



REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of SSL Corp d/b/a SSL.com (“SSL.com”):

Scope

We have examined SSL.com management’s [assertion](#) that for its Certification Authority (“CA”) operations in Houston, Texas, for its CAs as enumerated in [Attachment B](#), SSL.com has:

- disclosed its S/MIME certificate lifecycle management business practices in the applicable versions of its SSL.com Certificate Policy and Certification Practice Statement (“CP/CPS”) enumerated in [Attachment A](#), including its commitment to provide S/MIME certificates in conformity with the CA/Browser Forum Requirements on the SSL.com [repository](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and S/MIME certificates it manages is established and protected throughout their lifecycles; and
 - S/MIME subscriber information is properly authenticated (for the registration activities performed by SSL.com)
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

throughout the period September 1, 2023 to June 30, 2024, based on the [WebTrust Principles and Criteria for Certification Authorities - S/MIME Certificates v1.0.3](#).

The CA/Browser Forum Baseline Requirements for the Issuance and Management of Publicly-Trusted S/MIME Certificates requires compliance with the Network and Certificate System Security Requirements (“Network Security Requirements”) as set forth by the CA/Browser Forum. The relevant principle and criteria are included as part of WebTrust Principles and Criteria for Certification Authorities - Network Security, which are reported on under separate cover.

Certification Authority’s Responsibilities

SSL.com’s management is responsible for its assertion, including the fairness of its presentation, and the provision of its described services in accordance with the [WebTrust Principles and Criteria for Certification Authorities - S/MIME Certificates v1.0.3](#).



Independent Accountant's Responsibilities

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

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

The relative effectiveness and significance of specific controls at SSL.com and their effect on assessments of control risk for subscribers and relying parties are dependent on their interaction with the controls, and other factors present at individual subscriber and relying party locations. Our examination did not extend to controls at individual subscriber and relying party locations and we have not evaluated the effectiveness of such controls.

Inherent Limitations

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

Independent Accountant's Opinion

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

This report does not include any representation as to the quality of SSL.com's services other than its CA operations in Houston, Texas, nor the suitability of any of SSL.com's services for any customer's intended purpose.



Other Matter

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

Matter Topic		Matter Description
1	Certificate Content	SSL.com disclosed in Mozilla Bug #1871113 that one (1) Sponsor-validated S/MIME certificate was misissued with organization information placed in the Subject Given Name and Subject Surname fields.

While the SSL.com assertion notes all issues disclosed on Bugzilla from September 1, 2023 through the date of this report, we have only noted those instances relevant to the CAs enumerated in [Attachment B](#) and applicable to the [WebTrust Principles and Criteria for Certification Authorities - S/MIME Certificates v1.0.3](#).

Use of the WebTrust Seal

SSL.com's use of the WebTrust for Certification Authorities - S/MIME Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

BDO USA

September 4, 2024



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

Policy Name	Policy Version	Policy Date
SSL.com Certificate Policy and Certification Practice Statement	Version 1.18	August 22, 2023
SSL.com Certificate Policy and Certification Practice Statement	Version 1.19	September 19, 2023
SSL.com Certificate Policy and Certification Practice Statement	Version 1.20	April 18, 2024



