification Authority, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
c34c5df53080078ffe45b21a7f600469917204f4f0293f1d7209393e5265c04f	CN=CCA 인도 2015 SPL, O=인도 PKI, C=IN
a3cc68595dfe7e86d8ad1772a8b5284add54ace3b8a798df47bccafb1fdb84df	CN=핫스팟 2.0 신뢰 루트 CA - 03,O=WFA 핫스팟 2.0,C=US
1465fa205397b876faa6f0a9958e5590e40fcc7faa4f7c2c8677521fb5fb658	OU=Starfield Class 2 인증 기관, O=Starfield Technologies\, Inc.,C=US
85a0dd7dd720adb7ff05f83d542b209dc7ff4528f7d677b18389fea5e5c49e86	CN=QuoVadis 루트 CA 2,O=QuoVadis 제한, C=BM
847df6a78497943f27fc72eb93f9a637320a02b561d0a91b09e87a7807ed7c61	CN=Microsoft Root Certificate Authority 2011,O=Microsoft Corporation, L=Redmond,ST=Washington,C=US =

지문	제목
5e3571f33f45a7df1537a68b5ffb9e036af9d2f5bc4c9717130dc43d7175aac7	1.2.840.113549.1.9.1=info@globaltrust.info,CN=GLOBALTRUST,OU=GLOBALTRUST 인증 서비스, O=ARGE DATEN - 오스트리아 데이터 보호 협회, ST=오스트리아,L=비엔나,C=AT
ebc5570c29018c4d67b1aa127baf12f703b4611ebc17b7dab5573894179b93fa	OU=AC RAIZ FNMT-RCM,O=FNMT-RCM,C=ES
f015ce3cc239bfef064be9f1d2c417e1a0264a0a94be1f0c8d121864eb6949cc	CN=HiPKI 루트 CA - G1,O=Chunghwa Telecom Co., Ltd.,C=TW
57de0583efd2b26e0361da99da9df4648def7ee8441c3b728afa9bcde0f9b26a	CN=Autoridad de Certificación Firmaprofesional CIF A62634068,C=ES
9 <sup>^</sup> 114025197c5bb95d94e63d55cd43790847b646b23cdf11ada4a00eff15fb48	CN=Buypass 클래스 2 루트 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 글로벌 G2 루트, 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=Tanúsítványkiadó (Certification Services),O=NetLock Kft.,L=Budapest,C=HU
34d8a73ee208d9bcdb0d956520934b4e40e69482596e8b6f73c8426b010a6f48	CN=GTS 루트 R3,O=Google Trust Services LLC, C=미국
cbb9c44d84b8043e1050ea31a69f514955d7bfd2e2c6b49301019ad61d9f5058	CN=GlobalSign 루트 E46,O=GlobalSign nv-sa,C=BE
8ecde6884f3d87b1125ba31ac3fcb13d7016de7f57cc904fe1cb97c6ae98196e	CN=아마존 루트 CA 1,O=아마존,C=미국
3c4fb0b95ab8b30032f432b86f535fe172c185d0fd39865837cf36187fa6f428	CN=Staat der Nederlanden Root CA - G3,O=Staat der Nederlanden, C=NL
aaa962c4fa4a6bafefe415196d351ccd888d4f53f3fa8ae6d7c466a94e6042bb	OU=certSIGN ROOT CA, O=certSIGN,C=RO
349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d	CN=GTS 루트 R4,O=Google Trust Services LLC, C=미국
04f1bec36951bc1454a904ce32890c5da3cde1356b7900f6e62dfa2041ebad51	CN=상공회의소 루트 - 2016,O=AC CAMERFIRMA S.A.,2.5.4.97=VATES-A82743287,2.5.4.5=A82743287,OU=상공회의소 루트 - 2016,OU=#의 현재 주소 참조 www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES
7bb647a62aeac88bf257aa522d01ffea395e0ab45c73f93f65654ec38f25a06	CN=Sectigo 공용 서버 인증 루트 R46,O=Sectigo 제한됨, C=GB
77b82cd8644c4305f7acc5cb156b45675004033d51c60c6202a8e0c33467d3a0	CN=확실히 루트 R1,O=확실히,C=US
d95d0e8eda79525bf9beb11b14d2100d3294985f0c62d9fabd9cd999eccb7b1d	CN=HARICA TLS RSA Root CA 2021,O=그리스 학술 및 연구 기관 CA, C=GR
