ITUEvents

ITU Regional Cybersecurity Forum for Europe and CIS

27-28 February 2020 Sofia, Bulgaria

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ITU Regional Initiative for Europe on enhancing trust and confidence in the use of ICTs

ITU Regional Initiative for CIS on the development and regulation of infocommunication infrastructure to make cities and human settlements inclusive, safe, and resilient

POLICIES & STRATEGIES

CERTIFICATION FRAMEWORKS

DATA PROTECTION

SECURITY CHALLENGES 5G, eSIM loT, Al





State e-Government Agency





REPUBLIC OF BULGARIA Ministry of Transport, Information Technol and Communications



DECENTRALIZED SECURITY

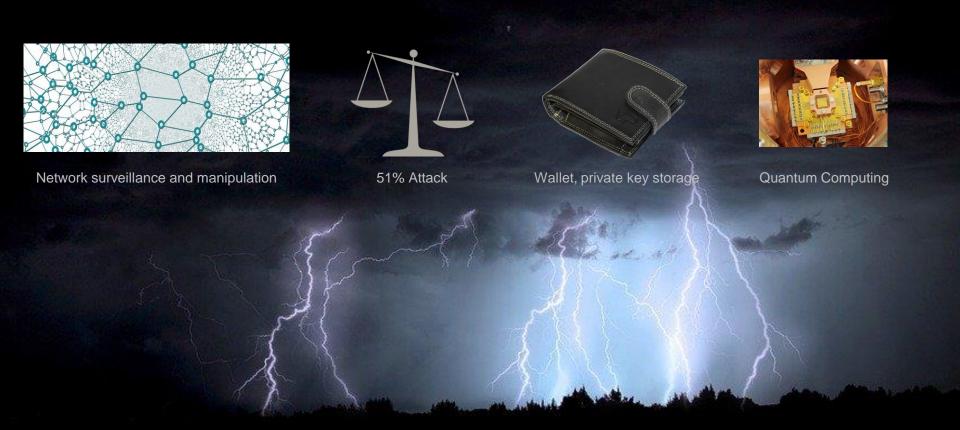


Traditional security



Blockchain security

Specific Blockchain Technology Risks





The Certledger Architecture



CertLedger is creating a new transparent, reliable, and efficient Public Key Infrastructure (PKI) with certificate transparency based on blockchain.

DECENTRALIZED IDENTITY



SMART CONTRACTS

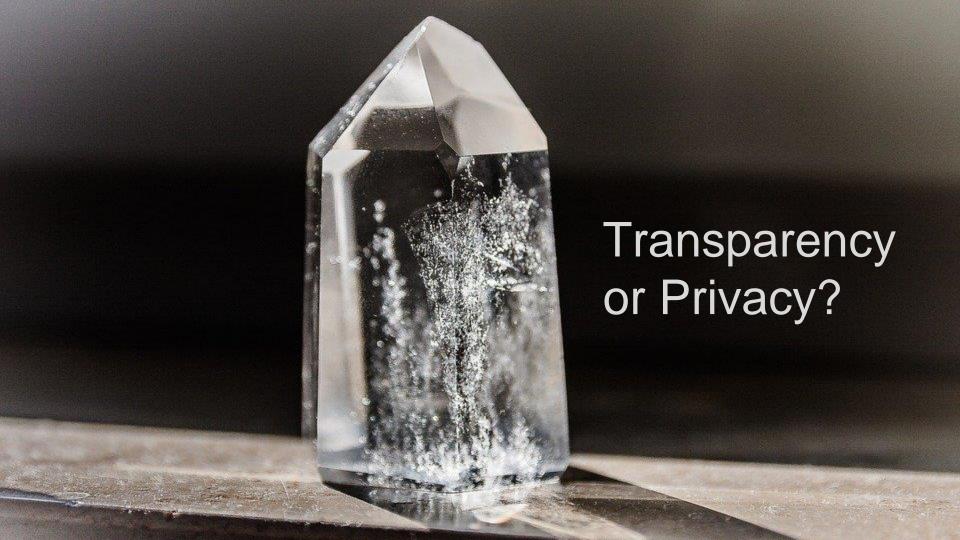


CONTRACT — example trading

platform







Conventional Systems



Blockchain Systems



Data Subjects





Summary

- Blockchain has a different approach to security
- Current regulation is not technologically neutral and has friction points with decentralized systems

Thank you

Questions?

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