ATTACHMENT B - IN-SCOPE CAs FOR S/MIME BASELINE REQUIREMENTS

Root CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock EV Root Certification Authority ECC	2E 76 4B E9 E9 15 34 58	681B729D0267B2B5781645153F3F9351F9C5E4F9AB28A5AC1B975CBB43237270	DA 50 C9 1F B4 05 56 C4 AA 77 5E 82 FF C9 5D 0E 04 BC 2F 0D BB 1A B6 D8 FF 16 0C AA 36 D3 B1 8E	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock EV Root Certification Authority RSA	7C FD AE B1 74 65 EE F1	0B4DF5C46F414D455ABE028205FC37F1F989A8EE31920E3F929DC82337108014	3B B2 05 9C 6F 2D 49 C9 AD A5 24 84 6B 16 C6 DE BC C9 7B 51 FB 62 7E F9 3F F3 84 71 F5 43 E5 F3	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock Root Certification Authority ECC	38 00 94 EB FC E2 DB F4	BAA4F4E23C70DC1DE619CC3DDEF250A1D5073D1B9B0EBC6B64C046579871E1A3	96 D0 0C 2F 31 44 88 91 CB B2 3E E3 21 8D 3A B9 4A BD 6C 1C 81 D4 D6 27 B1 C9 7C 69 9E BF 88 AE	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock Root Certification Authority RSA	2E 06 F0 8D FA FF 1E 9B	167241D2019BDDDB4DE0AD7C5CA8499CC6D06E40301E1007875006C37D4BFD5BD	4D FD 2C BF 1E 31 DB 37 DB 58 7D A4 00 C7 E2 AC EF F6 10 DB C9 A9 BF 5C 9B 52 C5 CD 80 98 E2 D3	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=Cyberdata LLC, CN=ecossll.com Root Certification Authority ECC R1	10 88 83 2D 3F FF E9 00	024F53114851ADB33EACC0F07C75CFE66E95BD6360627272E062FD26683A5E6C	56 D0 A4 CA 61 E3 9D E9 F3 69 94 08 B5 CA 98 4D 91 57 49 F7 80 D2 BE 20 42 18 6E 62 EE A0 1D 66	5/31/2017	5/30/2042



Root CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority ECC	75 E6 DF CB C1 68 5B A8	3417BB06CC6007DA1B961C920B8AB4CE3FAD820E4AA30B9ACBC4A74EBDCEBC65	A3 20 F4 D5 34 D7 BE 97 C1 AE 8D D0 49 97 35 BC 89 5C 32 3A DD 2D 38 8B FC CF 66 2C 23 D7 F9 9A	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority ECC R2	21 E2 5B 95 AD 24 99 74	FECF02BC40C1C8846478D022789CB8BE031B4BB7CE477B712CAE6BE06DC8A452	E2 97 29 01 3B 7B 50 4C 48 5C EE 0F C6 32 41 37 C6 F8 BA 17 3D 39 A9 77 29 30 BE 96 56 47 65 08	5/31/2017	5/30/2042
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority RSA	7B 2C 9B D3 16 80 32 99	85666A562EE0BE5CE925C1D8890A6F76A87EC16D4D7D5F29EA7419CF20123B69	D1 C4 53 77 EB DC D6 18 CD 16 51 DC 2E 02 C2 1D 75 1E 5A A9 FC D1 B3 43 1F F6 EC F6 A3 13 48 FA	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority RSA R2	5B 37 98 CA 35 9B 9B EE	69305226F30AECB43C95127C3AE243097030C1B3E87504D0A60B2A03F0009DF7	E1 2E C3 18 9C FA E9 F2 01 64 ED 19 71 22 D5 98 DC AC 0D A8 49 14 1C 11 83 AD 54 31 C9 1A 6B 1A	5/31/2017	5/30/2042
C=US, O=SSL Corporation, CN=SSL.com Client ECC Root CA 2022	76 F8 48 1E AE F0 3C 70 1F E0 3F 25 54 01 83 D5	AD7DD58D03AEDB22A30B5084394920CE12230C2D8017AD9B81AB04079BDD026B	4C 34 32 C9 84 C6 6A E2 A7 54 74 39 83 CA 89 69 E2 F1 0F 40 86 38 4D C3 8B 80 60 53 2C B0 BE A7	8/25/2022	8/19/2046



Root CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, O=SSL Corporation, CN=SSL.com Client RSA Root CA 2022	76 AF EE 88 93 15 45 B6 50 53 9B 80 9C A4 DF 9A	1D4CA4A2AB21D0093659804FC0EB2175A617279B56A2475245C9517AFEB59153	3A 0E C5 4C 18 32 A2 81 DC 30 62 26 7F D9 37 42 90 08 E1 C8 41 B3 7B 4A 79 AB 1B DD 4C BA 57 FF	8/25/2022	8/19/2046
C=US, ST=Texas, L=Houston, O=Cyberdata LLC, CN=ecossll.com Root Certification Authority RSA R1	45 CA BA 64 C1 8F 49 BE	D72FD588F611A247E440A72A5B7D0772E8F846E456E64FCFFD44BEAF14DFC2D9	16 95 ED 67 97 52 FA 53 8B 1D CA 21 DD C5 12 BD 39 D8 76 92 C0 66 37 34 C2 9B 6F 7B 48 56 46 38	5/31/2017	5/30/2042



