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Independent Auditor's Report WebTrust for CAs – Extended Validation

Amstelveen, 23 December 2020

To the management of Digital Trust LLC:

We have examined the assertion by the management of Digital Trust LLC (hereafter: DigitalTrust) that for its Certification Authority (CA) operations in the United Arabic Emirates, throughout the period 1 October 2019 to 30 September 2020 for its infrastructure consisting of the following entities:

Common Name	SHA-256 Hash fingerprint	Type	Status
DigitalTrust Root CA G3	69062701346901A8E73BD846BFD1AE5752D389A857 68DFCB04D6DDEEDC1D6B54 CN=DigitalTrust Root CA G3,O=DigitalTrust L.L.C.,C=AE	Root	Active
DigitalTrust High Assurance CA G3	C1734233C45BCDD1F5EBE41278DF1AEC1C88AC22 C4D15125B8774D43E81EFAE3 CN=DigitalTrust High Assurance CA G3,O=DigitalTrust L.L.C.,C=AE	Intermediate	Active
DigitalTrust Root CA G4	1EEA09E623D764AF6F659141D3E41FBBE5158F9645 801180A1A86CE5DF538B82 CN=DigitalTrust Root CA G4,O=DigitalTrust L.L.C.,C=AE	Root	Active
DigitalTrust High Assurance CA G4	5718E3E84A286B0FA2A0B2DB14E955DF79A7655A1 EB5BE3A86120058196CC13E CN=DigitalTrust High Assurance CA G4,O=DigitalTrust L.L.C.,C=AE	Intermediate	Active
UAE Global Root CA G3	D2DBB1E65DE7FA8E13EF96B954C1E1FEE4349626 A822DE814F11A17C133D808B CN=UAE Global Root CA G3,O=UAE Government,C=AE	Root	Active
UAE High Assurance CA G3	B1941C7F78637CF5203A309CF91BC742A615AEEB8 EEDD91D389E6AD170880DC5 CN=UAE High Assurance CA G3,O=UAE Government,C=AE	Intermediate	Active
ICA Root CA G3	2DED99346FF9714C9117E7A9655385D5451DD15352 91F037F28C65CA2ABA89A3 CN=ICA Root CA G3,O=UAE Government,C=AE	Intermediate	Active
UAE Global Root CA G4	0791529BB8DED6D1CF7A48683275668F858B5A0110 1A335BC7722AE37B743F36 CN=UAE Root CA G4,O=UAE Government,C=AE	Root	Active

Common Name	SHA-256 Hash fingerprint	Type	Status
UAE High Assurance CA G4	983F6BF8F365034A8F0714298F535A54F9FA2B4E0692A7ACDC5B83DF01F4058D CN=UAE High Assurance CA G4,O=UAE Government,C=AE	Intermediate	Active
ICA Root CA G4	5108E4F77552AF09C622443CA250F7DB96E00C09E9E88EF25F152C5A9017CCD8 CN=ICA Root CA G4,O=UAE Government,C=AE	Intermediate	Active
DarkMatter Root CA G3	4B3F646CD878C2B0659A727E0EB8780E5010ECEC03E2EF5E679880E265D486A3 CN=DarkMatter Root CA G3,O=DarkMatter L.L.C.,C=AE	Root	Active
	E68729013A50404DC1BAF7127B3D3C98A8FF392B735D0B1140858D5B91C3BE65	Root	Active
DM X1 High Assurance CA G3	BB71A7881B6E7A2F2B81F57C5DC9C9B8C5F2C8899EEB820B55D675467CC01D8D CN=DM X1 High Assurance CA G3,O=DarkMatter LLC,C=AE	Intermediate	Active
DarkMatter Root CA G4	319A7F79258C33992B6BA277005AD3EA1802D899A99E42CD541750A4B4CC7CCD CN=DarkMatter Root CA G4,O=DarkMatter L.L.C.,C=AE	Root	Active
	515869A435D6D47D3EB8F38D6F9198EC83F2A56AD31CC1AEDE4F7B89DA69E4BF	Root	Active
DM X1 High Assurance CA G4	AB73ACF37C85B6F737D99E054863C29C0A583B06AF3656D21CA6E3B318D48CF7 CN=DM X1 High Assurance CA G4,O=DarkMatter LLC,C=AE	Intermediate	Active
DarkMatter High Assurance CA	3AE699D94E8FEBDACB86D4F90D40903333478E65E0655C432451197E33FA07F2 CN=DarkMatter High Assurance CA,O=DarkMatter LLC,C=AE	Intermediate	Retired (July 2020)

