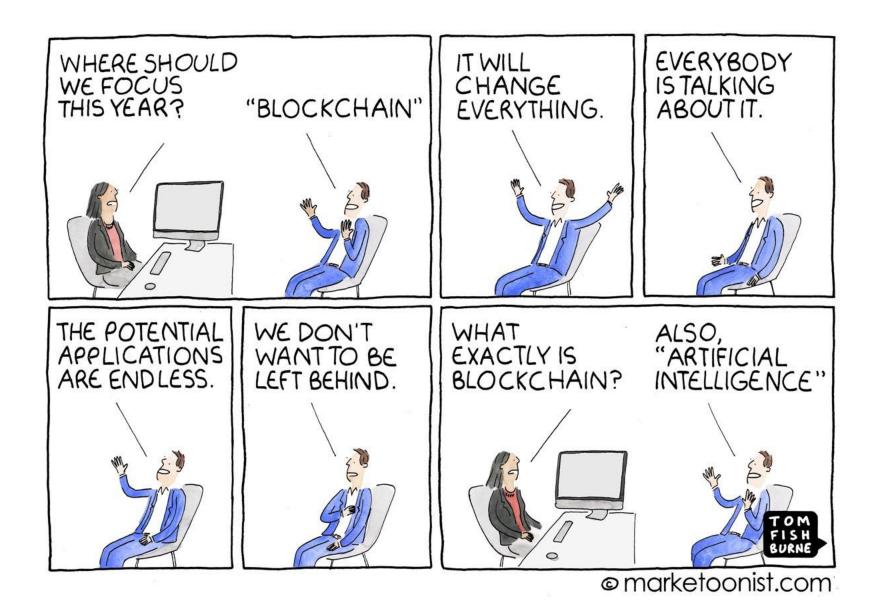


BLOCKCHAIN IN PROPERTY

PUNCAK TEGAP SDN BHD

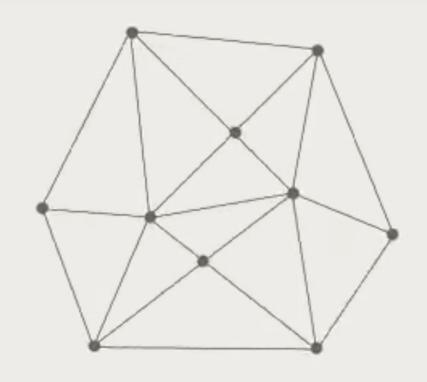
Internet, Cloud, Big Data, AI, Blockchain



What is blockchain?

A suite of distributed ledger technologies that can be programmed to record and track anything of value.



