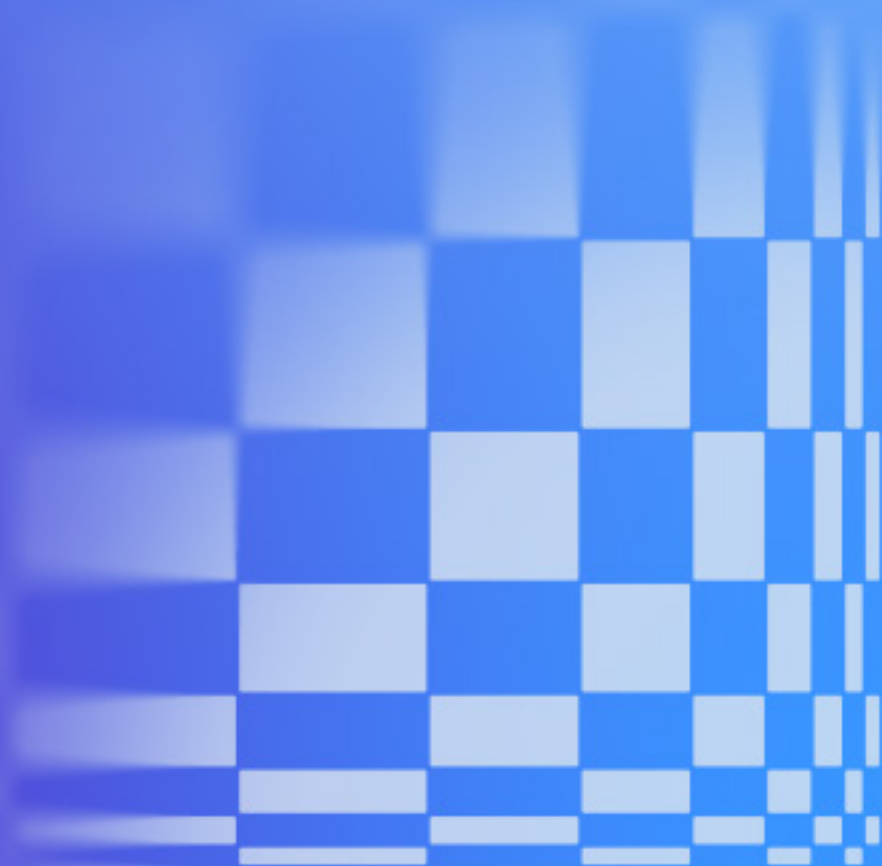


Begin your tokenization journey with No-Code asset tokenization



Introduction

Tokenization is the process of standardizing the representation and behavior of asset(s) digitally as a token. A token can represent an asset, a fraction of an asset or even a group of assets. A token can have associated smart contracts that define and control its behavior.

Blockchain relaunched the concept of tokenization as different types of tokens became certified and tradable assets. Now, this innovative form of wealth is being used for high-value assets, art, real estate, futures, commodities, stocks etc.

Blockchain tokens transform the rights of any valued asset into a digital token. So, owning a token is a digital representation of owning the asset, partially or fully, as determined by the token definition. These crypto tokens can take many forms and based upon their nature and intent of origin, they can be programmed with unique characteristics that expand their use cases.

The common applications of blockchain tokens are:

As Fungible tokens

Fungible tokens in different forms are implemented across the industry. For example-

- Fungible tokens provide a way to fractionalize a high-value, low-liquid asset and then own the asset even with a lower threshold value of investment. Key areas- real estate, high-value commodities etc.
- In payments and settlement of transactions among participants. For instance, asset-backed stablecoins are one such form widely adopted by leading banks
- Currency in metaverse economy
- Central Bank Digital Currency (CBDC) is also a key area where there is a lot of traction for the banking industry and regulatory bodies
- Loyalty-based tokens can be used to incentivize users to use a company's products

As Non-Fungible tokens

Non-Fungible Tokens (NFT) are more focused on ownership of unique, indivisible assets. For example-

- NFTs provide representation for multi-party ownership of indivisible unique assets such as artwork, music videos, merchandise etc. They are in the news for being traded at enormously high value in the market.
- Unique assets such as copyrights, patents and legal contracts are being NFT-fied by several industry innovators.

OBOL – Blockchain Tokenization Framework

Obol tokenization framework is a no-code solution designed with a focus on enterprises and business users.

It provides the asset owners with a framework to convert their asset into multiple tokens and trade those tokens to achieve liquidity. The blockchain-based solution offers greater connectivity/accessibility through transactional efficiencies offered by decentralized infrastructures.

It efficiently connects market participants with marketplace assets and enables direct transactions and exchange of ownership of the asset itself.

Solution Features

Obol enables quick tokenization of assets as fungible or non-fungible tokens (NFT). There are pre-defined templates to create tokens quickly. In case users feel a need for a new set of token attributes and definitions, they can create an entirely new template.

Obol takes care of the entire life cycle of the token, starting from token definition, token creation, its launch and trade at inbuilt marketplaces, token redemption and overarching governance.

HCLTech and AWS together deliver the OBOL solution using Amazon DynamoDB, AWS Key Management Service (KMS), Amazon Elastic Kubernetes Service (EKS) and Amazon Cognito.

Key features

- Supports FT and NFT- Reduce GTM time of customers for both FT and NFT products
- No Code Solution- Business users can tokenize the assets without writing any piece of code
- A vendor-neutral approach to identify best fit tool based on customer requirement
- Easily Customizable- Digital asset attributes associated with any financial instruments can be easily defined and customized
- Smart Validation Handling- Pick and choose contract validation from the list of pre-defined validation templates
- Built-In Marketplace-The in-built marketplace provides easy and seamless trading of the created tokens

Solution Benefits

The thought process behind the creation of Obol was to make the tokenization journey of our customers simple, business-friendly (no-code solution) and fast.

The user does not have to worry about smart contract creation, network setup etc. They just focus on token attribute and definition, the validations required etc. and create and launch their tokens in easy steps.

Obol also has an in-built marketplace which facilitates users to launch and trade their created tokens. Other benefits are:

- Business Friendly – No-code solution which is seamlessly scalable
- Easy Customizations- Can easily define digital asset attributes and customize according to use case
- Efficient Network Management- The network can be efficiently managed and operations can be monitored easily
- Easy Integration- Can be easily integrated with other systems
- Internal Marketplace- The built-in marketplace provides a managed way for users to launch and trade their tokens.

Success Stories

- Artwork tokenization, as fungible and non-fungible tokens (NFT) for a US-based art handling company.
- Issuance and redemption of bonds and coupons as tokens on blockchain in the primary market for a European financial services company.

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