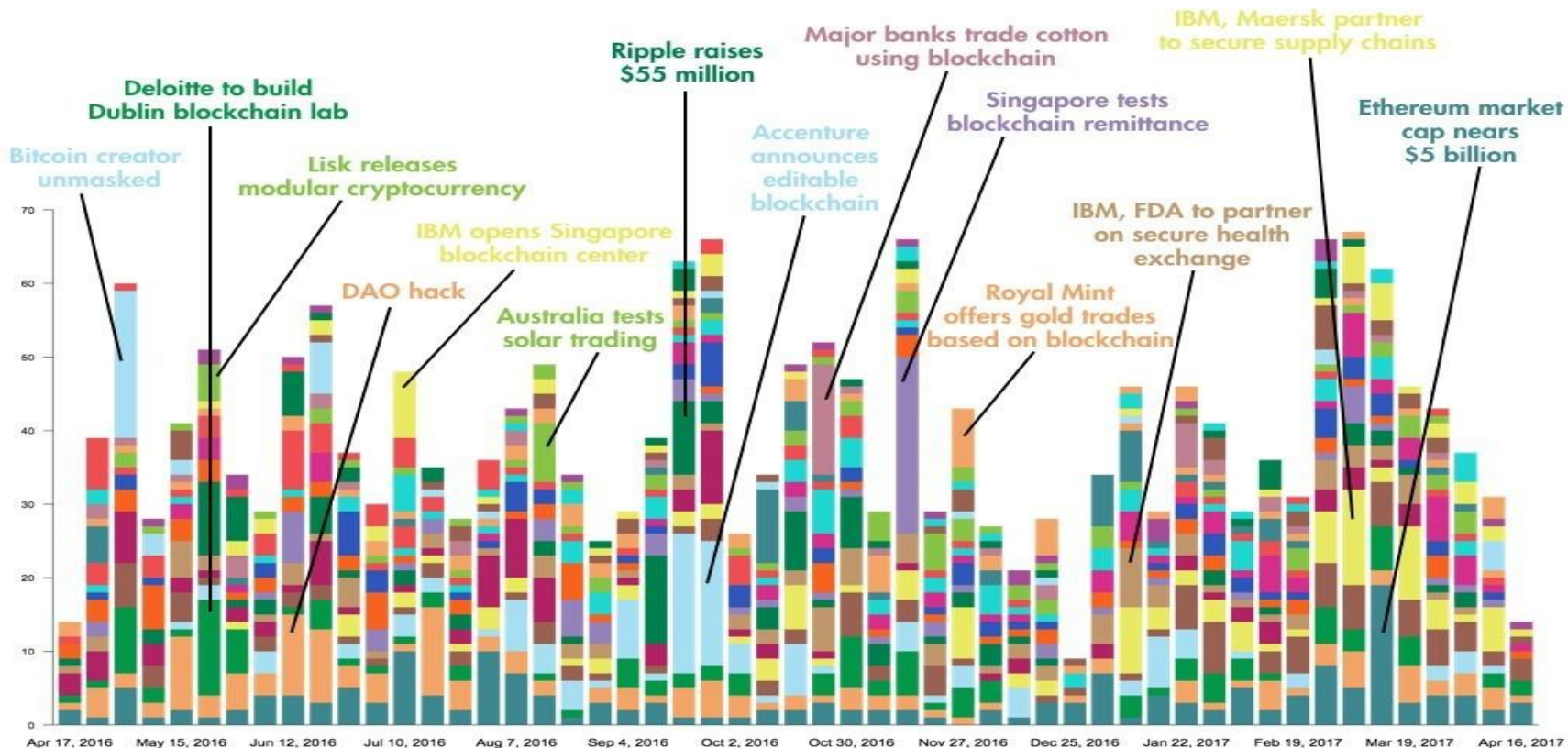


# BLOCKCHAIN WAY-FORWARD



# Blockchain Contents

What

Are blockchain technologies?

