

S L E N S O C I A L



DECENTRALIZED SOCIAL NETWORK WHITEPAPER

Every post an NFT. Every memory has meaning.

Not everything we share needs to be sold.
Some things are simply worth remembering.

Every moment holds a story worth remembering.

SlenSocial / SLEN Protocol

VERSION 2.0 | 25 OCTOBER 2026

SlenSocial — Whitepaper 2.0

VERSION 2.0 • 25 OCT 2026 • SLENSOCIAL / SLEN PROTOCOL

Not everything we share needs to be sold. Some things are simply worth remembering.

Every moment holds a story worth remembering.

Project snapshot

Network	Ethereum Mainnet (chain ID 1)
Publishing	Every formal post = ERC-721 NFT
Active NFT	SocialNFT V2 / 0x56Bb...f6C4
Media	Arweave through Irys
Mint maintenance	US\$0.02 equivalent ETH / post
Marketplace	SlenMarket V2 — public interface read only
Official website	tommyslen.com

Publication basis: application source and dated project documentation reviewed 25 Oct 2026; not an independent audit. Financial write operations in the current public SlenMarket are not verified live.

CONTENTS

Executive summary

01 Why SlenSocial exists

02 Six principles for the long term

03 The architecture: where each responsibility belongs

04 A post becomes an NFT

05 SocialNFT V2: a deliberate fresh start

06 The transparent NFT maintenance fee

07 The real cost of publishing

08 Identity, profiles and social interaction

09 Reposts: share the original, not a copy

10 SlenMarket: optional exchange, cautious activation

11 Slen Pay, SLEN and creator support

12 Authorship, ownership and the right to delete

13 Security, privacy and honest limitations

14 Stewardship, continuity and responsible restraint

15 Contract directory and verification notes

16 Closing: memory is the point

Read this alongside current smart-contract code and official notices. The source and deployment sections are not a substitute for checking an actual on-chain transaction.

Executive summary

SlenSocial is an Ethereum-centered social application built around a simple decision: every formally published post is minted as an ERC-721 non-fungible token (NFT). The system is intended first for people who want to share their lives, music, photographs, stories and memories—not for a culture that treats every interaction as an investment opportunity.

This Version 2.0 describes the new SocialNFT V2 collection and fresh social identity space, user-funded Arweave/Irys storage, a transparent two-US-cent NFT maintenance fee paid in ETH, the SLEN payment ecosystem, and SlenMarket, a separately deployed V2 marketplace whose public trading interface is still read-only as of the reviewed source. It also describes limitations, security responsibilities, and long-term stewardship.

The Ethereum ledger records transactions, NFTs and selected social actions. Media and NFT metadata are stored through Arweave/Irys. Website interfaces, gateways, indexers and wallet connections remain operational dependencies. Source code and a deployment record provide evidence of design; they do not substitute for an independent security audit or a live on-chain inspection. This whitepaper is informational, not a promise of uninterrupted access or financial returns.

01 Why SlenSocial exists

Most social platforms are optimized for speed, reach and the next engagement trend. SlenSocial is designed around a different question: what happens to a meaningful post when the platform interface, owner or business model changes? The project aims to give creative work an inspectable digital history while preserving the familiar joy of reading, commenting, sharing and following.

A photograph of an ordinary afternoon, a new song, a journal entry or a family memory does not need a sale price to matter. SlenSocial uses NFTs as its publication and provenance mechanism. Users may hold them without listing them for sale. Economic functionality is available only where deliberately enabled; it is never the condition for having a social life.

Every moment holds a story worth remembering. This is not a claim that a blockchain remembers the full human meaning of a moment. It is an invitation to design technical systems that respect the stories people choose to record.

02 Six principles for the long term

- 1 | Stable scope. Once the existing product is reliable, engineering effort should prioritize security patches, bug fixes, compatibility and accessibility—not an endless feature race.
- 2 | Social first. Sharing everyday life and original creativity comes before selling or speculating on NFTs. Minting is mandatory for formal posts; trading is optional.
- 3 | Uploader-funded storage. The person who publishes pays the one-time quoted Arweave/Irys storage cost, rather than relying on uncapped project subsidies.
- 4 | Sustainable operations. The project must account for domain renewal, Cloudflare, RPC, indexing, monitoring and support. Costs can grow with usage; no perpetual website uptime is guaranteed.

5 | Stewardship and handover. Documented contracts, code, deployment steps and recovery procedures should make responsible continuity by another maintainer possible, where authorizations and resources permit.