371a00dc0533b3721a7eeb40e8419e70799d2b0a0f2c1d80693165f7cec4ad75	CN=DigiCert TLS RSA4096 Root G5,O=DigiCert\, Inc.,C=US

지문	제목
41dfd9c52d71f6a2c7f1083aa8f80153ff6ec23349d2599de347adbe423504f3	CN=내부 고객 루트 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=e-commerce monitoring GmbH, C=AT
11437cda7bb45e41365f45b39a38986b0de00def348e0c7bb0873633800bc38b	CN=CommScope Public Trust ECC Root-01,O=CommScope,C=US
125609aa301da0a249b97a8239cb6a34216f44dcac9f3954b14292f2e8c8608f	CN=emSign 루트 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=www.camerfirma.com/address,L=MADRID,ST=MADRID,C=ES의 현재 주소 참조
3f99cc474acfce4dfed58794665e478d1547739f2e780f1bb4ca9b133097d401	CN=HARICA TLS ECC Root CA 2021,O=그리스 학술 및 연구 기관 CA, C=GR
8fe4fb0af93a4d0d67db0bebb23e37c71bf325dcbcd240ea04daf58b47e1840	CN=QuoVadis 루트 CA 2 G3,O=QuoVadis 제한, C=BM
8a866fd1b276b57e578e921c65828a2bed58e9f2f288054134b7f1f4bfc9cc74	CN=QuoVadis 루트 CA 1 G3,O=QuoVadis 제한, C=BM
7e37cb8b4c47090cab36551ba6f45db840680fba166a952db100717f43053fc2	CN=DigiCert 보증 ID 루트 G3,OU=www.digicert.com,O=DigiCert Inc, C=US
fe7696573855773e37a95e7ad4d9cc96c30157c15d31765ba9b15704e1ae78fd	CN=Certum 신뢰할 수 있는 루트 CA, OU=Certum 인증 기관, O=Asseco Data Systems SA,C=PL
3417bb06cc6007da1b961c920b8ab4ce3fad820e4aa30b9acbc4a74ebdcebc65	CN=SSL.com 루트 인증 기관 ECC, O=SSL Corporation, L=Houston,ST=Texas,C=US
c45d7bb08e6d67e62e4235110b564e5f78fd92ef058c840aea4e6455d7585c60	CN=GTS 루트 R2,O=Google 트러스트 서비스 LLC, C=미국
f9a17a00e5c294ba9614a715819af57f3fd48cc413453fbb8a5fc7e97964e2bc	C=CZ,2.5.4.97=NTRCZ-26439395,O=První certifikační autorita\, a.s.,CN=I.CA TLS 루트 CA/RSA 05/2022
2a99f5bc1174b73cbb1d620884e01c34e51ccb3978da125f0e33268883bf4158	CN=Certinomis - 루트 CA, OU=0002 433998903,O=Certinomis,C=FR
e46a392204a8dca342a71c1ca9a60c9185b9a930370120c3b9c7e3856f0d8f3b	CN=DigiCert RSA4096 Root G5,O=DigiCert\, Inc.,C=US
D947432ABDE7B7FA90FC2E6B59101B1280E0E1C7E4E40FA3C6887FFF57A7F4CF	CN=GTS 루트 R1,O=Google Trust Services LLC, C=미국
40f6af0346a99aa1cd1d555a4e9cce62c7f9634603ee406615833dc8c8d00367	CN=emSign 루트 CA - G1,O=eMudhra Technologies Limited, OU=emSign PKI, C=IN

지문	제목
cb3ccb76031e5e0138f8dd39a23f9de47ffc35e43c1144cea27d46a5ab1cb5f	CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc, C=US
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 인증 기관, O=Trustwave Holdings\, Inc.,L=Chicago,ST=Illinois,C=US
7a77c6c61eeeb9aa65c4ea410d65d895b26a81123283009db104b48de80b2479	CN=OATI WebCARES 루트 CA, O=Open Access Technology International Inc, L=미니애폴리스,ST=MN,C=US
3fd4be8baad2f26e1bde06c7584bb720dd1a972d111f5a4999bc44b08fb4960d	CN=Microsoft ECC TS 루트 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 애플리케이션 루트 CA, O=Cisco,OU=Pollux
BEC94911C2955676db6c0a550986d76e3ba005667c442c9762b4fbb773de228c	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R4
