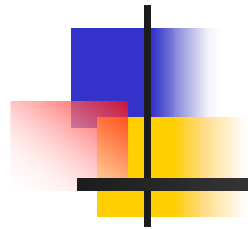


Reputation Systems Security

Position paper presentation,
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Feedback Provider Anonymity

- Fear or retaliation when providing negative feedback
- Cryptographic Anonymity
- Mechanisms:
 - e-cash
 - Designated verifier proofs
 - Knowledge proofs

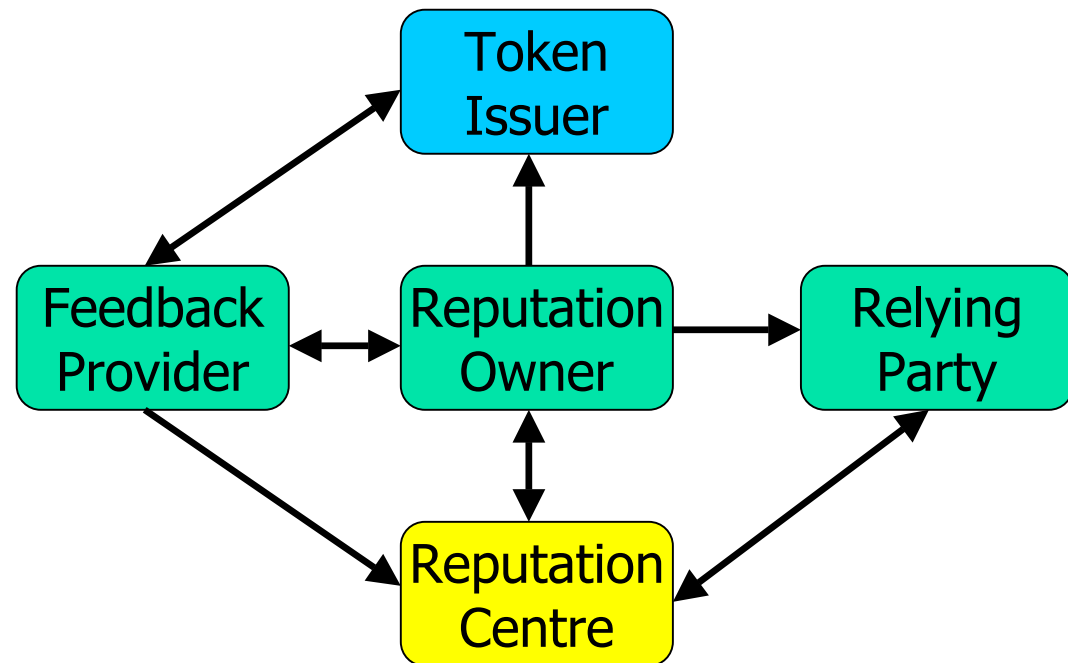


Reputation Owner Privacy

- Owner needs control over distribution of reeputation
- Owner must be unable to alter rating
- Mechanisms:
 - Digital certificates

General Security Architecture

- Feedback integrity
- Rating integrity
- Authentication
- Non-repudiation
- Anti-collusion
- Mechanism:
 - Proxy signature scheme





P2P Reputation Systems

- Distributed reputation systems
- No centralised entity
- Each participant holds
 - transaction feedback
 - Reputation rating
- Mechanism:
 - Ring signature scheme