Cross-Signed CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com EV Root Certification Authority RSA R2	62 F8 12 A3 5F 52 BD 74 B7 18 D6 10 AC 4B 47 83	B97176F21B6ED64609267B2D1A2A9FAF0C4DEBD44644DC85EB6AE986FC867D56	7C D6 7C 24 8F 69 D8 3F C2 F9 BB 01 DC B1 F7 AD 67 A3 63 D0 46 04 37 96 D0 98 4C 3A 23 1F 6B B0	9/11/2018	9/11/2023
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com Root Certification Authority RSA	E4 27 04 95 F6 8C 91 D6 D0 EC 7B 49 4E A4 DF 1C	ACF718DF838E640051777D1947F51620E8D804BA186553AE52FC9811B5D34B8B	D1 C4 53 77 EB DC D6 18 CD 16 51 DC 2E 02 C2 1D 75 1E 5A A9 FC D1 B3 43 1F F6 EC F6 A3 13 48 FA	9/11/2018	9/11/2023
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com EV Root Certification Authority ECC	7F A3 2B 28 B1 C9 AB 6C	60EF412EABE7C3FC6399EED1B633B777747515B29D721B963DD258BC498AB292	34 87 67 CD AD 3B DD 28 B2 B8 DD 53 51 AE C3 0C 68 CE C5 CD 69 D2 76 DF 38 27 DB C4 F5 80 64 64	2/14/2019	2/12/2027
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com Root Certification Authority ECC	3F 2C 60 8C 5C F9 63 21	06B9722A699C57DFF1869F430B479BB6EB49AAE1184EAC9C5325C1334A34EA4C	A3 20 F4 D5 34 D7 BE 97 C1 AE 8D D0 49 97 35 BC 89 5C 32 3A DD 2D 38 8B FC CF 66 2C 23 D7 F9 9A	2/14/2019	2/12/2027
CN=SSL.com TLS ECC Root CA 2022,O=SSL Corporation,C=US	3B 0E 70 1D 53 CB B7 14 50 A2 31 96 0F 41 99 9C	6BCB147D41E9B577F40002A5C4BA08846737805AAFE8554DD0E72204F6007BA7	1B F0 0D 5C 8F 13 C0 94 DD 17 E0 05 04 CF 08 88 85 0F 12 FD 06 7F A1 F9 2C 0F DB F6 0B 86 E3 21	11/7/2023	11/3/2038



Cross-Signed CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
CN=SSL.com TLS RSA Root CA 2022,O=SSL Corporation,C=US	32 6F 64 E9 70 34 C6 F7 A3 94 6A 50 A3 ED 04 FE	06B9722A699C57DFF1869F430B479BB6EB49AAE1184EAC9C5325C1334A34EA4C	2B CF 55 3A 66 F5 70 90 0D DD 32 BA 6D FE 1E CC 06 C9 18 2D 66 2D C1 B6 0E 1F 7B 76 7C 2B DD 54	11/7/2023	11/3/2038