70a73f7f376b60074248904534b11482d5bf0e698ecc498df52577ebf2e93b9a	CN=AffirmTrust 프리미엄, O=AffirmTrust,C=미국
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 신뢰할 수 있는 루트 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=아마존 루트 CA 4,O=아마존,C=미국
4be8b5a1c76c6aead0611918fccf9dbd398b67fb12294758bdf994d0f9682f60	CN=ANCERT Certificados Notariales V2,O=Agencia Notarial de Certificación S.L.U. - CIF B83395988,C=ES
e7e12793643f18bee5b8e53ab5803bb3d59d8e63d14ce6346c004b0dfa34fecc	CN=Cisco Root CA 2099,O=Cisco

지문	제목
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 루트 CA - R6
dd6936fe21f8f077c123a1a521c12224f72255b73e03a7260693e8a24b0fa389	CN=TeliaSonera 루트 CA v1,O=TeliaSonera
4B009C1034494f9ab56bba3ba1d62731fc4d20d8955adcec10a925607261e338	CN=SecureSign Root CA14,O=Cybertrust Japan Co., Ltd.,C=JP
bc4d809b15189d78db3e1d8cf4f9726a795da1643ca5f1358e1ddb0edc0d7eb3	CN=emSign ECC 루트 CA - C3,O=eMudhra Inc, OU=emSign PKI, C=US
e59aaa816009c22bff5b25bad37df306f049797c1f81d85ab089e657bd8f0044	CN=D-TRUST BR 루트 CA 1 2020,O=D-Trust GmbH, C=DE
0a81ec5a929777f145904af38d5d509f66b5e2c58fcd531058b0e17f3f0b41b	CN=AffirmTrust 네트워킹, O=AffirmTrust,C=미국
5cc3d78e4e1d5e45547a04e6873e64f90cf9536d1ccc2ef800f355c4c5fd70fd	CN=CFCA EV 루트, O=중국 금융 인증 기관, C=CN
69729b8e15a86efc177a57afb7171dfc64add28c2fca8cf1507e34453ccb1470	CN=ISRG 루트 X2,O=인터넷 보안 연구 그룹, C=US
dd6c44b39401b053dbe61120748bbb0f6056007665c168e5c286750edc8df129	CN=Entrust 4K TLS 루트 CA - 2022,O=Entrust\, Inc.,C=US
b676f2eddae8775cd36cb0f63cd1d4603961f49e6265ba013a2f0307b6d0b804	CN=Certum Trusted Network CA 2,OU=Certum Certification Authority, O=Unizeto Technologies SA,C=PL
8a71de6559336f426c26e53880d00d88a18da4c6a91f0dcb6194e206c5c96387	CN=vTrus 루트 CA, O=iTrusChina Co.,Ltd.,C=CN
e23d4a036d7b70e9f595b1422079d2b91edfbb1fb651a0633eaa8a9dc5f80703	CN=CA Disig Root R2,O=Disig a.s.,L=브라티슬라바,C=SK
88f438dcf8ffd1fa8f429115ffe5f82ae1e06e0c70c375faad717b34a49e7265	CN=NAVER Global Root Certification Authority, O=네이버 비즈니스 플랫폼 주식회사,C=KR
420332ef876ebe78f2af5d28aacde24aad0c10f8ffaac469efd7bd941929568	CN=Entrust P384 TLS 루트 CA - 2022,O=Entrust\, Inc.,C=US
d8e0f6bc1db2e38d00940f37d27d41344d993e734b99d5656d9778d4d8143624	CN=Certum CA, O=Unizeto Sp. z o.o.,C=PL
c90f26f0fb1b4018b2227519b5ca2b53e2ca5b3be5cf18efe1bef47380c5383	CN=Sectigo 공용 서버 인증 루트 E46,O=Sectigo Limited, C=GB
97f654859cbde586fd90311e82ec7902c238cba0d6e529564c9c88f44895ec50	CN=ACA 루트, O=CONSEJO GENERAL DE LA ABOGACIA, 2.5.4.5=Q2863006I,C=ES
55903859c8c0c3ebb8759ece4e2557225ff5758bbd38ebd48276601e1bd58097	CN=Trustwave Global ECC P384 인증 기관, O=Trustwave Holdings\, Inc.,L=Chicago,ST=Illinois,C=US