DigitalTrust has:

- disclosed its extended validation SSL ("EV SSL") certificate lifecycle management business practices in its Certificate Practice Statement v1.12 of April 2020, in accordance with its Certificate Policy, version 1.5, dated February 2020, including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on https://ca.digitaltrust.ae/CPS/index.html, and provided such services in accordance with its disclosed practices.
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
  - EV SSL subscriber information is properly authenticated (for the registration activities performed by DigitalTrust)

based on the AICPA/CICA WebTrust for Certification Authorities - Extended Validation Audit Criteria - Version 1.6.8 - May 2019.

The management of DigitalTrust is responsible for its assertion. 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 and, accordingly, included:

- obtaining an understanding of DigitalTrust's EV SSL certificate life cycle management practices, including its relevant controls over the issuance, renewal and revocation of EV SSL certificates;
- selectively testing transactions executed in accordance with disclosed EV SSL certificate lifecycle management practices;
- testing and evaluating the operating effectiveness of the controls; and
- performing such other procedures as we considered necessary in the circumstances.

We believe that our examination provides a reasonable basis for our opinion.

The relative effectiveness and significance of specific controls at DigitalTrust CA 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. We have performed no procedures to evaluate the effectiveness of controls at individual subscriber and relying party locations.

Because of the nature and inherent limitations of controls, DigitalTrust'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, throughout the period 1 October 2019 to 30 September 2020, DigitalTrust management's assertion as referred to above is fairly stated, in all material respects, based on the WebTrust for Certification Authorities - Extended Validation Criteria (version 1.6.8).

This report does not include any representation as to the quality of DigitalTrust's services beyond those covered by the WebTrust for Certification Authorities - Extended Validation Criteria, or the suitability of any of DigitalTrust's services for any customer's intended purpose.

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

On behalf of KPMG Advisory N.V.

Amstelveen, 23 December 2020

drs. ing. R.F. Koorn RE CISA
Partner

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DigitalTrust MANAGEMENT'S ASSERTION as to its Disclosure of its Business Practices and its Controls over its Extended Validation Certification Authority Operations during the period from 1 October 2019 to 30 September 2020

23 December 2020

Digital Trust LLC, a company under the United Arabic Emirates law, (hereafter: DigitalTrust), provides Extended Validation Certification Authority (EV-CA) services through its public PKI infrastructure consisting of:

Common Name	SHA-256 Hash fingerprint	Type	Status
DigitalTrust Root CA G3	69062701346901A8E73BD846BFD1AE5752D389A85768D FCB04D6DDEEDC1D6B54 CN=DigitalTrust Root CA G3,O=DigitalTrust L.L.C.,C=AE	Root	Active
DigitalTrust High Assurance CA G3	C1734233C45BCDD1F5EBE41278DF1AEC1C88AC22C4D 15125B8774D43E81EFAE3 CN=DigitalTrust High Assurance CA G3,O=DigitalTrust L.L.C.,C=AE	Intermediate	Active
DigitalTrust Root CA G4	1EEA09E623D764AF6F659141D3E41FBBE5158F9645801 180A1A86CE5DF538B82 CN=DigitalTrust Root CA G4,O=DigitalTrust L.L.C.,C=AE	Root	Active
DigitalTrust High Assurance CA G4	5718E3E84A286B0FA2A0B2DB14E955DF79A7655A1EB5 BE3A86120058196CC13E CN=DigitalTrust High Assurance CA G4,O=DigitalTrust L.L.C.,C=AE	Intermediate	Active
UAE Global Root CA G3	D2DBB1E65DE7FA8E13EF96B954C1E1FEE4349626A822 DE814F11A17C133D808B CN=UAE Global Root CA G3,O=UAE Government,C=AE	Root	Active
UAE High Assurance CA G3	B1941C7F78637CF5203A309CF91BC742A615AEEB8EED D91D389E6AD170880DC5 CN=UAE High Assurance CA G3,O=UAE Government,C=AE	Intermediate	Active
ICA Root CA G3	2DED99346FF9714C9117E7A9655385D5451DD1535291F0 37F28C65CA2ABA89A3 CN=ICA Root CA G3,O=UAE Government,C=AE	Intermediate	Active
UAE Global Root CA G4	0791529BB8DED6D1CF7A48683275668F858B5A01101A3 35BC7722AE37B743F36 CN=UAE Root CA G4,O=UAE Government,C=AE	Root	Active