Intermediate CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Intermediate CA RSA R1	62 80 F0 29 C4 06 DE B8	9B9C55D586F15F4FF0A12E3E87AA2AE5F6C0C218857E0DB4CC4A1BA74E493F54	61 E7 94 8D DF 78 49 C7 49 F2 2D BE 86 92 70 96 FE AC 58 01 DB 72 14 06 CF E4 DC D8 E3 C7 61 36	12/17/2018	12/13/2033
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority ECC	3F 2C 60 8C 5C F9 63 21	06B9722A699C57DFF1869F430B479BB6EB49AAE1184EAC9C5325C1334A34EA4C	34 87 67 CD AD 3B DD 28 B2 B8 DD 53 51 AE C3 0C 68 CE C5 CD 69 D2 76 DF 38 27 DB C4 F5 80 64 64	2/14/2019	2/12/2027
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Intermediate CA ECC R2	27 AB 85 FE 03 31 09 F1 FD B5 03 2D 57 7D 20 38	EAD0C5077C99F8FA40CC556DBC2EACA41F54E9D99EBD468956AEA8BEC5AAF76A	67 47 00 5C 26 F0 D7 1A 38 B1 5A 5E 12 C7 4F 0E 88 87 76 5B 85 1F BC 04 B5 CC ED F5 77 4A ED 27	3/7/2019	3/3/2024
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Enterprise Intermediate CA RSA R1	38 F1 A5 17 4E 21 C8 26 C9 52 D7 BF 9D DF 2F F2	17CD6504B275A6634EE0016EFFE53B26BFFCCA289C7DED4A1C8F4353CD05B09C	87 DB 2A 91 33 65 BD B1 C4 73 F4 82 7B 4F 4D 72 E2 AD D2 53 22 23 52 E8 56 39 7F DB BA 5F 4B 5C	3/26/2019	3/22/2034
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Intermediate CA RSA R2	07 9F DC 89 40 48 8A F1 D9 6F D2 74 0A 64 55 66	B6E44A69342D84363AB12182F2D2B888501B063A76BEB00350E38DDC74715034	8B 4F 23 83 44 01 42 61 0C F8 9A 89 81 0C 77 DB 77 C3 44 F4 46 75 5A 2A 2A 9D 47 EF 2C FB F4 86	3/26/2019	3/22/2034



Intermediate CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C = NZ, O = SafeToOpen Ltd, CN = SafeToOpen ClientCert ICA RSA R1	28 EE F8 96 70 FE C9 7D F6 F0 2D BE FB 78 EB F4	76348ADEE48E61D7329EE483109651EA4B2E0B5C02F7DF2583FE1074ED9C6FEC	7B DF DB 8D FB 76 6F 23 F4 57 00 55 C8 C9 50 52 2A 88 7B 8A F4 61 19 F8 FE B2 A5 FA 44 37 56 DE	10/1/2019	9/28/2029
C=US, O=SSL Corporation, CN=SSL.com S/MIME Transit ECC CA R2	63 83 BB DE E1 B1 1B 15 05 F5 86 85 C9 88 06 98	B6DAF35F591A2B30CDAC188D7A8F542C45E5560EFD607B984A306A8A755DA92E	7A 35 AB A2 87 44 63 90 05 1E 42 C5 43 5C CF DC FF 89 77 E6 38 76 A1 48 2C FB 54 A9 0C 0E 0D F9	10/21/2022	10/17/2037
C=US, O=SSL Corporation, CN=SSL.com S/MIME Transit RSA CA R2	12 C6 9C 81 43 1E 37 D6 BE A3 DC 71 6E A0 DD 1D	C3251AB91CC593221FE36D9D5701A5AC531532AFE816976611F5180995FDDCB	D7 B2 A9 B2 AC 58 50 60 2F BF 7E B9 08 7C AB 1D 81 07 67 2C 26 7E 74 97 5C 09 FA 9A 62 8C 5D C8	10/21/2022	10/17/2037
C=US, O=SSL Corporation, CN=SSL.com S/MIME Issuing ECC CA R1	6B 9C 08 D8 EA 19 03 9D 71 6C FD 51 F7 55 5D 64	26A29420D6B3DDFF25840D1C7930C15BF071EE10775738A63DE2A61A105E932A	CC 4C DC BC 28 84 8C E9 AD 8C E2 AF 6D 86 39 77 9A 39 96 8B 60 58 89 35 DA 91 3D 54 E1 30 37 98	10/21/2022	10/18/2032
C=US, O=SSL Corporation, CN=SSL.com S/MIME Issuing RSA CA R1	6A 71 E3 EA 7C 4A 99 3D C1 4A 34 22 C6 F6 20 50	030FE47ECE258C2EFEF45FE8FFCA62D14DB33F0212188E3B10D739797D29E28A	7E C3 52 3A 15 B4 08 E1 14 FD 66 88 FE 5B CE 49 25 26 F7 5C 86 D3 1E C4 87 6A 3E 28 6C 78 26 19	10/21/2022	10/18/2032