fb8fec759169b9106b1e511644c618c51304373f6c0643088d8beffd1b997599	CN=ANF 보안 서버 루트 CA, OU=ANF CA Raiz, O=ANF Autoridad de Certificación, 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=Budapest,C=HU
2e44102ab58cb85419451c8e19d9acf3662cafbc614b6a53960a30f7d0e2eb41	CN=TunTrust Root CA, O=Agence Nationale de Certification Electronique, C=TN

지문	제목
73c176434f1bc6d5adf45b0e76e727287c8de57616c1e6e6141a2b2cbc7d8e4c	CN=Entrust Root Certification Authority, OU=(c) 2006 Entrust\, Inc.,OU=www.entrust.net/CPS 참조로 통합됨, O=Entrust\, Inc.,C=US
574df6931e278039667b720afdc1600fc27eb66dd3092979fb73856487212882	CN=BJCA 글로벌 루트 CA2,O=BEIJING CERTIFICATE AUTHORITY, C=CN
02ed0eb28c14da45165c566791700d6451d7fb56f0b2ab1d3b8eb070e56edff5	CN=Entrust Root 인증 기관 - EC1,OU=(c) 2012 Entrust\, Inc. - 승인된 용도로만 사용, OU=www.entrust.net/legal-terms,O=Entrust\, Inc.,C=US 참조
6b9c08e86eb0f767cfad65cd98b62149e5494a67f5845e7bd1ed019f27b86bd6	CN=OISTE WISeKey 글로벌 루트 GB CA, OU=OISTE 재단 승인, O=WISeKey,C=CH
2399561127a57125de8cefea610ddf2fa078b5c8067f4e828290bfb860e84b3c	CN=VeriSign Universal Root Certification Authority, OU=(c) 2008 VeriSign\, Inc. - 승인된 용도로만 사용, OU=VeriSign Trust Network, O=VeriSign\, Inc.,C=US
1501f89c5c4dcf36cf588a17c9fd7cfceb9ee01e8729be355e25de80eb6284b4	C=ES,O=EDICOM,CN=CAEDICOM 루트
81a9088ea59fb364c548a6f85559099b6f0405efbf18e5324ec9f457ba00112f	C=DE,O=Atos,CN=Atos TrustedRoot 루트 CA RSA TLS 2021
c741f70f4b2a8d88bf2e71c14122ef53ef10eba0cfa5e64cfa20f418853073e0	CN=Microsoft RSA 루트 Certificate Authority 2017,O=Microsoft Corporation, C=US
063e4afac491dfd332f3089b8542e94617d893d7fe944e10a7937ee29d9693c0	CN=Chambers of Commerce Root - 2008,O=AC Camerfirma S.A.,2.5.4.5=A82743287,L=Madrid (www.camerfirma.com/address의 현재 주소 참조),C=EU
50df022dfa477185b4032a19196cb9840e29a87298830c5962d23f9b0a07dd5e	CN=Internal Private Root, O=Cisco,OU=Corvus
1e51942b84fd467bf77d1c89da241c04254dc8f3ef4c22451fe7a89978bdcd4f	CN=ePKI 루트 인증 기관 - G2,O=Chunghwa Telecom Co.\, Ltd.,C=TW
4fa3126d8d3a11d1c4855a4f807cbad6cf919d3a5a88b03bea2c6372d93c40c9	CN=GlobalSign 루트 R46,O=GlobalSign nv-sa,C=BE
2605875afcc176b2d66dd66a995d7f8d5ebb86ce120d0e7e9e7c6ef294a27d4c	C=IL,O=ComSign Ltd.,CN=ComSign 글로벌 루트 CA
4348a0e9444c78cb265e058d5e8944b4d84f9662bd26db257f8934a443c70161	CN=DigiCert Global Root CA, OU=www.digicert.com,O=DigiCert Inc, C=US
5d56499be4d2e08bcfcad08a3e38723d50503bde706948e42f55603019e528ae	CN=IdenTrust 상용 루트 CA 1,O=IdenTrust,C=US
d7ba3f4ff8ad05633451470dda3378a3491b90005e5c687d2b68d53647cfdd66	CN=Halcom 루트 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
5ab4fcd8b180b5b6af0d262a2375a2c77d25602015d96648756611e2e78c53ad3	CN=Fina Root CA, O=Financijska agencija, C=HR
229ccc196d32c98421cc119e78486eebef03aecd525c6b88b47abb740692b96	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

지문	제목
