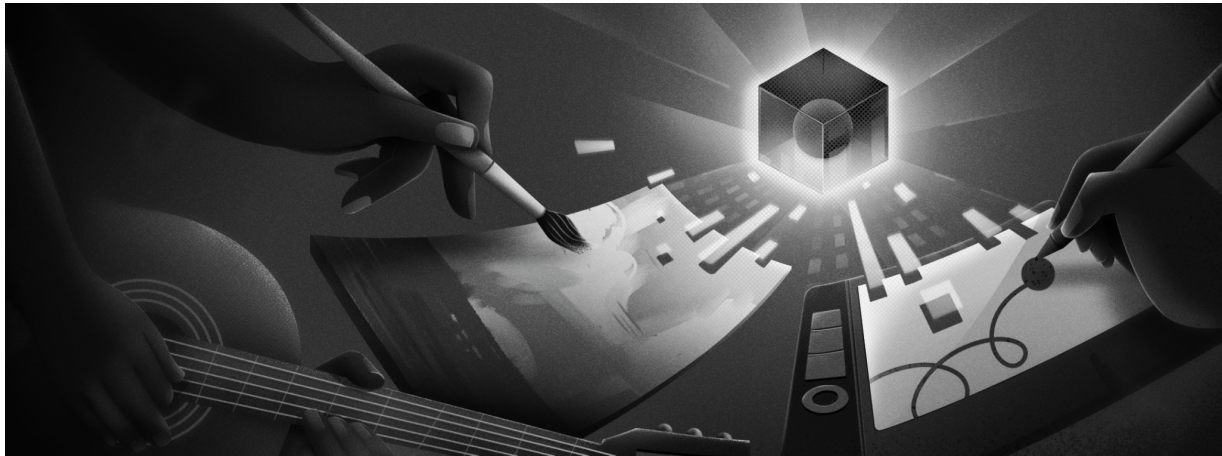


The Darkblock Protocol



The Darkblock protocol is a decentralized network that provides unlockable content for NFTs using encrypted content vaults. The nodes store and secure the private keys of the content creators, enabling them to control the distribution and monetization of their content.

The military-grade encrypted content vaults are only accessible to the original creator of the content. Once the creator encrypts their work into Darkblock, the content is stored on the censor-resistant blockchain storage protocol, Arweave. Decentralized and permanent, Arweave stores content forever, protecting it from being edited or deleted.

In order to access the encrypted content, the owner of the NFT must be verified. This is done through the signing of a session token using a cryptocurrency wallet, such as Metamask. Once signed, the request is sent to the Darkblock network where the node verifies ownership of the NFT, confirms access to the content, and performs the decryption.

For NFT collectors and buyers, access to the Darkblock is automatically transferred from the creator to the owner after the sale. No additional steps are necessary. Multiple pieces of unlockable content can be added to either a single NFT or multiple NFTs can be targeted by collection (contract) and individual traits.

Darkblock currently supports Ethereum, Solana, Tezos, Polygon and Avalanche NFTs. More chains will be added based on demand.

Integration with the protocol is made easy by using the Darkblock API and Darkblock Viewer. The API makes it very simple to create unlockable content with a simple REST request. The Darkblock Viewer is a javascript embed that enables any website to provide the capability to unlock Darkblock protected content. It is available as an NPM package or simple embed html tag, can be customized to the look and feel of implementing partners, and is mobile friendly.

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