Intermediate CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US,O=Staclar, Inc.,CN=Staclar Secure Identity CA R1	53 9A 9D A1 5F 3F 6D A9 AD A4 C9 57 2E 6F 3A 59	6324FFD1A7207E4A5ABEE785C74A907D2B6A592B6FBB34BB3DB1DF413C833147	EE D6 CA 3C C6 5C 66 D4 15 FF 07 8A B4 DF E0 41 FD D9 33 24 CF E4 A3 13 B1 44 D6 9A 97 62 C5 2B	4/24/2023	4/21/2033



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SSL.COM MANAGEMENT'S ASSERTION

SSL Corp d/b/a SSL.com ("SSL.com") operates the Certification Authority ("CA") services for its CAs as enumerated in [Attachment B](#) in scope for S/MIME Baseline Requirements and provides S/MIME CA services.

The management of SSL.com is responsible for establishing and maintaining effective controls over its S/MIME CA operations, including its S/MIME CA business practices disclosure on its [repository](#), S/MIME key lifecycle management controls, and S/MIME certificate lifecycle management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

There are inherent limitations in any controls, including the possibility of human error, and the circumvention or overriding of controls. Accordingly, even effective controls can only provide reasonable assurance with respect to SSL.com's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

SSL.com management has assessed its disclosures of its certificate practices and controls over its S/MIME CA services. Based on that assessment, in providing its CA services in Houston, Texas, SSL.com has:

- disclosed its S/MIME certificate lifecycle management business practices in the applicable versions of its SSL.com Certificate Policy and Certification Practice Statement ("CP/CPS") enumerated in [Attachment A](#), including its commitment to provide S/MIME certificates in conformity with the CA/Browser Forum Requirements on the SSL.com [repository](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and S/MIME certificates it manages is established and protected throughout their lifecycles; and
 - S/MIME subscriber information is properly authenticated (for the registration activities performed by SSL.com)
- maintained effective controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data is restricted to authorized individuals;
 - the continuity of key and certificate management operations is maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

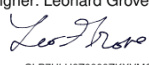
throughout the period September 1, 2023 to June 30, 2024, based on the [WebTrust Principles and Criteria for Certification Authorities - S/MIME Certificates v1.0.3](#).



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

Bug ID	Summary	Opened	Closed	Resolution
1832570	SSL.com: subCA/Reseller Issues	5/11/2023	6/14/2024	FIXED
1850171	SSL.com: S/MIME certificates issued prior to validation	8/25/2023	9/29/2023	FIXED
1867851	SSL.com: Findings in 2023 audit	12/1/2023	4/24/2024	FIXED
1871113	SSL.com: Issuance of one Sponsored-Validated S/MIME certificate with organization information in given Name and surname of the subjectDN	12/20/2023	5/15/2024	FIXED

 eSigner: Leonard Grove

CLP7ULH6Z0000ZKXVMG61ZEW2
 Verified Government ID

Leo Grove
Chief Executive Officer
September 4, 2024



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

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C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock EV Root Certification Authority RSA	7C FD AE B1 74 65 EE F1	0B4DF5C46F414D455ABE028205FC37F1F989A8EE31920E3F929DC82337108014	3B B2 05 9C 6F 2D 49 C9 AD A5 24 84 6B 16 C6 DE BC C9 7B 51 FB 62 7E F9 3F F3 84 71 F5 43 E5 F3	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock Root Certification Authority ECC	38 00 94 EB FC E2 DB F4	BAA4F4E23C70DC1DE619CC3DDEF250A1D5073D1B9B0EBC6B64C046579871E1A3	96 D0 0C 2F 31 44 88 91 CB B2 3E E3 21 8D 3A B9 4A BD 6C 1C 81 D4 D6 27 B1 C9 7C 69 9E BF 88 AE	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=CertLock Root Certification Authority RSA	2E 06 F0 8D FA FF 1E 9B	167241D2019BDDDB4DE0AD7C5CA8499CC6D06E40301E1007875006C37D4BFD5BD	4D FD 2C BF 1E 31 DB 37 DB 58 7D A4 00 C7 E2 AC EF F6 10 DB C9 A9 BF 5C 9B 52 C5 CD 80 98 E2 D3	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=Cyberdata LLC, CN=ecoss.com Root Certification Authority ECC R1	10 88 83 2D 3F FF E9 00	024F53114851ADB33EACC0F07C75CFE66E95BD6360627272E062FD26683A5E6C	56 D0 A4 CA 61 E3 9D E9 F3 69 94 08 B5 CA 98 4D 91 57 49 F7 80 D2 BE 20 42 18 6E 62 EE A0 1D 66	5/31/2017	5/30/2042



