ProcessLab

Impact of Blockchain Tokenization in Financial Services



The Rise of Cryptos – Volatility and Value



\$60,000+ Per Bitcoin



\$3000+ USD Per ETH



More than 6,500 cryptocurrencies exist today !!!

The global volume of all stable coins is now \$77+ Billion*



Notwithstanding volatility, value growth, opportunity



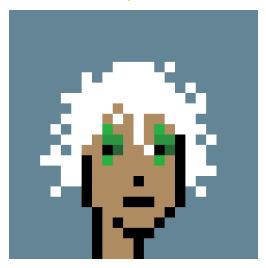
But there are Non-crypto Transactions as well

SOLD FOR \$69.3 MILLION



Mike Beeple's Everydays: The First 5000 Days

SOLD FOR \$532.4 MILLION



CryptoPunk:#9998

SOLD FOR \$5.23 MILLION



Save Thousands of Lives

Now imagine the largest Art sale in History



SALVATOR MUNDI - LEONARDO DA VINCI \$450 MILLION

Examples in Non-Digitized World – Real Estate

INX LIST \$329 MILLION TOKEN IN REAL ESTATE

RED SWAN TOKENIZED OVER \$2.2 BILLION IN REAL ESTATE ASSETS

Red Swan, together with Polymath issued tokens for mid-rise and high-rise apartments

GERMAN STARTUP FUNDAMENTAL
GROUP CREATED REAL ESTATE
TOKENS FOR 280 MILLION



New Processing investment classes



Examples in Financial World

Key Developments

39/100 top banks pioneering tokens and blockchain

83 countries are testing CBDC

Decentralised blockchain gaining momentum

BANKING

- Deutsche Bank. Dbond, Tokenised Bond
- CommerzBank. Machine-to-machine payments on BC
- UBS. We.trade,BC based trade finance platform
- CS. Paxos settlement service. US equities.
 Ethereum



- Beenest. Decentralised home sharing. Bee token.
 Damage insurance
- FidentiaX. Marketplace tradeable insurance. Cash out, second hand
- B3I. Blockchain Insurance Industry initiative. DLT. Reinsurance
- Dynamis. P2P insurance on Ethereum BC.
 Unemployment insurance
- **Lemonade.** Renters/homeowners. Smart contracts. Verify losses & 3s payment

INSURANCE

Key Developments

- Register High value items/warranty
- Evaluating KYC/AML Procedures
- Parametric Index propositions
- Reinsurance/Claim process on Blockchain
- P2P models



WHAT ARE THEY CALLED?

Tokens – Fungible or Non-Fungible (NFT)

Fungible Tokens

Fungible is something that can be replaced with something else of the same value.





Non-Fungible Tokens (NFT)



Non-Fungible is something unique, one-of-a-kind, no two are similar

SOLD FOR \$532.4 MILLION



CryptoPunk:#9998



WHAT IS RUNNING UNDERNEATH THESE TOKENS?

Blockchain

A distributed cryptographic ledger technology



Distributed

Transactions are 'shared' between participants, computations are distributed across participating nodes on the network

Common Ledger

No central 'point of control'. Decision making (ex. acceptance of 'valid' transactions) is through a 'Consensus' mechanism between participating nodes. Each node has their own copy of records through replication

Secure

Transaction records are cryptographically secured

Forward Looking and Immutable

Blocks of transactions added to Blockchain in a chronological (timestamped) sequence. Retrospective editing to 'accepted' transactions practically impossible

Permissioned v/s Public

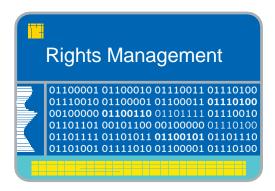
Different implementations with varying degree of access control – Public (everybody sees everything) to Permissioned (offer access control mechanisms)

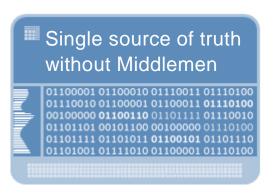
Smart Contracts

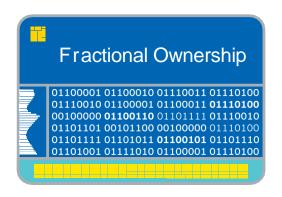
Different Blockchain implementations enable 'definition' and 'programmatic execution' of Smart Contracts between Parties on the Blockchain Network

UNDERSTANDING TOKENIZATION BENEFITS

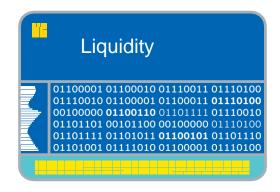
Tokenization Benefits

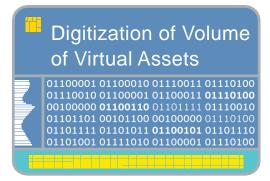












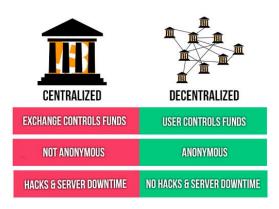
Finding opportunities to monetize on benefits



