

Email Service on Blockchain



Agenda

- Current problem
- Existing Solution
- Blockchain Technology
- Solution – Email service on Blockchain
- Who will get the benefits?
- Features
- Demo

Not interesting facts

- 60% of companies have experienced a data breach of some kind in the last two years
- The average amount demanded after a ransomware attack is \$1,077
- Hackers Targeted 5 out of 6 Large Companies Using Email Attacks Last Year — an Annual Increase of 40%
- If your business has over 2,500 employees, consider yourself a prime target.
- According to billionaire investor Warren Buffett, cyber attacks is the BIGGEST threat to mankind — even more of a bigger threat than nuclear weapons.

Current problem

Email is the standard for communication, tragically email services are composed with no privacy and no security.

- **Insecure:** Confidential data are sent through unencrypted email services as it transfers data over SMTP
- **Malware:** Most of the times we receive Malware within the mail, roughly 2 to 4% emails contain a Virus, that is 6 million email with virus are sent every day.
- **Data Privacy:** Current Email services make use of our behavioral data for their product promotion and sales.

Current problem

- **Central Storage:** All our emails and attachments are stored in a central repository owned by email service. Any malicious person could hack all our data.
- **Data Loss:** All our data kept in these central server and we rely on these companies who manages server. If ever there is data loss or Malware attack there is high risk that we losing all our data.
- **Control:** These Email service are controlled and owned by one entity.
- **Data breach** - Billions of accounts from popular websites, including LinkedIn, Tumblr, MySpace, Last.FM, Yahoo were exposed on the Internet.

Existing Solution

- Protocol level dependency
- PGP based encryption (Public / Private key)
- Centralized
- Hackable

Blockchain Technology

- Decentralized
- Distributed Ledger
- Smart Contract
- Immutable
- Cryptographically secured

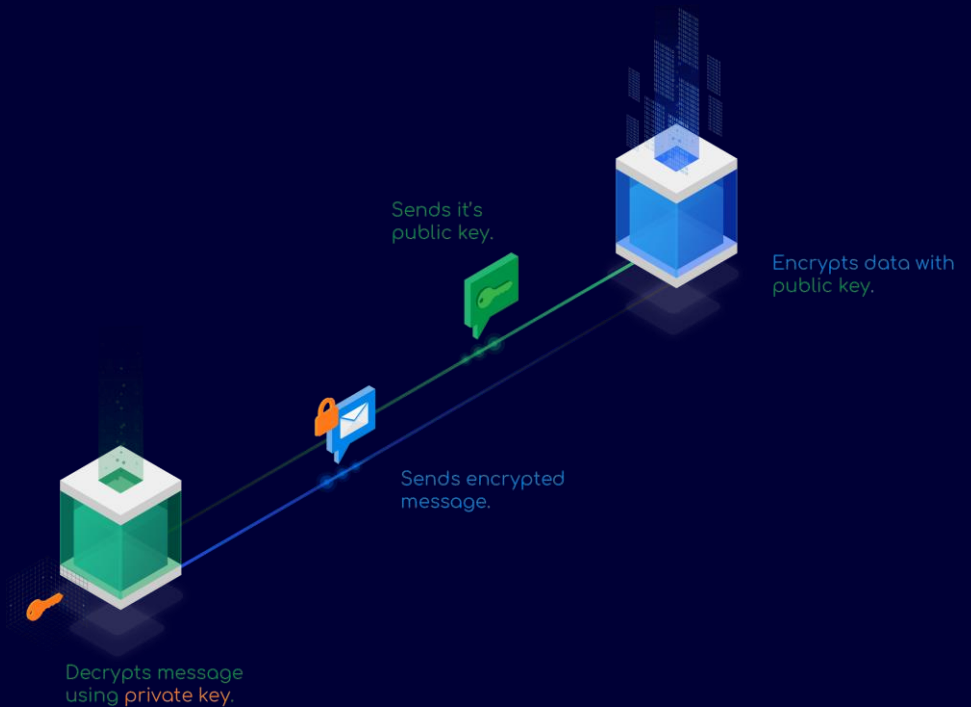
Email Solution on Blockchain

- A decentralized platform
- Client side encrypted emails
- Secure storage
- User friendly
- Non hackable network