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Root CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority ECC	75 E6 DF CB C1 68 5B A8	3417BB06CC6007DA1B961C920B8AB4CE3FAD820E4AA30B9ACBC4A74EBDCEBC65	A3 20 F4 D5 34 D7 BE 97 C1 AE 8D D0 49 97 35 BC 89 5C 32 3A DD 2D 38 8B FC CF 66 2C 23 D7 F9 9A	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority ECC R2	21 E2 5B 95 AD 24 99 74	FECF02BC40C1C8846478D022789CB8BE031B4BB7CE477B712CAE6BE06DC8A452	E2 97 29 01 3B 7B 50 4C 48 5C EE 0F C6 32 41 37 C6 F8 BA 17 3D 39 A9 77 29 30 BE 96 56 47 65 08	5/31/2017	5/30/2042
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority RSA	7B 2C 9B D3 16 80 32 99	85666A562EE0BE5CE925C1D8890A6F76A87EC16D4D7D5F29EA7419CF20123B69	D1 C4 53 77 EB DC D6 18 CD 16 51 DC 2E 02 C2 1D 75 1E 5A A9 FC D1 B3 43 1F F6 EC F6 A3 13 48 FA	2/12/2016	2/12/2041
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority RSA R2	5B 37 98 CA 35 9B 9B EE	69305226F30AECB43C95127C3AE243097030C1B3E87504D0A60B2A03F0009DF7	E1 2E C3 18 9C FA E9 F2 01 64 ED 19 71 22 D5 98 DC AC 0D A8 49 14 1C 11 83 AD 54 31 C9 1A 6B 1A	5/31/2017	5/30/2042
C=US, O=SSL Corporation, CN=SSL.com Client ECC Root CA 2022	76 F8 48 1E AE F0 3C 70 1F E0 3F 25 54 01 83 D5	AD7DD58D03AEDB22A30B5084394920CE12230C2D8017AD9B81AB04079BDD026B	4C 34 32 C9 84 C6 6A E2 A7 54 74 39 83 CA 89 69 E2 F1 0F 40 86 38 4D C3 8B 80 60 53 2C B0 BE A7	8/25/2022	8/19/2046



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Root CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, O=SSL Corporation, CN=SSL.com Client RSA Root CA 2022	76 AF EE 88 93 15 45 B6 50 53 9B 80 9C A4 DF 9A	1D4CA4A2AB21D0093659804FC0EB2175A617279B56A2475245C9517AFEB59153	3A 0E C5 4C 18 32 A2 81 DC 30 62 26 7F D9 37 42 90 08 E1 C8 41 B3 7B 4A 79 AB 1B DD 4C BA 57 FF	8/25/2022	8/19/2046
C=US, ST=Texas, L=Houston, O=Cyberdata LLC, CN=ecossll.com Root Certification Authority RSA R1	45 CA BA 64 C1 8F 49 BE	D72FD588F611A247E440A72A5B7D0772E8F846E456E64FCFFD44BEAF14DFC2D9	16 95 ED 67 97 52 FA 53 8B 1D CA 21 DD C5 12 BD 39 D8 76 92 C0 66 37 34 C2 9B 6F 7B 48 56 46 38	5/31/2017	5/30/2042



