

IOTA/FileExchange

Secure file exchange with email+iota

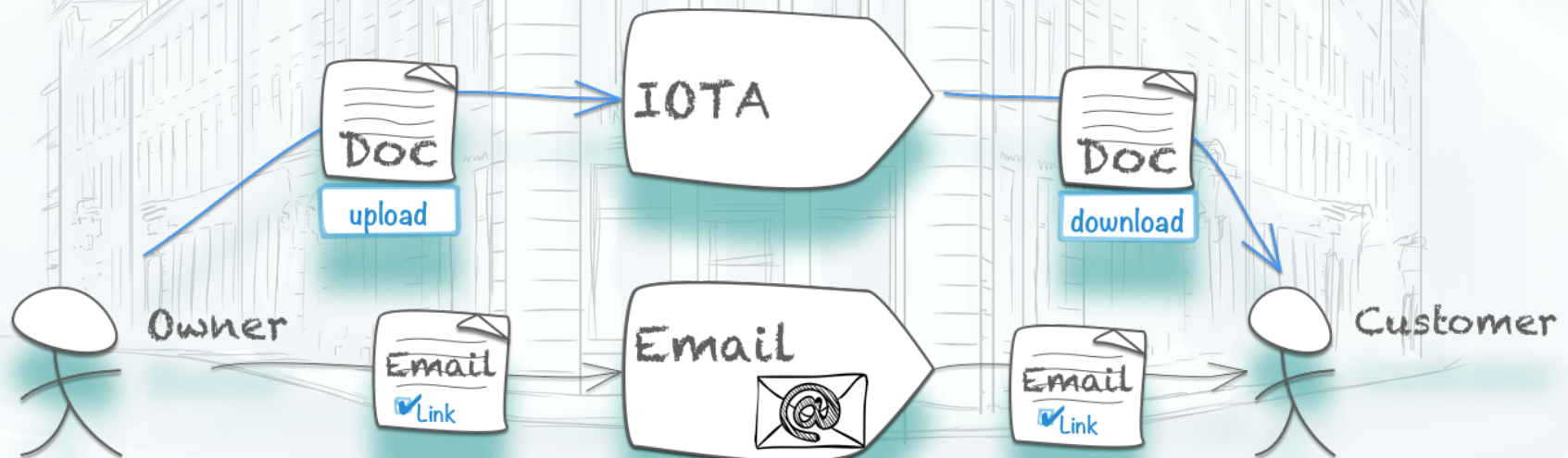


IOTA/FileExchange

- Classic document exchange with postal service



- IOTA document exchange with email service



Solved Problem

Secure document exchange with email

- to reduce letter shipping costs for companies
- to reduce paper wast for the end customer (and the earth)
- to reduce portal-login-hell for the end customer

Market

B2C (worldwide)

- companies they have a lot of document exchange with end customer (banks and insurance companies)
- to reduce its shipping costs

C2C (worldwide)

- every email user who doesn't want share plain documents (maybe 0,1% of all email users ~ 4M)

Proposed solution

PROCESS

- 1 – A Owner upload a document to Content Delivery Network (CDN)
 - 1.1 Create RSA key pair for the Owner to encrypt the document on CDN
 - 1.2 Sent the RSA key pair to the owner ledger
 - 1.3 Store the encrypted document
 - 1.4 Response the link to the encrypted document to the owner
- 2 – The owner grant a read permission to a Customer
 - 2.1 Create RSA key pair for the Customer to decrypt the document (later)
 - 2.2 Sent the RSA key pair to the customer ledger
- 3 – The Owner send a email to the customer with the document link
- 4 – Customer download the encrypted document with its public key
 - 4.1 Decrypt encrypted document with owner private keys
 - 4.2 Encrypt document with read permission public key
- 5 – Customer decrypt document with read permission private key

How IOTA is used?