52f0e1c4e58ec629291b60317f074671b85d7ea80d5b07273463534b32b40234	CN=COMODO RSA 인증 기관, O=COMODO CA Limited, L=Salford,ST=Greater Manchester, C=GB
43df5774b03e7fef5fe40d931a7bedf1bb2e6b42738c4e6d3841103d3aa7f339	CN=Entrust Root 인증 기관 - G2,OU=(c) 2009 Entrust\, Inc. - 승인된 용도로만 사용, OU=www.entrust.net/legal-terms,O=Entrust\, Inc.,C=US 참조
705eaafc3ff488030017d59832603eefad514171b583808675f45c190e6378f8	CN=Cisco 루트 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 제품 루트 Certificate Authority 2018,O=Microsoft Corporation, L=Redmond,ST=Washington,C=US
dec669e322e07cd7c60a56904bf50c29fa1e75071723fc103577e27b226968d5	CN=TRS 번들 루트 CA, O=Cisco
1ba5b2aa8c65401a82960118f80bec4f62304d83cec4713a19c39c011ea46db4	CN=아마존 루트 CA 2,O=아마존,C=미국
c1468cf2254e6004b24696aba209d1a30ba6e2dff68a9a4e32c6ab414f90c8d9	CN=DigiCert ECC P384 루트 G5,O=DigiCert\, Inc.,C=US
937ef8f12276b3c7a3f58e345d09a6eff01f862f8d2794441cd84d511825fa0c	CN=Entrust P384 EV TLS 루트 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. 루트 CA - G2,OU=Varmennepalvelut,OU=인증 기관 서비스, O=Vaestorekisterikeskus CA, C=FI
d43af9b35473755c9684fc06d7d8cb70ee5c28e773fb294eb41ee71722924d24	CN=UCA 확장 검증 루트, O=UniTrust,C=CN
8ac552ad577e37ad2c6808d72aa331d6a96b4b3febff34ce9bc0578e08055ec3	CN=A-Trust-Root-07,OU=A-Trust-Root-07,O=A-Trust Ges입니다. f. Sicherheitssysteme im elektr. Datenverkehr GmbH, 기음=AT
6ec6614e9a8efd47d6318ffdfd0bf65b493a141f77c38d0b319be1bbbc053dd2	CN=Swiss Government Root CA I, OU=Certification Authorities, OU=Services,O=The Federal Authorities of the Swiss Confederation, C=CH
18ce6cfe7bf14e60b2e347b8dfe868cb31d02ebb3ada271569f50343b46db3a4	CN=아마존 루트 CA 3,O=아마존,C=미국
8327bc8c9d69947b3de3c27511537267f59c21b9fa7b613fafbccd53b7024000	CN=Cisco Root CA 2048,O=Cisco Systems
59769007f7685d0fcd50872f9f95d5755a5b2b457d81f3692b610a98672f0e1b	CN=TWCA 글로벌 루트 CA, OU=루트 CA, O=TAIWAN-CA,C=TW
1cf341ae35341ac3ae1dc68d5b10dc0c9dc1307656f75fd92ca2c68489d52e9a	CN=MOIS SSL Root CA, O=Ministry of the Interior and Safety, C=KR
bf0feefb9e3a581ad5f9e9db7589985743d261085c4d314f6f5d7259aa421612	CN=SecureSign RootCA11,O=Japan Certification Services\, Inc.,C=JP



지문	제목
04048028bf1f2864d48f9ad4d83294366a828856553f3b14303f90147f5d40ef	CN=Autoridad de Certificación 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=세르티그나, O=디미요티스, C=FR
18f1fc7f205df8adddeb7fe007dd57e3af375a9c4d8d73546bf4f1fed1e18d35	CN=QuoVadis 루트 CA 3,O=QuoVadis 제한, C=BM
46EDC3689046d53a453fb3104ab80dcaec658b2660ea1629dd7e867990648716	CN=투비탁 카무 SM SSL 콕 세르티피카시 - 수룸 1,OU=카무 세르티피카온 메르케지 - 카무 SM, O=튀르키예 빌림젤 베 테크놀로지크 아라스티르마 쿠루무 - 투비탁, L=게브제 - 코자엘리, C=TR
be6c4da2bbb9ba59b6f3939768374246c3c005993fa98f020d1dedbed48a81d5	CN=스위스사인 실버 CA - G2,O=스위스사인 AG, C=CH
30d0895a9a448a262091635522d1f52010b5867acae12c78ef958fd4f4389f2f	CN=IdenTrust 공공 부문 루트 CA 1,O=IdenTrust,C=US
