



Certified Blockchain Architect

Digital Assets and Multiple Parties

Do you want to work with Digital Assets?



- Assets are defined as representation of tangible or intangible entities in the world Blockchain,
- Small businesses suffer due to centralization.
- For example: you may register your ecommerce platform with amazon, but your competitors are also registered with the same. You won't get any advantage against them, moreover Amazon might charge extra fees over your products.
- With Blockchain you will be able to connect to customers, without depending upon the third parties like Amazon.
- Moreover you can streamline your payment process by creating assets for your shop, which will also reduce the cost.

Do you want a middle man?

- Middleman in today's terms is not only meant for human interaction but it also includes concrete software or entity dependencies.
- For Example: Banks, Cloud Storage, Paypal etc.
- Blockchain can now replace the central administrative system and make everything fair without trusting the middleman.
- Moreover, no one can alter the data over the Blockchain.
- If you require a single party control, then Blockchain might not be suitable for you.
- If you require Multiple Parties to assess the information and share assets, then you may use Blockchain for solving your needs.

Different types of Digital Assets

- In blockchain ecosystem there are several digital assets namely
 - Cryptocurrencies: Cryptocurrency is the most talked digital asset in the market today. A cryptocurrency is a form of digital currency that uses cryptography to secure information/
 - Crypto Commodities: A crypto commodity is a platform that allows creation of independent digital assets that can represent unique set of values. For eg: Ethereum
 - Utility tokens: A utility tokens are programmable blockchain assets that provides access to company's products and services, For Eg: RecordsKeeper Blockchain provides XRK tokens for its services.
 - Security tokens: Security tokens are the tokens that derive the value from an external source.
 - Hybrid tokens: These kind of tokens usually do not represent any traditional feature, and can either be used for investment or for buying product and services from that particular blockchain.
 - Real-world asset tokens: Real world asset tokens are a digital representation of a tangible real-world asset. For eg: Royal Mint Bullion, this blockchain stores gold in Royal mint vault.

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Crypto Commodities

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Utility tokens

A utility tokens are programmable blockchain assets that provides access to company's products and services. For Eg: RecordsKeeper Blockchain provides RIK tokens for its services.



Security tokens

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Hybrid tokens

These kind of tokens usually do not represent any traditional feature, and can either be used for investment or for buying product and services from that particular blockchain.



Real-world asset tokens

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Do you want a permanent Digital Asset?

A few decades ago digital assets were considered to be a paradox, and every business was set up with their own shop that had different strategies and mechanisms to sell their goods, but today those strategies are long gone and now we are leaning towards the technologies which are helping us to create an impact globally and with these technologies in the picture, digital assets are playing a vital role. But the real question here is do we really need digital assets?

- Digital assets can act as an omni presence for various use cases. For eg: Farmers now are not only making a presence but they are dominating the market with the organic products, and we can buy them of the internet without any hesitation.
- But the real problem here are the tech giants such as Amazon, Alibaba, Google, Ebay etc who are more dominant in this field. Small retailers use their platform to sell their products, but it totally depends on the tech giants which product they want to sell and the product can either be yours or of the competitors.

But if you want to eradicate all these things then digital assets on blockchain is your solution.,!!

Digital Assets: Pricing Considerations

Using Digital assets have several advantages and disadvantages, but there are various reasons that should be kept in mind such as

- Supply and Demand: Demand and Supply for the digital asset fuels the pricing
- Special Utility: Special activities on the network is another key point that would affect the digital asset price.
- Circulation: Circulating the digital asset over the network can also affect the price.
- Staking: A possibility of earning tokens by staking can make a huge impact
- Mining: How much digital assets can be mined can influence the price.
- New Generation Tokens: New generation of token can also boost the price.
- Burning Rates: In Blockchain ecosystem, a digital asset can be burned after a time, and this can be a key point to affect the price.

Digital Assets: Pricing Considerations



Do you need a shared database?

Till now if you have understood the challenge of using the blockchain as a solution and to get more insight let's understand about the shared database.

In Blockchain there is one common ledger which is shared amongst the every peer and each peer mirrors the ledger in it's database, this is how the blockchain works.

There is no private database for your business. A sudden thought might arise in your mind 'Is blockchain a solution for my business or can I use another traditional database to get my things up and running'.

Well, blockchain is a database but it's not like the ones where everyone uses to store data. To understand better let's distinguish between shared database and traditional database

Shared Database vs Traditional Database

No one has the central authority.		Selected groups of individuals have authoritative control.	
Modifying data or asset is nearly impossible.		Data or assets can be easily changed.	
All the data or activity is out in the open for everyone to see.		All the data or transactions are hidden from each other.	
Cuts down the excessive costing.		Implementing process is costly.	
Blockchains are slow.		Databases are comparatively faster.	
Suited for an organization where users don't trust each other.		Suited for an organization where there is mutual trust.	

Data Integrity



Data integrity is one of the important feature of Blockchain Technology.

Modifying the data or asset is nearly impossible in the blockchain ecosystem , but they can be easily changed in databases. Blockchain also has a more significant deal of transparency as everything is right is shared with everyone and each peer in the network maintains a copy in their systems.

But in case of typical databases the information is not shared with everyone, hence if there is no backup of the data and if the data is deleted, the data would be lost forever

Data Write Access

In blockchain you will get only one write access for a single block. After adding the information the peer can't change or alter any of the information in any way, but the peer can make the altered transaction on top of the older transaction which needs to be edited.

But in a typical database clients have complete access that is he/she can read, write, alter, and delete anyway they want.

Data Costing



Blockchain is comparatively cheaper than traditional databases and is much more secure than the other databases.

Traditional databases can cost a ton of money to maintain and secure the data, and in case of blockchain all these features and facilities are lot cheaper.

Are you working with Multiple Parties?

Working with different parties in a business requires a lot of understanding and mutual trusts. Even if you have trust on each other, there could be different ways your agreement or contract may end. Maybe you guys don't have the same marketing strategy, or perhaps a team is way more dominating than others. In that case blockchain will act as a good resource because blockchain supports the feature of smart contract and you can define the certain rules and regulations at the beginning which will automatically be implemented, and if not implemented then the contract may void.



THANK YOU!

Any questions?
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