Hyperledger Ideas Implemented as a Community

Speaker(s): 3 Different Teams

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THINKING BREAKTHROUGHS

GOVERNMENT OF TELANGANA

Charity Management

Author(s):
PRADEEP PENTAKOTA

The problem being addressed

Donations from Billionaires, Millionaires and people are not reaching the poor due to lack of **transparency** in the way charity money is distributed. **Lack of Trust** on the charity organisations is another reason why donors are not donating
- Is money reaching the required members?
- How much Intermediaries are stealing?
- Donors are feeling will their help reach the required people or not?

Stake Holders Involved

- Citizens
- Banks
- NGO
- Government authorities
- Employers etc..

Proposed Solution

BAAS Fabric solution for charity management where all transactions are **recorded Immutably** by saving the receipt of the transaction within WebApp\MobileApp.(Integration with PayPal API can also be done). HyperLedger Fabric through its endorsement policy and MSP can give access to the different stakeholders and make them participate in consensus about status of the money transfer and revert back If it's failed.
- Single **Reports dashboard** where the info related to Charity Money status would be seen.
- **Percentage of money spent** on charity, fundraising and administrative activities.
- Stake Holders will upload status(Sent, Transferred, Held and Received) of charity money.
- Every Stake Holder will have his **own ledger** checking status of the complete flow

Applicable Industries

- Financial Aid
- Humanitarian needs
- Charity
- Philanthropy
- Government services

Benefits

- All BlockChain benefits will be applicable for this use case
  - Faster Money conflict resolutions
  - Integrity of stake holders in utilising the
  - Transparency of Charity Money transfers
  - Trust to donors that money is utilised properly

Competitors

- Donation planet
- JustGiving
- Charity Financials
- charitiesmanagement.com
- gofundme.com
- youcaring.com
- fundrazr.com

Blockchain in Logistics

Author(s):
Mohan Krishna G

The problem being addressed

- proof of origin and ethical sourcing for high-value goods such as diamonds, wine, and even fine art.Paper based (not digital) and need to be carried physically.
- Sudden increase of price in logistics partner
- Current technology stores all database in individual proprietary databases (centralized security risk)
- Does not enable trust, control or sharing of data

Stake Holders Involved

- Manufacturers
- Retailers
- Suppliers
- Logistics partners

Proposed Solution

Distributed Logistics records for individual logistics partner through blockchain network
- Initially, create a Data Layer where existing (and future) software can plug into, creating a Secure Data/Records Chain
- Manufacturer and Supplier to record all Material and Logistics data on this network
- Other complementary blockchains can build on this network
- Retailers, Manufacturers and Logistic partners to interact with the network through a medium where the data will be a digital thumb-print for each individual Goods that's been supplied.

Applicable Industries

- Retail
- Supply Chain
- Logistics

Benefits

- It will enable supply chain companies to identify attempted fraud more easily.
- **TRANSPARENCY FOR AUDITORS.** Because the history of transactions is locked into each block, auditors will have an easier time understanding where items and resources have gone
- **Provenance Tracking :** record keeping and provenance tracking become easy as the product information can be accessed through the help of embedded sensors and RFID tags.

Competitors

- Existing Retail based Companies

Blockchain in Identity Management and Background Verification

Author(s):
Suman Papanaboina

The problem being addressed

Inefficient, cumbersome, and insecure way of sharing citizen identity across banks/goverment offices/insurance companies etc..Today we all submit a copy of our identity and address proofs (Aadhar or driving license) if we want to open account in bank or if we need insurance etc... These documents are stored in siloed databases where its difficult to share it enforcing us to providing identity multiple times at multiple places and also background verification is becoming tedious and timeconsuming. Also we don't have any control on our identities. We are not sure how our identities are misusing (intentionally or due to hack).

Stake Holders Involved

- Citizens
- Banks
- Insurance Companies
- Government authorities
- Employers etc..

Proposed Solution

Distribute Identity documents on a blockchain network .
Identity documents are huge storing all data on blockchain is not a good design, store documents in IPFS and store only cryptogarphic hash on blockchain
Develop an Request/Approval process flow where any authoriy who needs identity can request concerned citizen for access
Citizens should be able to approve/deny access requests
Citizens should be able to revoke access to perticular authority at any time

Applicable Industries

- Idenitty management is a cross cutting concern it is applicable in variety of industries

Benefits

- Security of our identity documents are in now our control
- No one can access our identity with out our permission and any time we can revoke access
- Sharing/verifying identity becomes very easy because any authority on blockchain can simply request and gain access to our identity and verify
- Seemless background verification. If employer wants to see you indeed have valid bachelor degree, he can just request the access of the document and verify the background

Competitors

- Existing identity and document management solutions like docusign
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