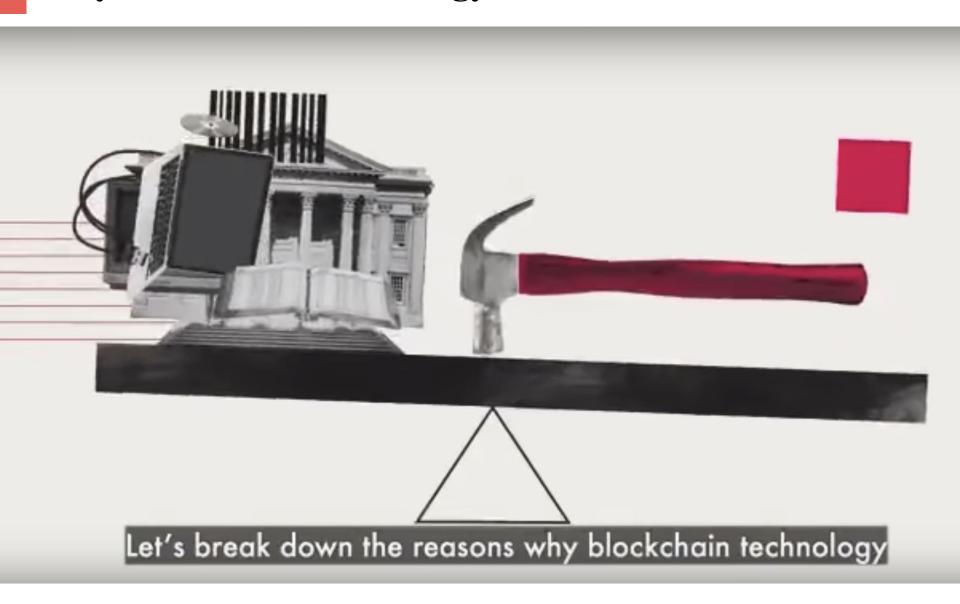


that can be programmed to record and track anything of value,

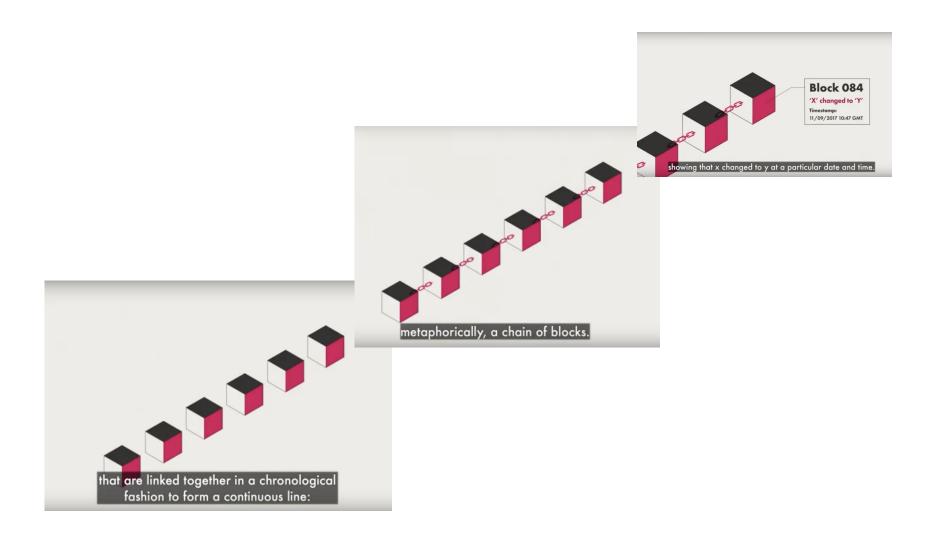
What can blockchain do?



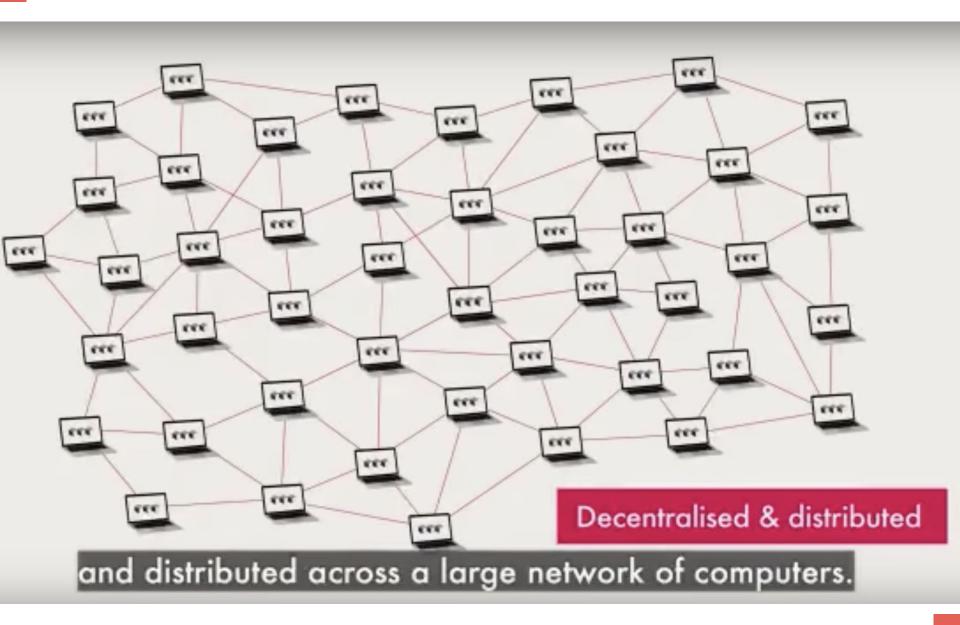
Why blockchain technology revolutionised?