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Why

Is it relevant for our business?

---

How

We could move forward?

---

# Blockchain

## Introducing Blockchain

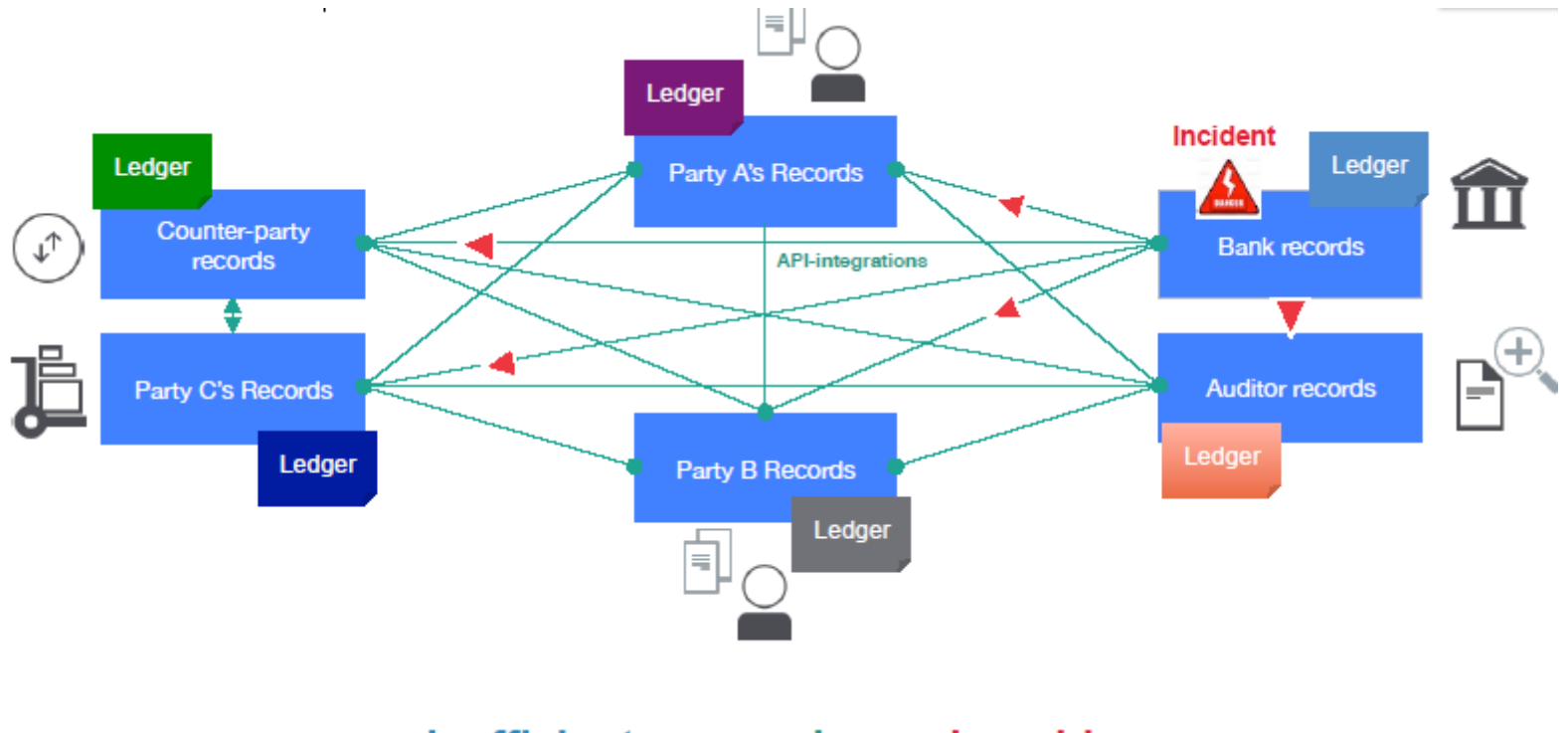
A *shared ledger technology* allowing any participant in the business network to see *THE* system of record (ledger)