6 | Security before novelty. Immutable contracts cannot be silently patched. Necessary repairs and successor deployments require review, informed user decisions and clear version separation.

03 The architecture: where each responsibility belongs

Ethereum Mainnet is the settlement and social-NFT layer. The active product targets SocialNFT V2, which carries ERC-721 ownership, author association, core social records and NFT publishing logic. Transactions require compatible wallets and ETH for network gas.

Arweave, accessed through Irys, is the media and metadata layer. Images, videos and JSON descriptors are uploaded separately and referenced by ar:// identifiers. It is not accurate to say that every video byte is stored directly on Ethereum.

SlenSocial's application and service layer includes the web experience, profile presentation, feeds, search, repost indexing, wallet connection, RPC reads and content gateways. Some capabilities remain dependent on Cloudflare-hosted pages or other operators even when underlying blockchain records are public.

SLEN is a distinct Ethereum ERC-20 token with a LUSD-backed mint/redeem design. The NFT contract, marketplace and SLEN stablecoin have different contract addresses and risk boundaries. They should not be described as a single contract or a single pooled reserve.

04 A post becomes an NFT

The publishing journey is: connect an Ethereum wallet; create a V2 profile; compose text and select images or video; review storage quote and wallet balances; fund Irys where necessary; upload media and metadata; obtain successful upload receipts; review the ETH maintenance-fee quote and gas estimate; approve the payable SocialNFT V2 createPost transaction; wait for successful on-chain confirmation; then display the NFT post.

A text-only publication still needs metadata and an Ethereum mint. Drafts, previews, wallet prompts and failed transactions are not published posts. Multi-image galleries reference each image in metadata, rather than silently retaining only the first photograph. The Shorts view presents video-based NFT posts, not a separate category that evades the minting rule.

Arweave upload and Ethereum NFT mint are not a single cross-network atomic transaction. An upload can succeed while a mint fails, leaving a paid storage object that should be recoverable without unnecessarily uploading everything again. Users should verify the receiving contract and final wallet request before signing.

05 SocialNFT V2: a deliberate fresh start

The active SocialNFT V2 address is 0x56Bb80ff9743868e42EAFcA659031b8208c4f6C4 on Ethereum Mainnet (chain ID 1), according to the October 24 project cutover documentation and current application target. V2 is a separate ERC-721 deployment, not an upgrade of the older NFT contract.

V2 starts a new namespace of profiles, usernames, followers, post identifiers, likes and NFTs. Legacy items do not automatically appear or convert into V2 posts, and matching numeric token IDs across different collections do not represent the same asset. Identity must always include chain, contract address and token ID.

The project has chosen a V2-only application experience. Historical contracts and their records cannot be deleted from Ethereum merely by removing their buttons from the website. Owners of old tokens or escrow positions may still need direct contract-level access. The whitepaper recognizes the historical existence of those records without presenting them as active SlenSocial V2 content.

06 The transparent NFT maintenance fee

The SocialNFT V2 source defines a maintenance charge of US\$0.02 per successful post mint, payable in ETH. The on-chain amount is calculated from a Chainlink ETH/USD oracle, rounded up to whole wei. This is a dollar-denominated rule, not a fixed ETH amount; the ETH required may change with the market price.

The contract validates the oracle round and rejects stale, invalid or future-dated data; the reviewed source uses a 3,600-second freshness limit. Minting rechecks the quote at execution and respects the user's maxFeeWei ceiling. The required ETH is forwarded to the designated maintenance recipient and an on-chain MaintenanceFeePaid event is emitted. A successful receipt and actual transfer—not a label in the interface—are the evidence of payment.

The maintenance recipient can be changed only by the contract's designated controller, intended as a multisignature Safe. This is a narrow administrative capability, not a power to upgrade NFT code, seize users' tokens or rewrite history. It would be inaccurate to claim that absolutely no privileged action exists. The controller and recipient should be independently verified against the deployed contract.

Category	Amount	What it covers
Irys / Arweave	Quoted by bytes; user-funded	Media + JSON stored before mint
NFT maintenance	US\$0.02 in ETH	Chainlink quote; contract transfers to recipient
Ethereum gas	Variable ETH	Network cost even for some failed transactions

07 The real cost of publishing

A publishing action may involve three independent categories: (A) an Arweave/Irys quote for media and metadata; (B) the US\$0.02-equivalent ETH maintenance fee enforced by SocialNFT V2; and (C) Ethereum network gas, which varies with network conditions. Wallet approvals or optional related actions can add separate charges.