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Cross-Signed CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com EV Root Certification Authority RSA R2	62 F8 12 A3 5F 52 BD 74 B7 18 D6 10 AC 4B 47 83	B97176F21B6ED64609267B2D1A2A9FAF0C4DEBD44644DC85EB6AE986FC867D56	7C D6 7C 24 8F 69 D8 3F C2 F9 BB 01 DC B1 F7 AD 67 A3 63 D0 46 04 37 96 D0 98 4C 3A 23 1F 6B B0	9/11/2018	9/11/2023
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com Root Certification Authority RSA	E4 27 04 95 F6 8C 91 D6 D0 EC 7B 49 4E A4 DF 1C	ACF718DF838E640051777D1947F51620E8D804BA186553AE52FC9811B5D34B8B	D1 C4 53 77 EB DC D6 18 CD 16 51 DC 2E 02 C2 1D 75 1E 5A A9 FC D1 B3 43 1F F6 EC F6 A3 13 48 FA	9/11/2018	9/11/2023
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com EV Root Certification Authority ECC	7F A3 2B 28 B1 C9 AB 6C	60EF412EABE7C3FC6399EED1B633B777747515B29D721B963DD258BC498AB292	34 87 67 CD AD 3B DD 28 B2 B8 DD 53 51 AE C3 0C 68 CE C5 CD 69 D2 76 DF 38 27 DB C4 F5 80 64 64	2/14/2019	2/12/2027
C = US, ST = Texas, L = Houston, O = SSL Corporation, CN = SSL.com Root Certification Authority ECC	3F 2C 60 8C 5C F9 63 21	06B9722A699C57DFF1869F430B479BB6EB49AAE1184EAC9C5325C1334A34EA4C	A3 20 F4 D5 34 D7 BE 97 C1 AE 8D D0 49 97 35 BC 89 5C 32 3A DD 2D 38 8B FC CF 66 2C 23 D7 F9 9A	2/14/2019	2/12/2027
CN=SSL.com TLS ECC Root CA 2022,O=SSL Corporation,C=US	3B 0E 70 1D 53 CB B7 14 50 A2 31 96 0F 41 99 9C	6BCB147D41E9B577F40002A5C4BA08846737805AAFE8554DD0E72204F6007BA7	1B F0 0D 5C 8F 13 C0 94 DD 17 E0 05 04 CF 08 88 85 0F 12 FD 06 7F A1 F9 2C 0F DB F6 0B 86 E3 21	11/7/2023	11/3/2038



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Cross-Signed CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
CN=SSL.com TLS RSA Root CA 2022,O=SSL Corporation,C=US	32 6F 64 E9 70 34 C6 F7 A3 94 6A 50 A3 ED 04 FE	06B9722A699C57DFF1869F430B479BB6EB49AAE1184EAC9C5325C1334A34EA4C	2B CF 55 3A 66 F5 70 90 0D DD 32 BA 6D FE 1E CC 06 C9 18 2D 66 2D C1 B6 0E 1F 7B 76 7C 2B DD 54	11/7/2023	11/3/2038



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Intermediate CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Intermediate CA RSA R1	62 80 F0 29 C4 06 DE B8	9B9C55D586F15F4FF0A12E3E87AA2AE5F6C0C218857E0DB4CC4A1BA74E493F54	61 E7 94 8D DF 78 49 C7 49 F2 2D BE 86 92 70 96 FE AC 58 01 DB 72 14 06 CF E4 DC D8 E3 C7 61 36	12/17/2018	12/13/2033
C=US, ST=Texas, L=Houston, O=SSL Corporation, CN=SSL.com Root Certification Authority ECC	3F 2C 60 8C 5C F9 63 21	06B9722A699C57DFF1869F430B479BB6EB49AAE1184EAC9C5325C1334A34EA4C	34 87 67 CD AD 3B DD 28 B2 B8 DD 53 51 AE C3 0C 68 CE C5 CD 69 D2 76 DF 38 27 DB C4 F5 80 64 64	2/14/2019	2/12/2027
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Intermediate CA ECC R2	27 AB 85 FE 03 31 09 F1 FD B5 03 2D 57 7D 20 38	EAD0C5077C99F8FA40CC556DBC2EACA41F54E9D99EBD468956AEA8BEC5AAF76A	67 47 00 5C 26 F0 D7 1A 38 B1 5A 5E 12 C7 4F 0E 88 87 76 5B 85 1F BC 04 B5 CC ED F5 77 4A ED 27	3/7/2019	3/3/2024
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Enterprise Intermediate CA RSA R1	38 F1 A5 17 4E 21 C8 26 C9 52 D7 BF 9D DF 2F F2	17CD6504B275A6634EE0016EFFE53B26BFFCCA289C7DED4A1C8F4353CD05B09C	87 DB 2A 91 33 65 BD B1 C4 73 F4 82 7B 4F 4D 72 E2 AD D2 53 22 23 52 E8 56 39 7F DB BA 5F 4B 5C	3/26/2019	3/22/2034
C=US, ST=Texas, L=Houston, O=SSL Corp, CN=SSL.com Client Certificate Intermediate CA RSA R2	07 9F DC 89 40 48 8A F1 D9 6F D2 74 0A 64 55 66	B6E44A69342D84363AB12182F2D2B888501B063A76BEB00350E38DDC74715034	8B 4F 23 83 44 01 42 61 0C F8 9A 89 81 0C 77 DB 77 C3 44 F4 46 75 5A 2A 2A 9D 47 EF 2C FB F4 86	3/26/2019	3/22/2034