# Blockchain

## Problem Statement

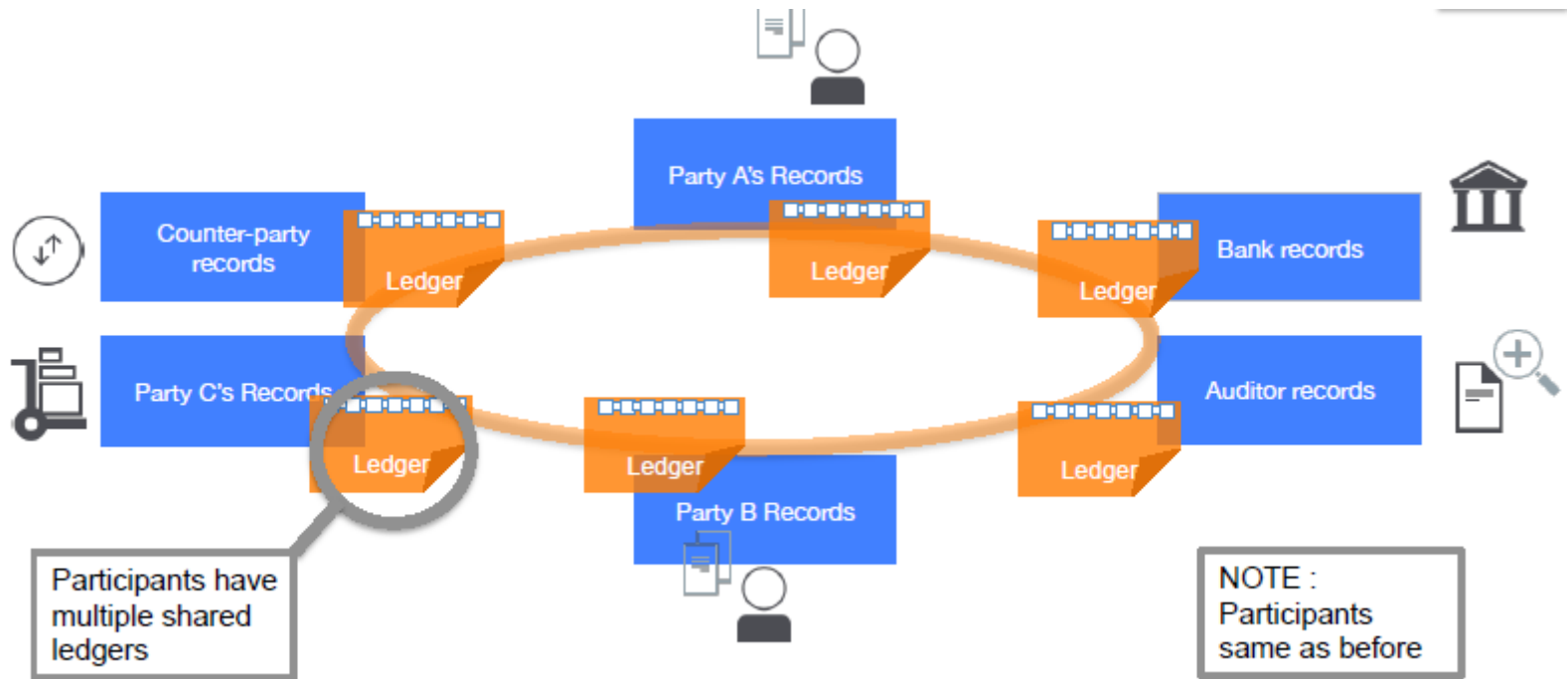
“ Difficult to monitor asset ownership and transfers in a trusted business network”