Storage cost varies with bytes and service quotes; it should not be advertised as a fixed USD fee. Gas is paid to the Ethereum network and is not the project's maintenance revenue. An unsuccessful chain transaction can still consume gas, and a prior confirmed upload can still incur its storage charge.

The project favors itemized, before-signature disclosure and prohibits suggesting that an NFT publication is 'free' simply because the app has no subscription charge. Publishing is a conscious action with economic and permanence consequences.

08 Identity, profiles and social interaction

The Ethereum wallet address is the account anchor. A user may create a V2 profile, choose a username, follow others, publish, like and comment through functions represented in the V2 source. Wallet-based sign-in reduces reliance on a platform-held password, but neither guarantees anonymity nor eliminates wallet phishing, key loss or mistaken transactions.

The reviewed contract source normalizes permitted usernames and provides possible reclamation after 730 days without qualifying on-chain activity. A handle therefore should not be promoted as unconditional lifelong ownership. Social graph data and public transaction history can reveal relationships and behavior.

The product includes multiple-image viewing, creator profiles and content navigation. Profile pinning and repost-related presentation use application and indexing services; their availability and portability are not identical to Ethereum's base-layer consensus. The official app's presentation is not itself a perpetual public utility.

09 Reposts: share the original, not a copy

A repost points to the original NFT, preserving its original author, contract identity, token ID and owner. It is not a second NFT mint and does not create a new license in the underlying photograph, music or text. This deliberate restraint keeps the social context intact while allowing discoverability.

The reviewed repost implementation asks for a wallet-signed action and writes a compact signed record through Irys/Arweave, with an uploader-paid storage quote where required. An undo action adds an explicit signed record rather than rewriting the original blockchain history. Indexing can lag, so visibility may not be immediate.

A signed repost is not equivalent to an ERC-721 transfer, purchase or new authorship declaration. Users should inspect the original post and respect its legal and personal context before sharing.

10 SlenMarket: optional exchange, cautious activation

SlenMarket is the brand for the V2-only NFT market. Current source points to the separately deployed Vaulted V2 marketplace at 0x06b4d481a6ac710be9ddde73c51dd71bf5c45ff6 and binds it to the V2 NFT and SLEN token. The design includes fixed-price listings, auctions, escrow or per-item vault pathways, claims, and refunds.

As documented in the October 24 production cutover, the public market interface remains READ ONLY: financial writes, approvals, bids, buys and settlements are deliberately disabled until separate live mainnet transaction verification and release authorization. Contract deployment or source verification is not equivalent to an audited, successfully exercised trading system.

Market protocol fee logic is described by the project as 0.30% in addition to transaction consideration, but participants must confirm the live contract's calculations and SLEN's own sender-side transfer behavior before real trading is enabled. No user should interpret displayed listings as guaranteed liquidity, profit, ownership of copyrights or safe exit from escrow.

11 Slen Pay, SLEN and creator support

Slen Pay is the wallet-oriented entry point for checking balances, connecting external wallets and interacting with supported assets. The separate SLEN interface connects users to the stablecoin's LUSD-reserve-based mint and redemption functions. Ethereum gas and any token or protocol charges remain distinct from the NFT maintenance fee.

The reviewed SocialNFT V2 source includes a SLEN tip function with an additional 0.30% protocol charge; importantly, the designated recipient is the current NFT owner, not necessarily the author who originally wrote or uploaded the post. A transfer into a marketplace vault can introduce different beneficiary and claim mechanics; users should not assume all tips automatically reach the original artist.

SLEN is not a promise of guaranteed USD market value, unlimited liquidity, interest, profit or insurance. Its collateral and redemption assumptions depend on LUSD and the actual deployed token code. The social experience should not be conditional on trading SLEN or participating in NFT speculation.

12 Authorship, ownership and the right to delete

The original author, the current NFT owner and the copyright holder may be different persons. Buying a token usually transfers that ERC-721 token, not the copyright, exclusive commercial rights, permission to reuse a person's likeness, or ownership of an underlying musical recording. Separate written licenses are required where relevant.

In the inspected SocialNFT V2 source, only the original author may remove a post from the social feed. If the author still owns the NFT, the deletion operation may burn it; if it has been transferred, the buyer retains the NFT while the social post is marked deleted. Arweave bytes may remain reachable despite removal from the official interface.

Accordingly, neither 'I bought the NFT' nor 'the post was deleted' alone describes all rights or all copies of the work. These distinctions protect buyers, creators and users who may appear in persistent media.

