LIGHTest

Towards Global Trust Transparency

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Current islands of identity restrict trust and commerce.
Public and private sector schemes need to grow and interlink.
So what problems do we need to address?

- Fear of technology failure
- Uncertainty over security
- Doubt over governance
Example:
The number of biometric technologies and how they are applied is overwhelming.
and facial recognition will soon have a global installed base
So counterparties may have their own views on which Biometrics they wish to trust.

Such as:

- Technologies
- Exception Management
- Sensitivity
- Algorithms
How do we assess their applicability to one’s own trust requirements?
Solution: LIGHTest versatility helps the biometrics capability to be understood by any relying party
Countries and companies have a vested interest in cross-border trust services. However, without transparency of policies and rules between counterparties, trust cannot be achieved. LIGHTest builds trust transparency by using a standard way of publishing trust lists, schemes, and formats, relevant delegation schemes, and trust translation schemes—all over a global trust infrastructure. LIGHTest uses DNS as the most trusted global infrastructure that is widely available, but utilises both technical and legal code to facilitate and accelerate this emerging market.
What LIghtest is and what LIghtest is NOT

• LIghtest is not an alternative to eIDs or business registers
• LIghtest does not allow you to outsource trust decisions
• LIghtest does allow you to use a global, known and trusted infrastructure to:
  • Retrieve ID information
  • Verify ID information
  • Determine trust assurances behind it
  • Facilitate your own decision making
• While also providing a growth path for future European ID policy!
Root Servers
2016: 558 DNS root server instances

Top-Level-Domain Name Servers
genericTDLs: com, org, edu, info... de, it, at, us, ca, ...

Most Organizations have existing Name Servers
eu, gov.it, daimler.com, fraunhofer.de

Organization can define lower-level names
- Existing or dedicated name servers
  - trust.ec.eu, elDAS.trust.ec.eu, signature.elDAS.trust.ec.eu
So how do we engage with stakeholders?
Addressing the emerging market of cross-border trust services

LIGHTest uses a globally known and trusted infrastructure to retrieve and verify identity information and determine the underlying trust assurances and policies. With this better understanding, risk analysis and decision making can be facilitated, and business policy compliance can be determined. The true operational costs and risks of any transaction are thus exposed.

LIGHTest is providing essential tools for transacting in an emerging global market.
Breaking new ground in cross-border trust agreements

LIGHTest allows you to use a globally known and trusted infrastructure – the DNS, one of the corner-stones of the internet – to retrieve and verify identity information and determine the trust assurances behind it. LIGHTest can facilitate decision making in numerous contexts: Is the person who the claim to be? Can they represent the company? Is a transaction legitimate? Can I trust a document according to my own rules?

There are a number of legislative requirements which need to be taken into account including eIDAS, GDPR and BRIS, as well as a myriad if national laws depending on use cases. The DNS focusses on enabling technically trustworthy communications and LIGHTest utilises DNS to provide policy visibility and transaction visibility to ensure legal and commercial compliance.
The next generation of open standards and technical tools for trust management

LIGHTest allows you to use a globally known and trusted infrastructure as a mechanism to retrieve and verify trust information and determine policy compliance, in order to facilitate decision making.

LIGHTest creates a global methodology for trust scheme discovery and verification utilising DNS as the publication database. LIGHTest enables interoperability between existing frameworks both cross-border and cross-application, solving real problems that exist today.
Welcome to the LIGHTest Community Website; a global community based on international standards and open source software promoting the use of LIGHTest. Lightweight Infrastructure for Global Heterogeneous Trust management in support of an open Ecosystem of Stakeholders and Trust schemes.

This community website encourages associate partners to communicate on our forum as well as disseminate the latest LIGHTest news.
The European LIGHTest Project

- Horizon 2020
- Innovation Action
- Call: H2020-DS-2015-1 Trust eServices
- Started September 1, 2016
- 36 months
- Estimated cost of 8.7 Mio Euros
- 14 partners from 9 countries
- Coordinated by Fraunhofer
Thank You!

Please join us!!

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