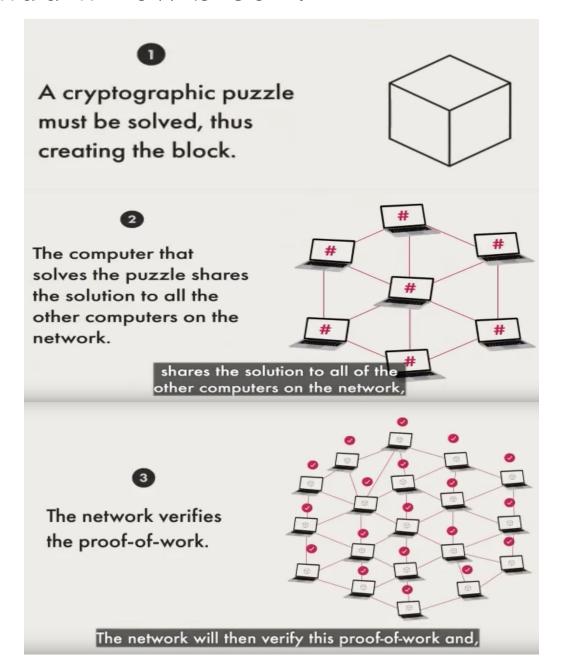
1. The way it tracks and stores data



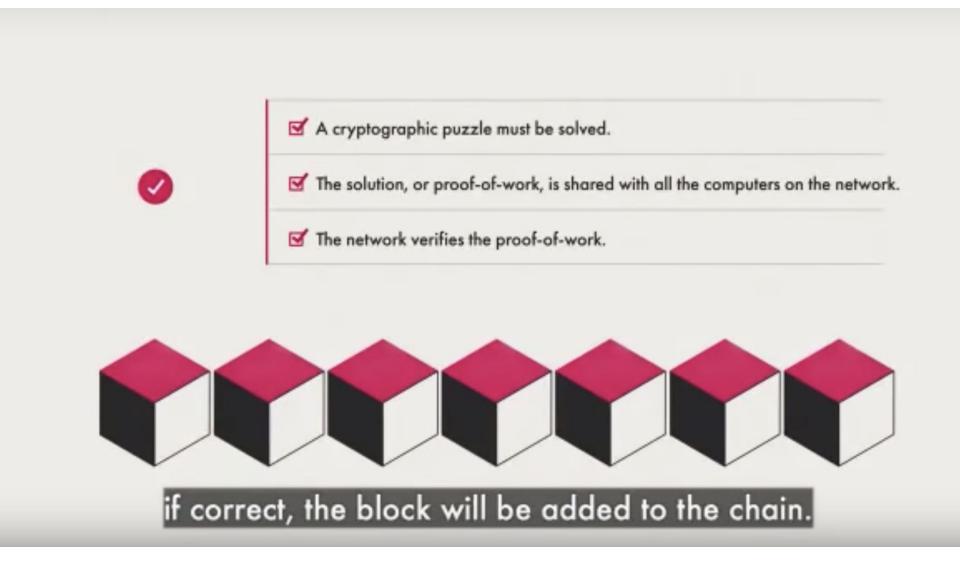
Blockchain is Decentralised and Distributed