Common Name	SHA-256 Hash fingerprint	Type	Status
UAE High Assurance CA G4	983F6BF8F365034A8F0714298F535A54F9FA2B4E0692A7ACDC5B83DF01F4058D CN=UAE High Assurance CA G4,O=UAE Government,C=AE	Intermediate	Active
ICA Root CA G4	5108E4F77552AF09C622443CA250F7DB96E00C09E9E88EF25F152C5A9017CCD8 CN=ICA Root CA G4,O=UAE Government,C=AE	Intermediate	Active
DarkMatter Root CA G3	4B3F646CD878C2B0659A727E0EB8780E5010ECEC03E2EF5E679880E265D486A3 CN=DarkMatter Root CA G3,O=DarkMatter L.L.C.,C=AE	Root	Active
	E68729013A50404DC1BAF7127B3D3C98A8FF392B735D0B1140858D5B91C3BE65	Root	Active
DM X1 High Assurance CA G3	BB71A7881B6E7A2F2B81F57C5DC9C9B8C5F2C8899EEB820B55D675467CC01D8D CN=DM X1 High Assurance CA G3,O=DarkMatter LLC,C=AE	Intermediate	Active
DarkMatter Root CA G4	319A7F79258C33992B6BA277005AD3EA1802D899A99E42CD541750A4B4CC7CCD CN=DarkMatter Root CA G4,O=DarkMatter L.L.C.,C=AE	Root	Active
	515869A435D6D47D3EB8F38D6F9198EC83F2A56AD31CC1AEDE4F7B89DA69E4BF	Root	Active
DM X1 High Assurance CA G4	AB73ACF37C85B6F737D99E054863C29C0A583B06AF3656D21CA6E3B318D48CF7 CN=DM X1 High Assurance CA G4,O=DarkMatter LLC,C=AE	Intermediate	Active
DarkMatter High Assurance CA	3AE699D94E8FEBDACB86D4F90D40903333478E65E0655C432451197E33FA07F2 CN=DarkMatter High Assurance CA,O=DarkMatter LLC,C=AE	Intermediate	Retired (Jul 2020)

The management of DigitalTrust is responsible for establishing and maintaining effective controls over its EV SSL CA operations, including its EV SSL CA business practices disclosure on its website, EV SSL key lifecycle management controls, and EV SSL certificate lifecycle management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

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

The management of DigitalTrust has assessed the design of controls over its EV SSL CA Services as scoped above. Based on that assessment, in DigitalTrust management's opinion, in providing its EV SSL CA services at Abu Dhabi and Dubai, United Arab Emirates, throughout the period 1 October 2019 to 30 September 2020, DigitalTrust has:

- Disclosed its Extended Validation SSL ("EV SSL") Certificate life cycle management practices in its Certification Practice Statement, version 1.12, dated April 2020, in accordance with its Certificate Policy, version 1.5, dated February 2020, including its commitment to provide EV SSL Certificates in conformity with the applicable

CA/Browser Forum Guidelines on https://ca.digitaltrust.ae/CPS/index.html, and provided such services in accordance with its disclosed practices

- maintained effective controls to provide reasonable assurance that
    - the integrity of keys and EV SSL certificates it manages is established and protected throughout their life cycles; and
    - EV SSL subscriber information is properly collected, authenticated (for the registration activities performed by DigitalTrust) and verified.

based on the AICPA/CICA WebTrust for Certification Authorities Extended Validation SSL Audit Criteria - Version 1.6.8 - May 2019, including the following:

- **CA BUSINESS PRACTICES DISCLOSURE**
- **SERVICE INTEGRITY**
    - EV Certificate Content and Profile
    - EV Certificate Request Requirements
    - Information Verification Requirements
    - Certificate Status Checking and Revocation
    - Employee and Third Party Issues
    - Data and Record Issues

For approval:

Scott Rea
Head of DigitalTrust,
Digital Trust LLC