



**Your identification management
with privacy by design**

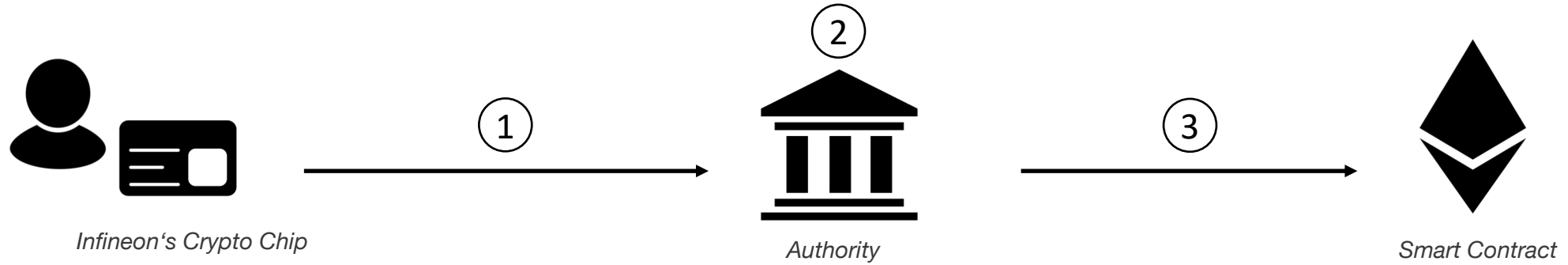
CURRENT PROBLEM



TECHNICAL OVERVIEW



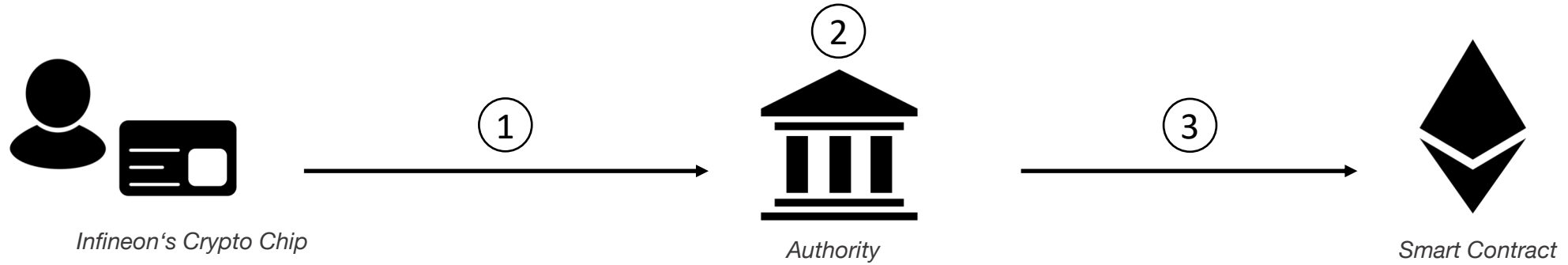
User Authentication



1. User identifies at a trusted authority
2. Authority generates Zero-Knowledge-Proof
(Input = Public Key pairs from card)
3. Verification key + proof is published in IPFS
Hashes are stored in Ethereum Smart Contract

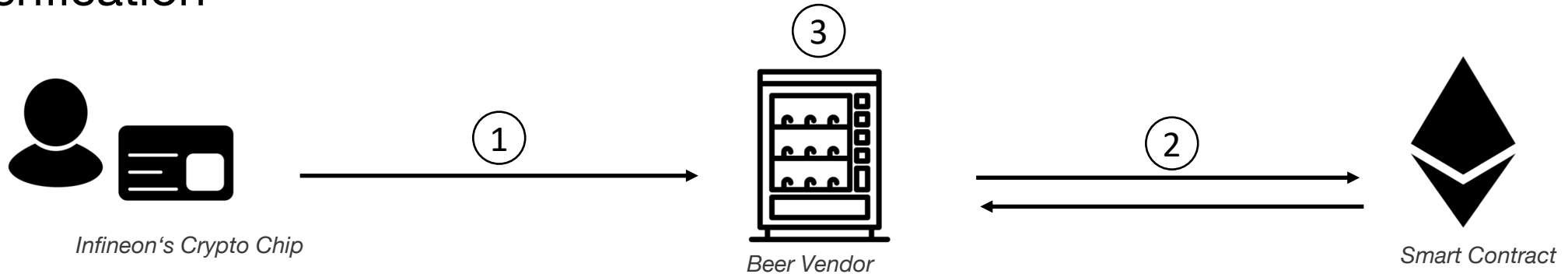


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User Verification



1. User reveals public key at vending machine
2. Vending machine requests ZKP from Smart Contract / IPFS
3. Vending machine calculates proof (is person older than 18?) without knowing any personal data



LIVE DEMO



Q&A

....or let's go for a beer? ;-)