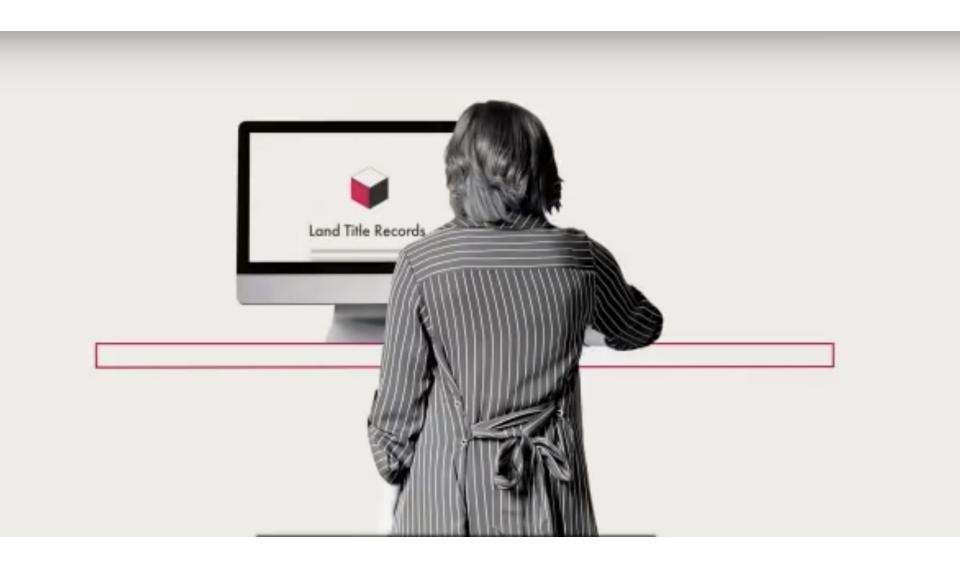
How to add a new block?