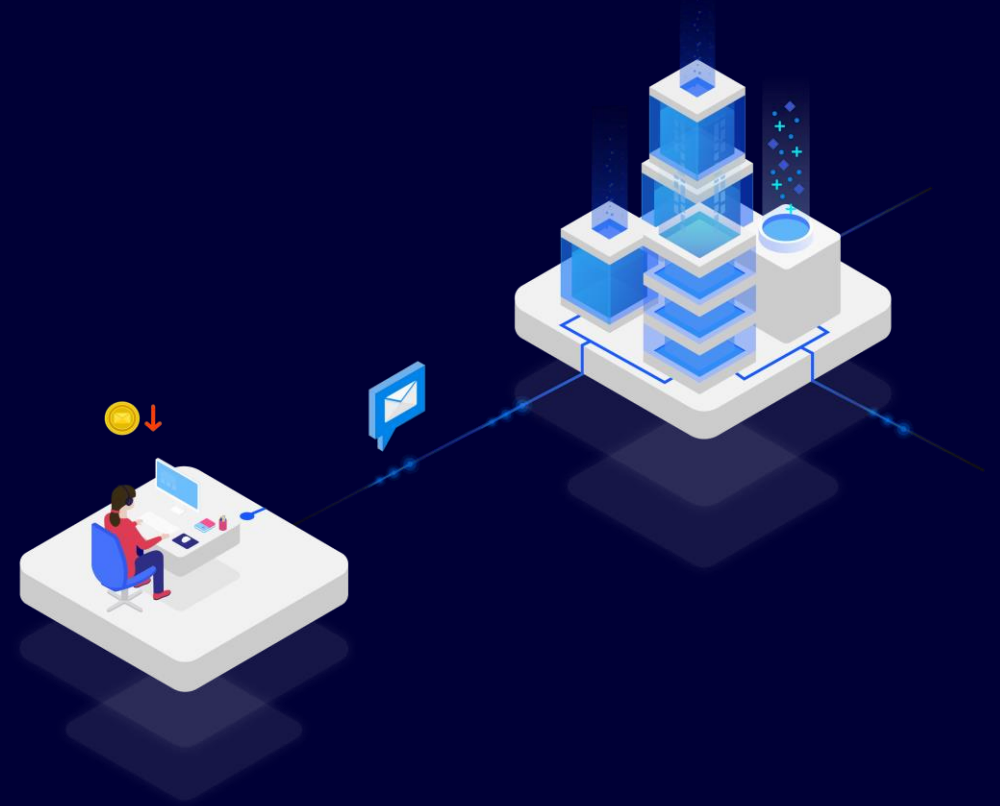
Blockchain based email service

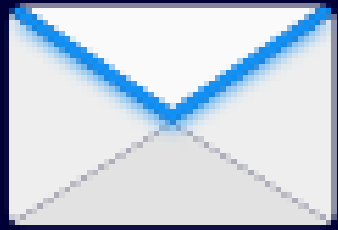
- Redesign of traditional email service.
- Avoids any flaws in existing email protocols.
- Intensive research required to be done on existing security flaws in email protocols and how can a most secure email service be built to benefit organizations and governments.



Who will get the benefits

- Government
- Military
- Security Agency
- Corporate





Ledgermail

A Pingala Product

Features

- Decentralised secure trustless key sharing mechanism
- No Protocol level dependency on current email systems
- End-to-End Offline asymmetric encryption for emails
- Decentralised tamper proof, encrypted, secure attachment (file) sharing
- User friendly and secure offline email client
- Support for ultra secure hardware device for private key storage

CREATE WALLET

IMPORT ACCOUNT

Thank you

Let's secure the emails



Contact us -

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