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Intermediate CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C = NZ, O = SafeToOpen Ltd, CN = SafeToOpen ClientCert ICA RSA R1	28 EE F8 96 70 FE C9 7D F6 F0 2D BE FB 78 EB F4	76348ADEE48E61D7329EE483109651EA4B2E0B5C02F7DF2583FE1074ED9C6FEC	7B DF DB 8D FB 76 6F 23 F4 57 00 55 C8 C9 50 52 2A 88 7B 8A F4 61 19 F8 FE B2 A5 FA 44 37 56 DE	10/1/2019	9/28/2029
C=US, O=SSL Corporation, CN=SSL.com S/MIME Transit ECC CA R2	63 83 BB DE E1 B1 1B 15 05 F5 86 85 C9 88 06 98	B6DAF35F591A2B30CDAC188D7A8F542C45E5560EFD607B984A306A8A755DA92E	7A 35 AB A2 87 44 63 90 05 1E 42 C5 43 5C CF DC FF 89 77 E6 38 76 A1 48 2C FB 54 A9 0C 0E 0D F9	10/21/2022	10/17/2037
C=US, O=SSL Corporation, CN=SSL.com S/MIME Transit RSA CA R2	12 C6 9C 81 43 1E 37 D6 BE A3 DC 71 6E A0 DD 1D	C3251AB91CC593221FE36D9D5701A5AC531532AFE816976611F5180995FDDCB	D7 B2 A9 B2 AC 58 50 60 2F BF 7E B9 08 7C AB 1D 81 07 67 2C 26 7E 74 97 5C 09 FA 9A 62 8C 5D C8	10/21/2022	10/17/2037
C=US, O=SSL Corporation, CN=SSL.com S/MIME Issuing ECC CA R1	6B 9C 08 D8 EA 19 03 9D 71 6C FD 51 F7 55 5D 64	26A29420D6B3DDFF25840D1C7930C15BF071EE10775738A63DE2A61A105E932A	CC 4C DC BC 28 84 8C E9 AD 8C E2 AF 6D 86 39 77 9A 39 96 8B 60 58 89 35 DA 91 3D 54 E1 30 37 98	10/21/2022	10/18/2032
C=US, O=SSL Corporation, CN=SSL.com S/MIME Issuing RSA CA R1	6A 71 E3 EA 7C 4A 99 3D C1 4A 34 22 C6 F6 20 50	030FE47ECE258C2EFEF45FE8FFCA62D14DB33F0212188E3B10D739797D29E28A	7E C3 52 3A 15 B4 08 E1 14 FD 66 88 FE 5B CE 49 25 26 F7 5C 86 D3 1E C4 87 6A 3E 28 6C 78 26 19	10/21/2022	10/18/2032



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Intermediate CAs					
Subject	Serial Number	SHA256 Thumbprint	SPKI SHA256	Valid From	Valid To
C=US,O=Staclar, Inc.,CN=Staclar Secure Identity CA R1	53 9A 9D A1 5F 3F 6D A9 AD A4 C9 57 2E 6F 3A 59	6324FFD1A7207E4A5ABEE785C74A907D2B6A592B6FBB34BB3DB1DF413C833147	EE D6 CA 3C C6 5C 66 D4 15 FF 07 8A B4 DF E0 41 FD D9 33 24 CF E4 A3 13 B1 44 D6 9A 97 62 C5 2B	4/24/2023	4/21/2033