

Four connectivity principles

The cornerstones of every Lequinox transaction.

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Lequa's four connectivity principles

Lequa creates a system for compliance assurance and full inter-connectivity based on four principles applicable to every transaction. By combining these four principles Lequa solutions create a decentralised and policy led framework where regulations are enforced, organisational policies are implemented, identities, assets and content are protected for all participants: Lequa aims at creating a compliance based connectivity ecosystem.

Principle 1

Retain ownership of identity, protect intellectual property, and connect verified identities to roles, responsibilities and access right

Decentralised identification framework

There is no central issuer of certificates, and identity is authenticated through reference validation. The users' identity becomes stronger with number of references pointing to it, creating a reliable identification framework based on network references (Ex: National ID scheme, organisational roles, etc.)

Identification and delegated roles

Individuals manage their digital identity in roles, i.e. private role and delegated roles: compliance officer, company owner, etc. Each electronic signature relates to a specific role to clarify responsibilities.

Ownership and intellectual property

Individuals and organisations retain ownership and control over their digital identity, roles and "things", register their intellectual property, and set policies to protect their connected assets from unauthorised use.

Principle 2

Protect process integrity with policy led transactions and maintain privacy of users and confidentiality of shared content and information.

Confidentiality

All information and files are locally encrypted before sent or submitted to their destination to prevent information and processes from being tampered with by unauthorized roles.

Advanced digital signature

To ensure data and process integrity, Lequinox platform uses advanced electronic signatures that are compliant with European legislation. An advanced electronic signature protects the integrity of both the content and the identity of the signatory.

Qualified certificates

Lequinox platform supports; as described in the EU legislation qualified electronic signature which is based on a qualified certificate and is created by a secure-signature-creation device such as a smart card. The qualified electronic signature enjoys a higher standard of reliability according to the EU legislation.

Principle 3

Enable traceability with an irrefutable record of all transactions and allow users to prove process compliance.

Decentralised archiving system

Individuals and organisations encrypt all their content locally in accordance with advanced encryption standards and can securely archive content in a place of their choice.

Irrefutable transaction receipt

The archived receipts of Lequinox platform contains hash values of identities of participants, time of interaction and electronic signatures, but not the content of the interaction.

Process traceability and Additional security

Individuals users in delegated roles, access services and sign electronically for all transactions they engage in to secure traceability and consent in all transactions. Users can choose their own security levels i.e. biometric identification, smart cards and more.

Principle 4

Enjoy Full Scale interoperability connecting users, devices and services in a legal and policy compliant framework

Policy-based technology

This means that managers have full assurance that their IT processes respond on all occasions to business policy and compliance requirements. Lequinox™ platform is a hands-on tool enabling managers to set interaction and access policies for roles and applications.

Multi policy interaction

All connected individuals, organisations, applications and “things” are able to interconnect also in different policy environments. This includes business policies, industry standards or national legislations. They can communicate, transact and use web services in a legally and technically interoperable environment.