2. It creates trust in the data



Trusted and real time data on blockchain to avoid dispute

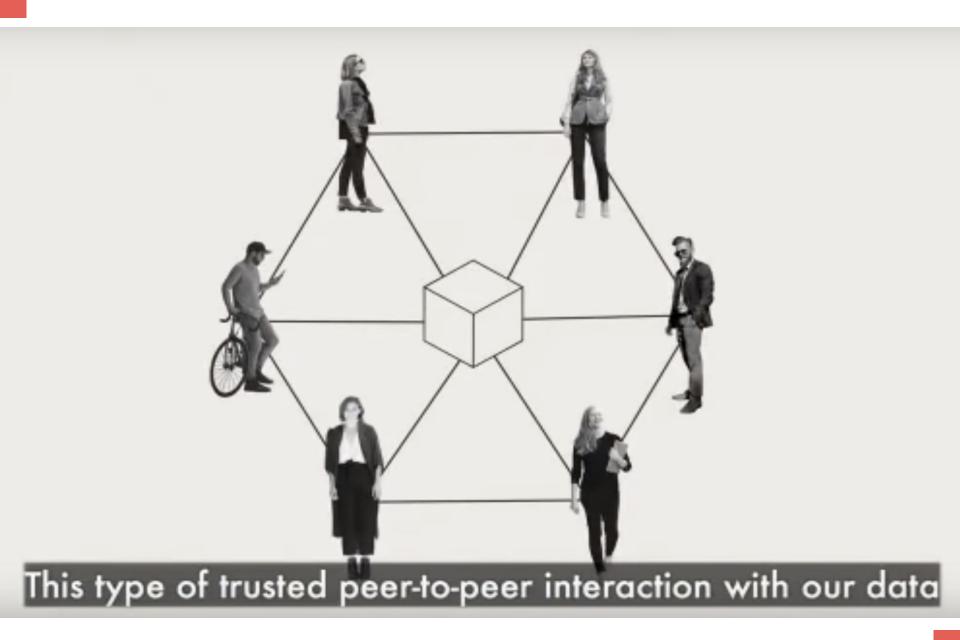


3. No more intermediaries





Blockchain creates a trusted P2P network



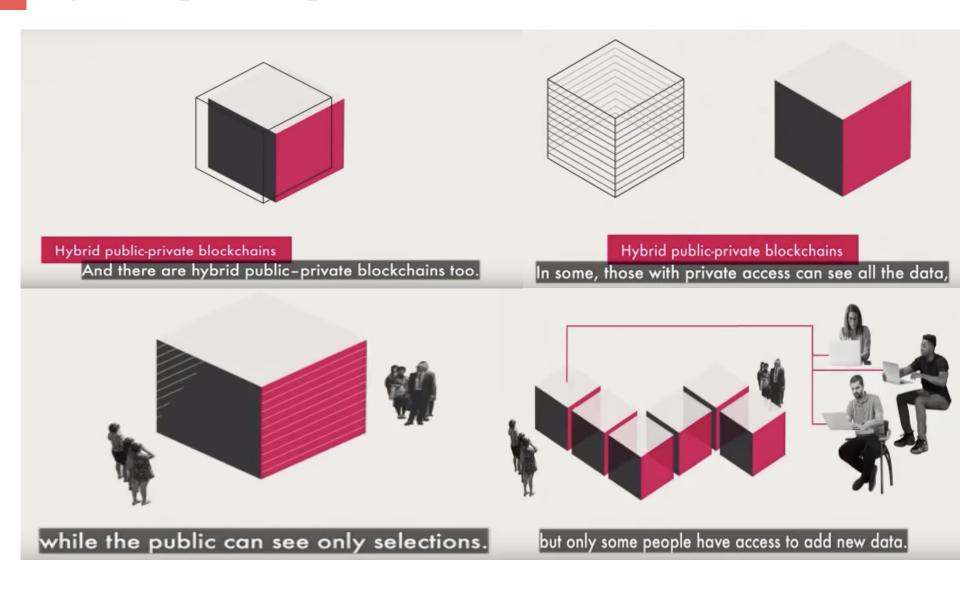
Type of Blockchain - Public Blockchain



Private Blockchain

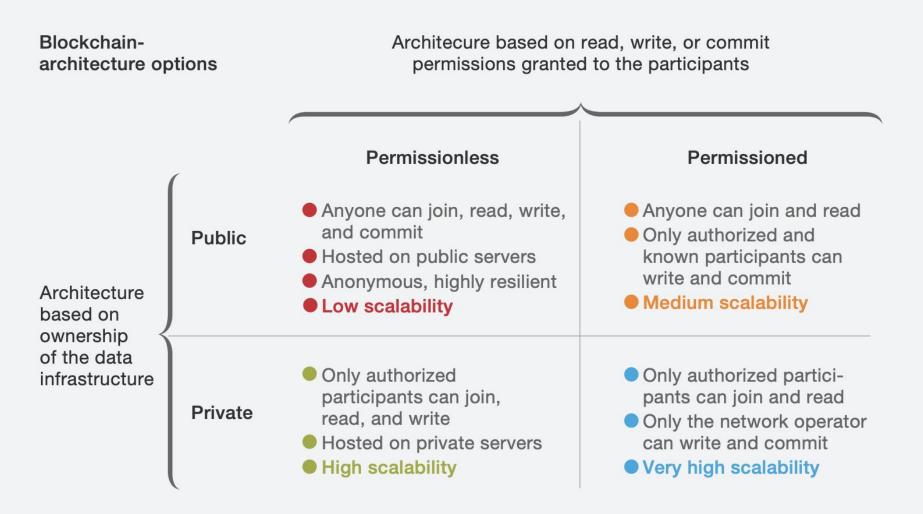


Hybrid public-private Blockchain

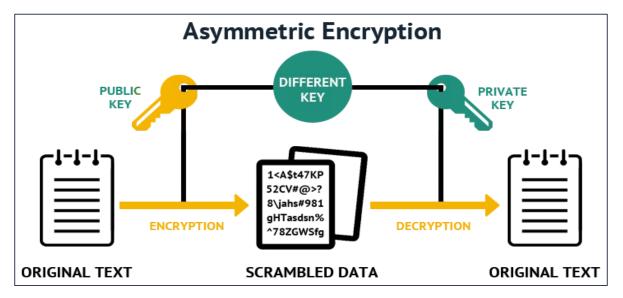


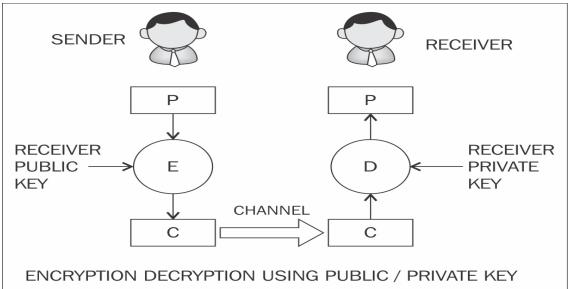
Blockchain architecture options

