



REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of SecureTrust,

We have examined SecureTrust, a Trustwave Holdings, Inc. division ("SecureTrust"), management's [assertion](#) that for its Certification Authority ("CA") operations at Chicago, Illinois in the United States of America, throughout the period October 1, 2018 to September 30, 2019 for its CAs enumerated in [Attachment B](#), SecureTrust has:

- disclosed its code signing certificate lifecycle management business practices in the applicable versions of its SecureTrust Certificate Policy and Certification Practices Statement enumerated in [Attachment A](#) including its commitment to provide code signing certificates in conformity with the Code Sign Working Group requirements on its [repository](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - code signing subscriber information is properly collected, authenticated, and verified; and
 - the integrity of keys and code signing certificates it manages is established and protected throughout their lifecycles
- maintained effective controls to provide reasonable assurance that its code signing and time stamping authority are operated in conformity with Code Sign Working Group's requirements

based on the [WebTrust Principles and Criteria for Certification Authorities - Publicly Trusted Code Signing Certificates v1.0.1](#). SecureTrust's management is responsible for its assertion. Our responsibility is to express an opinion on management's assertion based on our examination.

The relative effectiveness and significance of specific controls at SecureTrust 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.

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.

Because of the nature and inherent limitations of controls, SecureTrust's ability to meet the aforementioned criteria may be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorized access to systems and information, or failure to comply with



internal and external policies or requirements. Also, the projection of any conclusions based on our findings to future periods is subject to the risk that changes may alter the validity of such conclusions.

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 SecureTrust's services other than its CA operations at Chicago, Illinois in the United States of America, nor the suitability of any of SecureTrust's services for any customer's intended purpose.

BDO USA, LLP

St. Louis, Missouri
November 19, 2019



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

Policy Name	Policy Version	Policy Date
SecureTrust Certificate Policy and Certification Practices Statement	Version 6.0	April 24, 2019
Trustwave Certificate Policy and Certification Practices Statement	Version 5.2	November 14, 2018
Trustwave Certificate Policy and Certification Practices Statement	Version 5.1	October 1, 2018



ATTACHMENT B - IN-SCOPE CAs

Root CAs

Subject DN	SHA2 Thumbprint	Valid From	Valid To
CN = XRamp Global Certification Authority O = XRamp Security Services Inc OU = www.xrampsecurity.com C = US	CECDDC905099D8DADFC5B1D209B737CBE2C18CFB2C10C0FF0BCF0D3286FC1AA2	11/1/2004	1/1/2035
CN = SecureTrust CA O = SecureTrust Corporation C = US	F1C1B50AE5A20DD8030EC9F6BC24823DD367B5255759B4E71B61FCE9F7375D73	11/7/2006	12/31/2029
CN = Secure Global CA O = SecureTrust Corporation C = US	4200F5043AC8590EBB527D209ED1503029FBCBD41CA1B506EC27F15ADE7DAC69	11/7/2006	12/31/2029
CN = Trustwave Global Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	97552015F5DDFC3C8788C006944555408894450084F100867086BC1A2BB58DC8	8/23/2017	8/23/2042



Subject DN	SHA2 Thumbprint	Valid From	Valid To
CN = Trustwave Global ECC P256 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	945BBC825EA554F489D1FD51A73DDF2EA624AC7019A05205225C22A78CCFA8B4	8/23/2017	8/23/2042
CN = Trustwave Global ECC P384 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	55903859C8C0C3EBB8759ECE4E2557225FF5758BBD38EBD48276601E1BD58097	8/23/2017	8/23/2042



Code Signing CAs

Subject DN	SHA2 Thumbprint	Valid From	Valid To
E = ca@trustwave.com CN = Trustwave Code Signing CA, Level 2 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	95469A45EE12F3A7D1CA880A2F52442E2863593923FEC08AF6BCAB2375459E9B	12/22/2008	12/22/2028
E = ca@trustwave.com CN = Trustwave Code Signing SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	F420949BB55A462D9B927449E49DA23F683AB4B6166E05815808F5D9FD36646B	10/1/2014	9/28/2024
E = ca@trustwave.com CN = Trustwave Code Signing SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	53A8129F71A9827D03704670720C375061821155C076E86A490D6EB871E03AF0	9/1/2016	9/29/2024
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global Code Signing CA, Level 1	4D10A086866731C0E16174192114C6076C7995DD5493006DD2054EFBD169AE2B	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-256 Code Signing CA, Level 1	730E02CD3AFD489FDB9D708F674B45FA8CFD73AB926B94855B2C0376F9A528D9	2/6/2018	8/21/2042



Subject DN	SHA2 Thumbprint	Valid From	Valid To
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-384 Code Signing CA, Level 1	7F2A890E8D9AFDB9C0F08AF1CB8DDA18C5802C5BEA50E0B18071D3CF973A46BD	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = SecureTrust CN = SecureTrust Code Signing CA, Level 1	5E4FF34628DABED6859BACF2E128A807A08F49B0C259D9BE2E33FEE066AC7AF7	1/29/2019	1/29/2029



