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## Public Key Infrastructure (PKI) • Management of certificates - Issuing - Registration - Registration - Retrieval - Revocation - Cross-certification - etc. • A certificate securely maps an entity's identity onto its public key • Basis for higher-level security services











## Enabling P2P e-Commerce

- Our PKI can be used as a basis for:
  - Authentication
  - Non-repudiation
  - Accountability (reputation/trust management)
  - Authorization/access controlData integrity and privacy

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- Open issues
  - Payment model
  - Trust to do business (not possible even with centralized solutions)
  - Enforcement (not possible even with centralized solutions)