Most commercial blockchain will use private, permissioned architecture to optimize network openness and scalability.

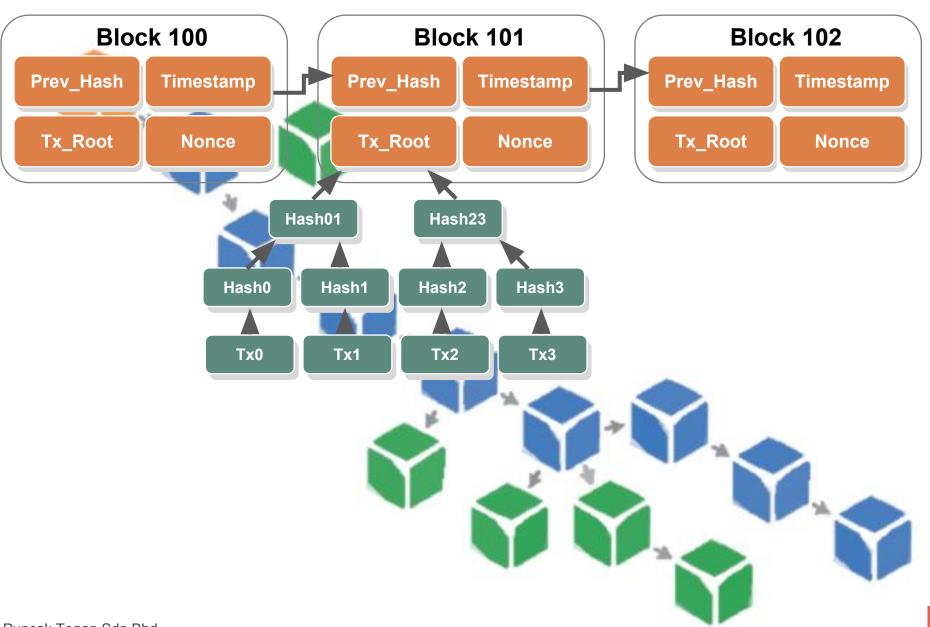


Underlying Technology - Cryptographic





Underlying Technology – Hash Functions

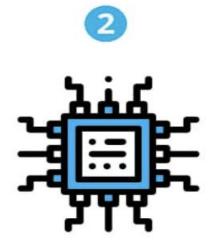


18

The technology that will replace lawyers



Smart Contracts are written as code and committed to the blockchain. The code and conditions in the contract are publicly available on the ledger.



When an event outlined in the contract is triggered, like an expiration date or an asset's target price is reached-- the code executes.