16af57a9f676b0ab126095aa5ebadef22ab31119d644ac95cd4b93dbf3f26aeb	CN=볼티모어 CyberTrust 루트, OU=CyberTrust,O=볼티모어,C=IE
a7dedf5a842167dd12fdaa0f2080e73295b8b8bea71b2094ea0950945a482fc1	CN=AffirmTrust 4K TLS 루트 CA - 2022,O=AffirmTrust,C=CA
EEC5496B988CE98625B934092EEC2908BED0B0F316C2D4730C84EAF1F3D34881	CN=D-TRUST 루트 클래스 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 루트 CA 2022 - 1,O=SwissSign AG, C=CH
55926084ec963a64b96e2abe01ce0ba86a64fbfbcc7aab5afc155b37fd76066	CN=Actalis 인증 루트 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=HU
7431e5f4c3c1ce4690774f0b61e05440883ba9a01ed00ba6abd7806ed3b118cf	CN=DigiCert High Assurance EV 루트 CA, OU=www.digicert.com,O=DigiCert Inc, C=US
b2fae53e14ccd7ab9212064701ae279c1d8988facb775fa8a008914e663988a8	C=DE,O=Atos,CN=Atos TrustedRoot 루트 CA ECC TLS 2021
C3846BF24B9E93CA64274C0EC67C1ECC5E024FFCACD2D74019350e81fe546ae4	OU=Go Daddy Class 2 인증 기관, 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 루트 클래스 3 CA 2 2009,O=D-Trust GmbH, C=DE
d2358cf65519d8e74cb71ed5a4b3f60db4fad1baf09d5c4ae5e8c7edb4448aa2	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com,CN=Cisco Small Business Provisioning Root Authority 1,OU=Cisco Small Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California,C=US

지문	제목
a736e303e6413c44e725704bf957933f1dd669f9c7e84ce701d72abb208471c8	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com,CN=Cisco Small Business Provisioning Root Authority 2,OU=Cisco Small Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California,C=US
e793c9b02fd8aa13e21c31228accb08119643b749c898964b1746d46c3d4cbd2	CN=USERTrust RSA 인증 기관, O=USERTRUST 네트워크, L=저지 시티, ST=뉴저지, C=US
8d25cd97229dbf70356bda4eb3cc734031e24cf00fafcd32dc76eb5841c7ea8	CN=GTS 루트 R2,O=Google 트러스트 서비스 LLC, C=미국
4ff460d54b9c86dabfbcfc5712e0400d2bed3fbc4d4fbdaa86e06adcd2a9ad7a	CN=USERTrust ECC Certification Authority, O=The USERTRUST Network, L=Jersey City, ST=New Jersey, C=US
568d6905a2c88708a4b3025190edcfedb1974a606a13c6e5290fcb2ae63edab5	CN=Starfield Services 루트 Certificate Authority - G2,O=Starfield Technologies\, Inc.,L=Scottsdale,ST=Arizona,C=US
기원전 96년06264976f37460779acf28c5a7cfe8a3c0aae11a8ffcee05c0bddf08c6	CN=ISRG 루트 X1,O=인터넷 보안 연구 그룹, C=US
D649C40830AAB9869F2536FF933C4050746659b31dfa735405e4f7ad447c20d5	CN=Cisco Basic Assurance Root CA 2099,O=Cisco
31AD6648F8104138c738f39ea4320133393e3a18cc02296ef97c2ac9ef6731d0	CN=DigiCert Global Root G3,OU=www.digicert.com,O=DigiCert Inc, C=US
0da80cc491638f8c756396e0afac16079829fa06697bfe6d7ee93a6a0c9e212d	CN=IT 개인 루트 CA, O=Cisco,OU=Phoenix
3a6308acd77a5a33d8da04d669fa00f8e5ae153f259087678b76bf1654b30a06	CN=Cisco ECC 루트 CA, O=Cisco
F1B52392C4A4EC2A8709B1308304a911ffcec2ce0b63a94f9e969164567c4925	CN=Cisco 라이선싱 루트 CA, O=Cisco