TOKENIZATION USE CASES IN FINANCE

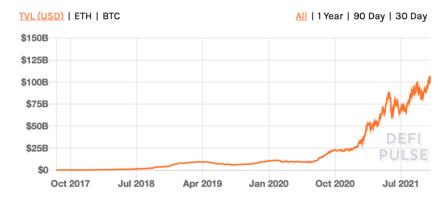
How Tokenization can Change Finance

Besides decentralised currencies, tokenisation has various other use cases that impacts the traditional world of finance



\$22,484,472,032 Loans outstanding

Total Value Locked (USD) in DeFi



Decentralized Exchanges

P2P lending & borrowing with crypto & NFT collateral

Asset management

Legal, Governance and Regulatory Considerations in Tokenization

 Regulation and taxation of cryptocurrencies is still crystallizing out worldwide

- Basel Committee capital allocation
- Central Bank Digital Currency
- Tax Income / Capital gains



Developing environment with balanced approaches: De-Central

HCL CASE STUDY ON TOKENIZATION

Art Tokenization for Ownership and Provenance

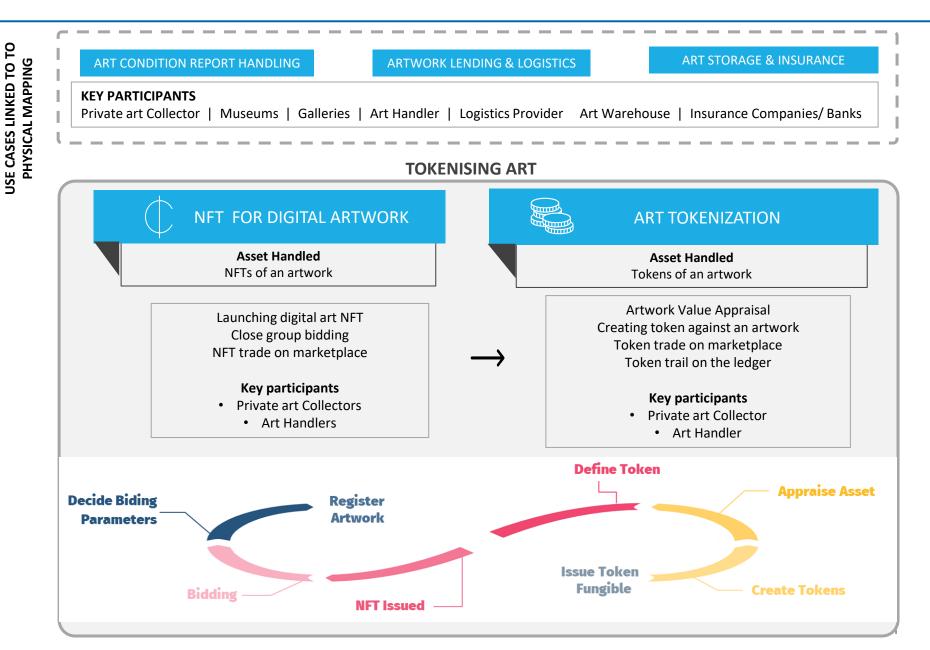
KEY OUTCOMES

- · Art NFT for provenance and ownership mapping
- Bidding for Art on art marketplace and NFT transfer
- Art NFT as investment asset

BASE USE CASE



Registration of Artwork Transfer of Custody Ownership provenance



18 | Technology for the Next Decade, Today.

HCL TOKENIZATION SOLUTION – OBOL

OBOL

Solution Thought Process



Simplified and fast tokenization journey

Enabling businesses to accelerate their Go-to-Market step via a business centric no-code tokenization framework



A leap towards digitalization

One step more from traditional to digital journey, providing customers the power of fractionalization and democratization via tokenization

Blockchain Based Solution



Centralized Systems

Aligned to current banking ecosystem

Gradual transition

- Corda Platform Privacy oriented Blockchain
- Aligned to current FS blockchain needs



Decentralized Systems



OBOL Framework



Obol tokenization solution provides the asset owners a framework to convert their asset into multiple tokens and trade those tokens to achieve liquidity



Supports NFTs and FTs

Designed for fungible and non fungible tokens



No Code Solution

User can tokenize their

assets without writing any

piece of code



Easily Customizable

Business can easily define digital asset attributes and customize as per their use case



Smart Validation Handling

Pick and choose contract validation from the list of pre-defined validation templates



Easy Integration

Can be easily integrated with other applications

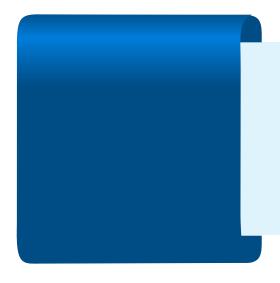


OBOL DEMO

OBOL DEMO

WHAT YOU WILL SEE

- Token definition
- Token creation
- Token issuance
- Token Transfer (FOP)
- Governance



Q&A





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\$10.82 BILLION | 187,000+ IDEAPRENEURS | 50 COUNTRIES