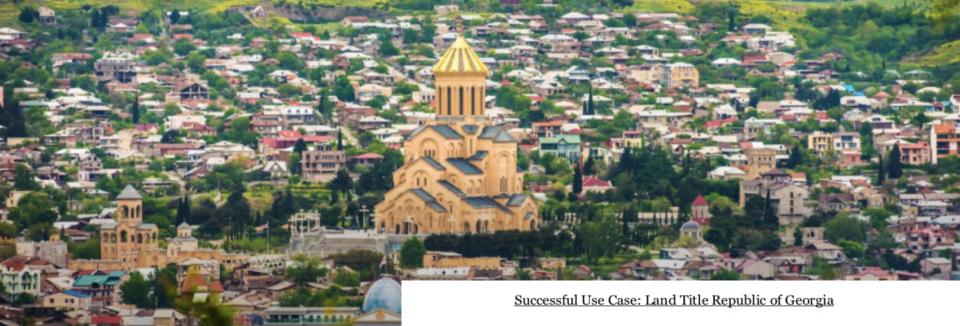


Regulators can watch contract activity on the blockchain to understand the market while still maintaining the privacy of individual actors.

Blockchain Land Registry - Sweden



Blockchain Land Registry – Republic of Georgia



Republic of Geor Blockchain Land

Blockchain Land Registry

Blockchain enabled the Republic of Georgia to provide its citizens with a digital certificate of their assets, supported with cryptographical proof published to the Bitcoin Blockchain.

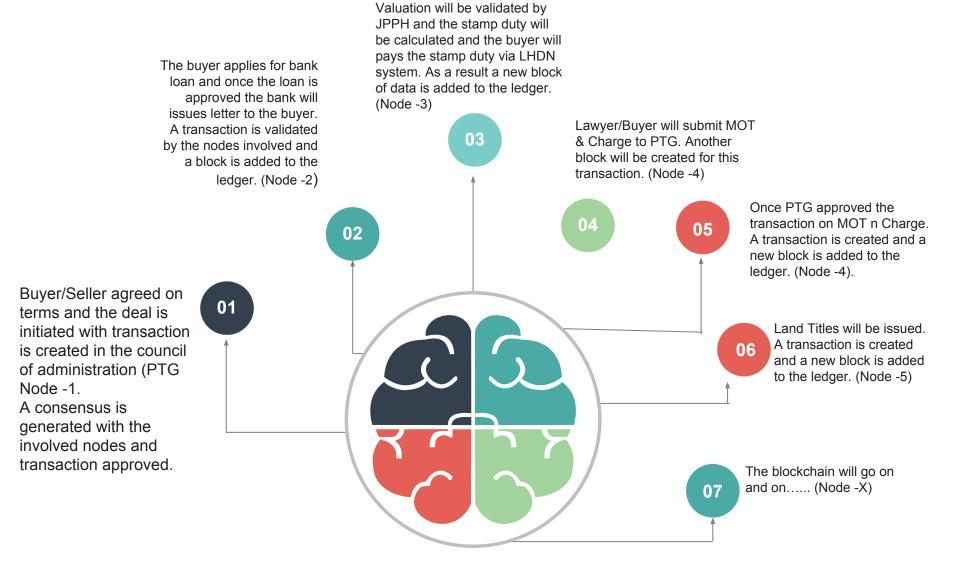


Blockchain Land Registry - eTanah



* Hybrid Public-Private Blockchain Architecture

Land records process in blockchain



Challenges in implementing blockchain













Being new technique, there are very few less proof of concepts available. This could be the first blockchain initiative in the government sector.



Lack of specialised expertise in blockchain development.



Its immutable nature make it hard to modify anything at later stage. This nature will create fear in the minds of the users and they tend to continue with the existing computer system.



Cost of set-up of massive network for the implementation of blockchain requires high initial costs. The establishment of a network with high bandwidth the maintain the nodes is a big task



There are no regulatory standards that govern application across jurisdiction. There are no regulations on how the blockchain transactions should be written and no standard interfacing between systems from different agencies.