cd85167b3935e27bcc3b0f5fa24c8457882d0bb994f88269a7f72829d957eae9	CN=Cisco 루트 CA M2,O=Cisco
b085d70b964f191a73e4af0d54ae7a0e07aafdaf9b71dd0862138ab7325a24a2	CN=GlobalSign,O=GlobalSign,OU=GlobalSign ECC 루트 CA - R4
85a0dd7dd720adb7ff05f83d542b209dc7ff4528f7d677b18389fea5e5c49e86	CN=QuoVadis 루트 CA 2,O=QuoVadis 제한, C=BM
9 <sup>ㄱ</sup> 114025197c5bb95d94e63d55cd43790847b646b23cdf11ada4a00eff15fb48	CN=Buypass 클래스 2 루트 CA, O=Buypass AS-983163327,C=NO
34d8a73ee208d9bcd0d956520934b4e40e69482596e8b6f73c8426b010a6f48	CN=GTS 루트 R3,O=Google Trust Services LLC, C=미국
8ecde6884f3d87b1125ba31ac3fcb13d7016de7f57cc904fe1cb97c6ae98196e	CN=아마존 루트 CA 1,O=아마존,C=미국
349dfa4058c5e263123b398ae795573c4e1313c83fe68f93556cd5e8031b3c7d	CN=GTS 루트 R4,O=Google Trust Services LLC, C=미국
41dfd9c52d71f6a2c7f1083aa8f80153ff6ec23349d2599de347adbe423504f3	CN=내부 고객 루트 CA, O=Cisco,OU=Arcturus
D947432ABDE7B7FA90FC2E6B59101B1280E0E1C7E4E40FA3C6887FFF57A7F4CF	CN=GTS 루트 R1,O=Google Trust Services LLC, C=미국
cb3ccbb76031e5e0138f8dd39a23f9de47ffc35e43c1144cea27d46a5ab1cb5f	CN=DigiCert Global Root G2,OU=www.digicert.com,O=DigiCert Inc, C=US
9ee289cc39971c15e94beb65142d360b5873feb970de1f9fda53ac26d10b25c6	CN=IT 애플리케이션 루트 CA, O=Cisco,OU=Pollux

지문	제목
e35d28419ed02025cfa69038cd623962458da5c695fbdea3c22b0bfb25897092	CN=아마존 루트 CA 4,O=아마존,C=미국
e7e12793643f18bee5b8e53ab5803bb3d59d8e63d14ce6346c004b0dfa34fecc	CN=Cisco Root CA 2099,O=Cisco
69729b8e15a86efc177a57afb7171dfc64add28c2fca8cf1507e34453ccb1470	CN=ISRG 루트 X2,O=인터넷 보안 연구 그룹, 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 상용 루트 CA 1,O=IdenTrust,C=US
229ccc196d32c98421cc119e78486eebef603aecd525c6b88b47abb740692b96	CN=Cisco RXC-R2,O=Cisco Systems, C=US
705eaafc3ff488030017d59832603eefad514171b583808675f45c190e6378f8	CN=Cisco 루트 CA M1,O=Cisco
dec669e322e07cd7c60a56904bf50c29fa1e75071723fc103577e27b226968d5	CN=TRS 번들 루트 CA, O=Cisco
1ba5b2aa8c65401a82960118f80bec4f62304d83cec4713a19c39c011ea46db4	CN=아마존 루트 CA 2,O=아마존,C=미국
18ce6cfe7bf14e60b2e347b8dfe868cb31d02ebb3ada271569f50343b46db3a4	CN=아마존 루트 CA 3,O=아마존,C=미국
8327bc8c9d69947b3de3c27511537267f59c21b9fa7b613fafbccd53b7024000	CN=Cisco Root CA 2048,O=Cisco Systems
16af57a9f676b0ab126095aa5ebadef22ab31119d644ac95cd4b93dbf3f26aeb	CN=볼티모어 CyberTrust 루트, OU=CyberTrust,O=볼티모어,C=IE
d2358cf65519d8e74cb71ed5a4b3f60db4fad1baf09d5c4ae5e8c7edb4448aa2	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com,CN=Cisco Small Business Provisioning Root Authority 1,OU=Cisco Small Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California,C=US
a736e303e6413c44e725704bf957933f1dd669f9c7e84ce701d72abb208471c8	1.2.840.113549.1.9.1=ciscosb-certadmin@cisco.com,CN=Cisco Small Business Provisioning Root Authority 2,OU=Cisco Small Business Certificate Authority, O=Cisco Small Business, L=San Jose, ST=California,C=US