

Why Choose AssetMantle?

AssetMantle envisions changing the landscape of NFT trading for the better.

With never-before-seen features, AssetMantle unleashes the true potential of NFTs for traders and creators alike.

Complete Customization

AssetMantle empowers creators to build their custom-branded NFT storefronts with zero coding. MantleBuilder is a no-code front-end NFT store builder that gives complete control to creators all the way from layout, branding, and royalty percentage.

Multi-Chain Access

AssetMantle allows users to use their NFTs across metaverses on different chains thanks to the interoperability facilitated by IBC protocol and interNFT standardization.

Negligible Minting Fees

AssetMantle uses Delegated Proof of Stake (DPoS) consensus mechanism and is a part of the larger Cosmos ecosystem. Thus users on AssetMantle enjoy very minimal gas fees on transactions.

Multiple Payment Modes

The Mantle team seeks to accelerate the mass adoption of blockchain by making web 3.0 accessible to all and even easier to build on for creators. As a result, AssetMantle will support payments using traditional CeFi banking methods and cryptocurrencies.

Salient Features of AssetMantle

Minting

Minting allows a verified creator to simply create/import their assets, work on them & convert them into tradable NFTs which can then be exported to the marketplace

Exchange (Bid, Buy, Sell)

- Using an order-book & signature-based matching
- Multiple asset types supported: Images, Audio, Video, AR/VR, 3D, etc.
- Completely decentralized Web3 based application with no involvement of off-chain or centralized databases
- Built on top of the native InterNFT Standards built by Persistence and the community.

Ledger Hardware Support

Ledger uses state-of-the-art technology to secure your assets and deliver a seamless experience to buy/sell crypto assets. With the recent hacks in wallet-based implementations, it is very important to secure the NFT assets.

AssetMantle now supports the Ledger hardware wallet to store all your NFTs securely and avoid phishing attacks into your wallets.

Build Your Very Own Storefront/Marketplace

MantleBuilder will allow creators to create their own storefronts or NFT marketplaces. This marketplace will further allow users to upload, publish, and sell their minted NFTs.

The storefront will use the underlying protocol level logic to govern the demand & pricing mechanism to control the NFT auction & transactions.

Additional benefits of this marketplace are that economic principles of supply and demand become automatically integrated into the system, allowing the community to determine the fair price of user-generated assets.

IPFS Storage Mechanism

- AssetMantle uses IPFS dedicated gateway to store the asset along with the associated metadata.
- AssetMantle verifies the assets using IPFS to prove the authenticity of the minted NFTs.

InterNFT Standard

AssetMantle uses interNFT standard for NFT minting. This empowers creators with the unparalleled flexibility of adding up to 22 unique attributes.

Unlike other NFT standards (like ERC-721) where the metadata is at the application level, interNFT standardizes the metadata at the protocol level. This allows the NFTs to be used across blockchains and metaverses within the Cosmos ecosystem without the need for PoS bridges.

The ownership of interNFT is maintained by the interNFT wallet. The combination of interNFT and interNFT wallet allows the ownership of the interNFT to be exchanged across interoperable chains while the execution logic of the NFT is still maintained at the native chain.

Multiple Independent NFT Modules

AssetMantle features several independent modules for NFT assets such as minting, mutation, and burn logic tool-stack on one hand and a wallet for asset storage and ownership transfer on the other hand. Each of these modules operates independently and can be deployed on different blockchains.

Singular Representation/Instantiation

NFTs belonging to a specific marketplace within assetMantle are represented/instantiated by the same, immutable hash across several chains.

Cross-Chain Interoperability

AssetMantle is being bootstrapped on the Cosmos interchain ecosystem, with the marketplace featuring interoperability functionalities that will enable artists and creators to mint on Cosmos and transfer their assets for trading on other IBC connected chains. This functionality will fill the gap of multi-chain composability in the NFT ecosystem.

Low Minting and Transfer Costs

AssetMantle makes a significant shift to the Tendermint Core consensus engine which uses the exponentially more efficient DPoS consensus mechanism instead of PoW. This significantly lowers the transaction costs eliminating the entry barriers, making the marketplace a level playground for creators and collectors.

Green Energy and PoS Infrastructure

The AssetMantle chain adopts the Proof-of-Stake (PoS) consensus for the validation of transactions, meaning that it consumes significantly less energy to process transactions, unlike the PoW consensus algorithm. Creators on AssetMantle mint 'greener' NFTs in comparison to NFTs on PoW chains.

Friendly UI/UX

AssetMantle boasts of a user-friendly interface, such that artists and creators can easily set up and customize their storefronts. Collectors will also be easily able to locate collections of their favorite creators from across chains.

AssetMantle web application also enables web 2.0 integration, doing away with the complexities of web 3.0 and providing a smooth on-ramp for newer NFT consumers and producers.

Support for Multiple Asset Types

Users can mint and trade a wide range of supported assets, including images, audio, video, AR/VR, 3D, etc.

Native Token

The Mantle token (MNTL) will empower users with voting rights to take part in decisions or updates that affect the marketplace.

Interchain NFTs with Native Implementation

AssetMantle is aimed at encouraging the mass adoption of cross-chain NFTs with native implementation. The NFT module is implemented at the native application logic level and not at the smart contract level.

Leveraging the chain's native interoperability protocol, artists and creators can easily transfer NFTs between chains rather than using permissioned smart contract bridges.

Wallet Agnosticism

The NFT wallet module on AssetMantle is wallet agnostic, such that one can own multiple NFT asset types in one wallet. This also means NFTs issued on multiple chains can be owned through one chain-agnostic wallet.

Customizable NFT Metadata

AssetMantle allows creators and developers to customize the metadata of their assets. Properties of NFTs can be mutated (with support for up to 22 metadata fields), shared, and submitted even after they have been minted and verified. An NFT Metadata can optionally be revealed on-chain. In general, it is hashed on-chain for privacy preservation.

Fast Finality

AssetMantle is built on Tendermint Core which supports higher throughput for NFT transactions. Tendermint Core uses the Delegated Proof-of-Stake (DPoS) consensus mechanism to create blocks and validate transactions.

Fractionalized Asset Ownership

AssetMantle supports fractional ownership of assets, whereby several parties have existing rights to a valuable NFT piece (could be an artwork, image, or a music piece) just like the shares of a public limited company. Ownership rights are calculated in percentage and can be sold among the parties involved. Royalties on secondary sales are also divided (for collaborating artists) among the fractional owners of an NFT with variable splits and to the extent of their ownership rights.

Singular Representation of NFTs

NFT Id is a hash of immutable content of NFT. The framework follows the DID standards, and hence no two NFTs can have the same immutable content & Id.

Reduced Load on Interchain Protocol

The two NFT modules (NFT interface and NFT wallet) are self-sufficient which reduces the load on the interchain protocol. The modules do not need to interact with each other to sync each transaction state. Only a few transactions require communication or interoperability between the two modules. These include interchain send and burn transactions.

Commoditization

The NFTs on the individual marketplaces on assetMantle are identified by class or classification. As such, transactions involving these NFTs are addressed by class rather than their owners' direct addresses. This enables NFT commoditization.

Trusted Minting, Mutation and Burn Execution and Interoperability with Private Chains

The minting, mutation, and burn logic is implemented natively on the issuing chain and is always handled by the same chain instead of handing over the mutation logic to the recipient chain on NFT transfer to a different chain. This allows for private and privately validated chains to also exchange their NFTs with other chains while ensuring the trust of the execution environment and logic privacy(if required).

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