Timestamping CAs

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CN = Trustwave Timestamping CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	EF5AE8BBF214337779B8A30730962638BB3AFE100C615A49730F709A2518861B	1/25/2017	12/25/2034
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global Timestamping CA, Level 1	643B81C90B3505BFAFF80EAAC9EE28C9F406362A8F56DD26ECFA29335958C856	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-256 Timestamping CA, Level 1	7FC29B856B23EEFC3A5E68775E0B37DC320627FD5C19368BB68397EE219A667A	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-384 Timestamping CA, Level 1	F75E65420AD6C018D915BBBA40A77122B30ACFD417DA3A885E4C4CD9E065A415	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = SecureTrust CN = SecureTrust Timestamping CA, Level 1	090DF1220A60E8E865F8607B9A24BC3BE00D933D438FB686A3173DEFC5BFBB40	1/29/2019	12/31/2034

SECURETRUST MANAGEMENT'S ASSERTION

SecureTrust, a Trustwave Holdings, Inc. division ("SecureTrust") operates the Certification Authority ("CA") services for its CAs enumerated in [Attachment B](#), and provides code signing CA services.

SecureTrust management has assessed its disclosures of its certificate practices and controls over its code signing CA services. Based on that assessment, in SecureTrust management's opinion, in providing its code signing CA services in Chicago, Illinois, throughout the period October 1, 2018 to September 30, 2019, SecureTrust has:

- disclosed its code signing certificate lifecycle management business practices in the applicable versions of its SecureTrust Certificate Policy and Certification Practices Statement enumerated in [Attachment A](#) including its commitment to provide code signing certificates in conformity with the Code Sign Working Group requirements on its [repository](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - code signing subscriber information is properly collected, authenticated, and verified; and
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based on the [WebTrust Principles and Criteria for Certification Authorities - Publicly Trusted Code Signing Certificates v1.0.1](#).



Tom Wallace
Chief Operating Officer, SecureTrust
November 19, 2019

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CN = SecureTrust CA O = SecureTrust Corporation C = US	F1C1B50AE5A20DD8030EC9F6BC24823DD367B5255759B4E71B61FCE9F7375D73	11/7/2006	12/31/2029
CN = Secure Global CA O = SecureTrust Corporation C = US	4200F5043AC8590EBB527D209ED1503029FBCBD41CA1B506EC27F15ADE7DAC69	11/7/2006	12/31/2029
CN = Trustwave Global Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	97552015F5DDFC3C8788C006944555408894450084F100867086BC1A2BB58DC8	8/23/2017	8/23/2042

Subject DN	SHA2 Thumbprint	Valid From	Valid To
CN = Trustwave Global ECC P256 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	945BBC825EA554F489D1FD51A73DDF2EA624AC7019A05205225C22A78CCFA8B4	8/23/2017	8/23/2042
CN = Trustwave Global ECC P384 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	55903859C8C0C3EBB8759ECE4E2557225FF5758BBD38EBD48276601E1BD58097	8/23/2017	8/23/2042

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E = ca@trustwave.com CN = Trustwave Code Signing CA, Level 2 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	95469A45EE12F3A7D1CA880A2F52442E2863593923FEC08AF6BCAB2375459E9B	12/22/2008	12/22/2028
E = ca@trustwave.com CN = Trustwave Code Signing SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	F420949BB55A462D9B927449E49DA23F683AB4B6166E05815808F5D9FD36646B	10/1/2014	9/28/2024
E = ca@trustwave.com CN = Trustwave Code Signing SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US	53A8129F71A9827D03704670720C375061821155C076E86A490D6EB871E03AF0	9/1/2016	9/29/2024
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global Code Signing CA, Level 1	4D10A086866731C0E16174192114C6076C7995DD5493006DD2054EFBD169AE2B	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-256 Code Signing CA, Level 1	730E02CD3AFD489FDB9D708F674B45FA8CFD73AB926B94855B2C0376F9A528D9	2/6/2018	8/21/2042

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C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-384 Code Signing CA, Level 1	7F2A890E8D9AFDB9C0F08AF1CB8DDA18C5802C5BEA50E0B18071D3CF973A46BD	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = SecureTrust CN = SecureTrust Code Signing CA, Level 1	5E4FF34628DABED6859BACF2E128A807A08F49B0C259D9BE2E33FEE066AC7AF7	1/29/2019	1/29/2029

Timestamping CAs

Subject DN	SHA2 Thumbprint	Valid From	Valid To
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C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global Timestamping CA, Level 1	643B81C90B3505BFAFF80EAAC9EE28C9F406362A8F56DD26ECFA29335958C856	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-256 Timestamping CA, Level 1	7FC29B856B23EEFC3A5E68775E0B37DC320627FD5C19368BB68397EE219A667A	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-384 Timestamping CA, Level 1	F75E65420AD6C018D915BBBA40A77122B30ACFD417DA3A885E4C4CD9E065A415	2/6/2018	8/21/2042
C = US S = Illinois L = Chicago O = SecureTrust CN = SecureTrust Timestamping CA, Level 1	090DF1220A60E8E865F8607B9A24BC3BE00D933D438FB686A3173DFEC5BFBB40	1/29/2019	12/31/2034