# Blockchain

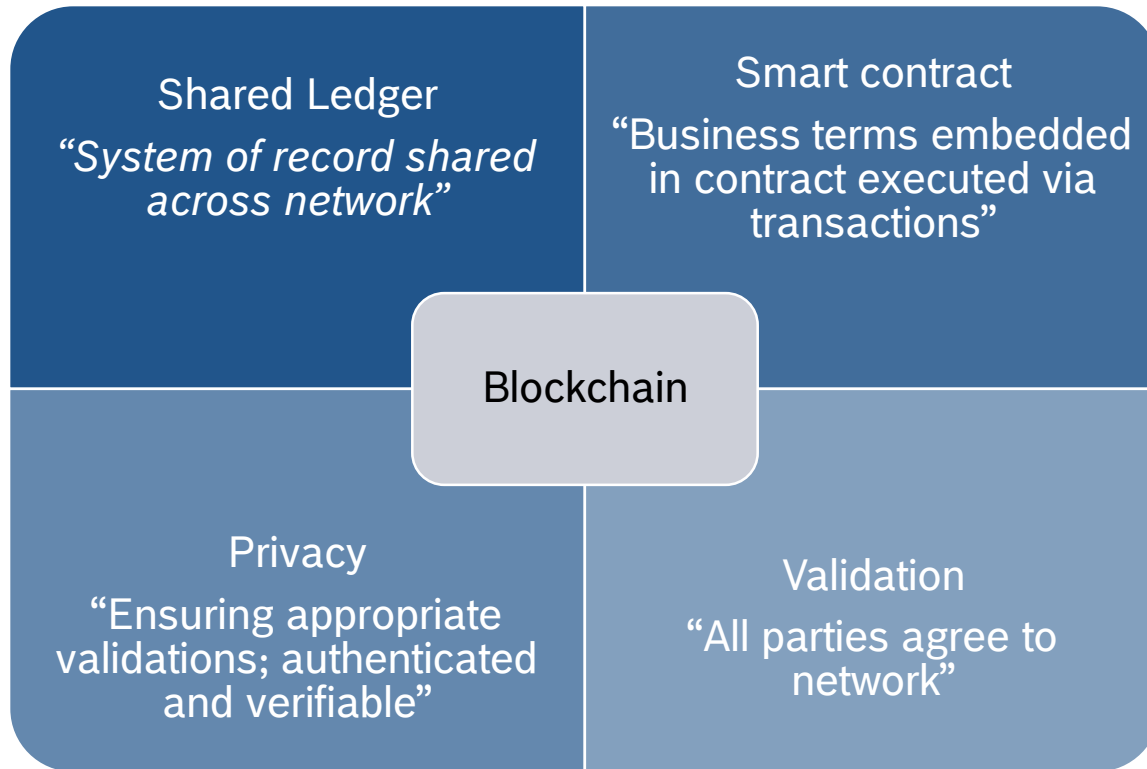
## Solution Statement

“A permissioned, replicated, shared ledger “



# Blockchain

## Blockchain 4 Business..



# Blockchain

## Shared Ledger..



- Records all transactions across business network
- Shared between participants
- Participants have own copy through replication
- Permissioned, so participants see only appropriate transactions
- The shared system of records

# Blockchain

## Smart contract



- Business rules implied by the contract . .
- . . embedded in the Blockchain &
- executed with the transaction
- Verifiable, signed
- Encoded in programming language
- Example:
  - Defines contractual conditions under which corporate Bond transfer occurs



# Blockchain

## Not for all...

1. Need high performance (millisecond) transactions
2. Small organization (no business network)
3. Looking for a database replacement
4. Looking for a messaging solution
5. Looking for transaction processing replacement

# Blockchain

## Few use cases...

1. Bank letter of credit
2. Business to Business – contracts
3. Supply chain – Digital GTS!

# Blockchain

## Way-forward

1. Alignment with SAP – BaaS( Blockchain as a Service)- Established
2. Workshop to bring out business use case
3. Partnership with Ethereum

# Blockchain

## Thank you

### Source & Credit

- IBM
- Blockchain- Alex Tapscott

