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Research
Centre



Blockchain Research

Distributed Ledger Technologies for the Fintech and IoT Space

- Store data directly from IoT devices onto an immutable ledger
- Mining and monitoring data on the blockchain with real-time alerts

Industry Benefits

Securely share customer identity information

Reduce flow of paper documents in the legal, healthcare, financial sectors

Digitally signed and encrypted emails

Two-factor authentication for secure web login

Use Cases

Public Key Infrastructure
Issue citizens with a digital identity

Know Your Customer
Enable KYC document sharing at the click of a button

Electronic Voting
Internet voting using mobile devices

Internet of Things
Security and deep mining of IoT data

Industry Challenge:

DLT has changed the Fintech and IoT landscape

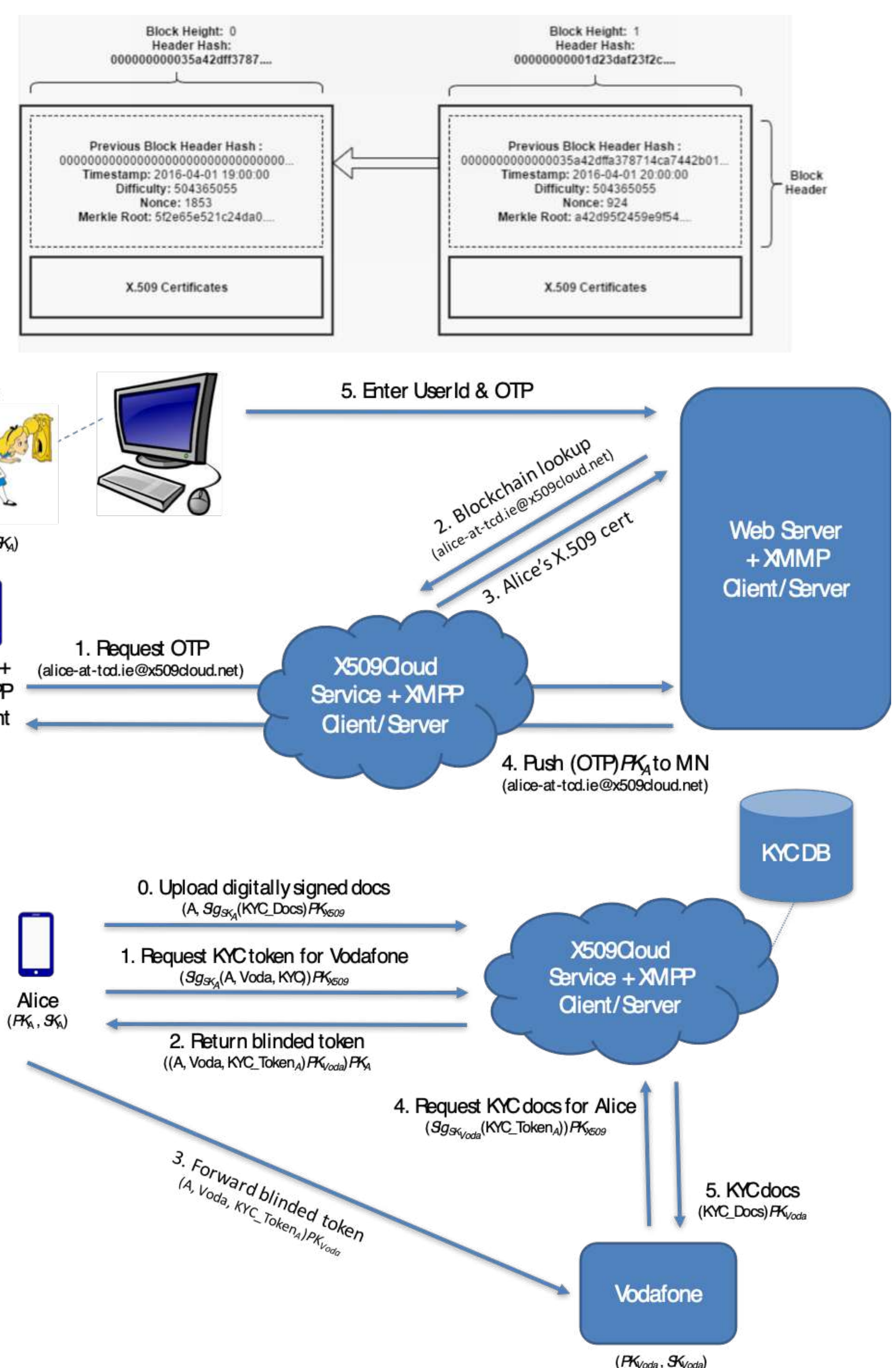
- Centralized control or decision making is a thing of the past
- Traditional banks and financial institutions are scrambling to catch up with this new DLT paradigm

Our Solution:

Distributed Ledger Technologies and Machine Learning

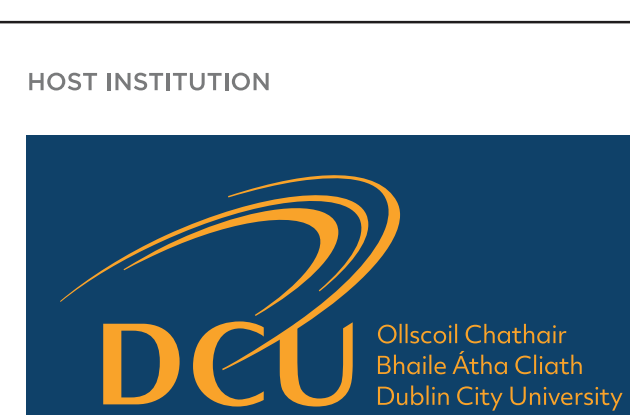
Use DLT and ML to solve the following pressing issues:

- Cryptocurrencies linked to FIAT
- Public Key Infrastructure / Digital Identities
- Know Your Customer (KYC)
- Secure and Trust IoT & Healthcare Data
- Internet Voting / Multiparty Computation
- Fair Lottery Protocols
- Better Intrusion Detection Systems



Hitesh Tewari and Stefan Weber

To learn more about innovative ADAPT technologies, contact: collaboration@adaptcentre.ie



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