13 Security, privacy and honest limitations

Risks include smart-contract defects; compromised wallets and signing prompts; malicious token approvals; oracle failures; changing ETH and SLEN market conditions; failures of Arweave gateways, Irys, RPCs or indexers; unauthorized content distribution; copyright and privacy conflicts; domain or hosting outages; and jurisdiction-specific legal obligations.

Immutability limits arbitrary changes but also removes an easy path to fix critical defects. The reviewed source includes specific non-upgradeability and narrow controller assumptions; each deployed component must be examined separately. This paper has not independently matched all source versions to mainnet bytecode, audited code or witnessed end-to-end marketplace settlement.

An immutable NFT does not imply immutable search results, a permanent user interface, privacy, uncensorable availability of every gateway, or a promise that another organization will maintain access indefinitely. Users should back up records, independently inspect transaction destinations and never disclose recovery phrases.

14 Stewardship, continuity and responsible restraint

SlenSocial's long-term position is to complete its intended feature set, then direct effort to maintaining existing behavior rather than constantly introducing new product categories. Security reviews, user-support documentation, wallet compatibility, incident response, dependencies, backups and accessible interfaces are legitimate forms of improvement consistent with this restraint.

The official service depends on tommyslen.com, Cloudflare, Ethereum RPC services, indexers, gateways, ongoing operational funds and domain stewardship. Costs may grow with traffic. The project intends to track them transparently and make appropriate maintenance decisions without claiming a funded perpetual endowment.

Readable code, published contract references, documented deployment decisions and operator runbooks may enable an authorized successor to continue the web interface. The network's historical records can survive a particular website, but a future maintainer must still secure infrastructure, legal permissions, access credentials and community trust.

15 Contract directory and verification notes

Ethereum Mainnet, chain ID 1. Active SocialNFT V2: 0x56Bb80ff9743868e42EAFcA659031b8208c4f6C4. Current V2 SlenMarket (read-only UI): 0x06b4d481a6ac710be9ddde73c51dd71bf5c45ff6. SLEN ERC-20: 0x78c8bF385224162Fac7cc8545333Fa1DEa4999c9. Reference LUSD asset: 0x5f98805A4E8be255a32880FDeC7F6728C6568bA0.

The October 24 cutover document identifies 0x1e0830677dF5a13fDf30ada040d65432A7d8ad07 as the V2 maintenance-fee Safe/controller and 0x9777Ec23d0AC3EbBC521616B46045F48BBaD282C as the V2 marketplace fee recipient. Verify these roles through contract getters and original deployment transactions; no assertion of independent live attestation is made here.

Earlier repository documents and machine-readable deployment manifests may still contain outdated pre-deployment states. This whitepaper prefers the newer cutover record and active source target but explicitly flags that documentary consistency requires maintenance. Readers should verify current code, on-chain state and notices before acting.

16 Closing: memory is the point

SlenSocial is not built on the idea that human expression must become inventory. Every successful post mint creates a verifiable token, yet the stories attached to those tokens may have no price—and no need for one.

Not everything we share needs to be sold. Some things are simply worth remembering. Every moment holds a story worth remembering.

This is the promise of the product's direction, not a guarantee that infrastructure never fails: protect creative provenance, keep the social experience recognizable, disclose financial and technical limits, and build a network worth maintaining.

Sources and verification links

Official SlenSocial site / <https://tommyslen.com>

Public application repository / <https://github.com/TommySlen/slensocial>

V2 cutover / 24 Oct 2026 / <https://github.com/TommySlen/slensocial/blob/main/docs/slenmarket-v2-production-cutover-2026-10-24.md>

SocialNFT V2 source / <https://github.com/TommySlen/slensocial/blob/main/contracts/SocialNFTV2.sol>

V2 NFT Etherscan / <https://etherscan.io/address/0x56Bb80ff9743868e42EAFcA659031b8208c4f6C4>

V2 SlenMarket Etherscan / <https://etherscan.io/address/0x06b4d481a6ac710be9ddde73c51dd71bf5c45ff6>

SLEN ERC-20 Etherscan /

<https://etherscan.io/address/0x78c8bF385224162Fac7cc8545333Fa1DEa4999c9>

Arweave / <https://arweave.org>

Irys Docs / <https://docs.irys.xyz>

Document status | Whitepaper Version 2.0 / 25 October 2026. Supersedes the 19 October 2026 V1.1 text. Publicly verifiable source pointers are provided for transparency. This paper is not an audit, token prospectus, guarantee, or legal/financial advice.