

PLISM Whitepaper

Powering Decentralized Arts & Commerce Through the PLSM Token

Abstract

PLISM is a decentralized marketplace ecosystem designed to enable secure, transparent, and efficient digital commerce. At the core of the PLISM ecosystem lies **PLSM**, an ERC-20 utility token engineered to facilitate transactions, incentivize participation, and enable governance-ready infrastructure within the PLISM marketplace.

PLSM is implemented using audited OpenZeppelin upgradeable standards, ensuring long-term flexibility, security, and maintainability. This document outlines the vision of PLISM, the role of the PLSM token, its technical architecture, and its token distribution and vesting mechanics.

1. Introduction

Decentralized marketplaces are redefining how digital goods and services are exchanged by removing intermediaries, reducing costs, and improving transparency. However, many existing solutions lack scalability, security controls, or sustainable token utility.

PLISM addresses these challenges by introducing a marketplace platform supported by a purpose-built utility token **PLSM** designed to:

- Enable seamless transactions within the ecosystem
 - Incentivize users, creators, and marketplace participants
 - Support long-term ecosystem sustainability
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2. PLISM Ecosystem Overview

The PLISM ecosystem consists of:

- **PLISM Marketplace**
A decentralized marketplace for digital assets, services, and platform-native utilities.
 - **PLSM Utility Token**
The primary medium of exchange and value transfer within PLISM.
 - **Smart Contract Infrastructure**
Built using upgradeable Ethereum-compatible smart contracts to ensure security and adaptability.
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3. PLSM Token Overview

Attribute	Description
Token Name	PLSMCoin
Symbol	PLSM
Standard	ERC-20 (Upgradeable)
Network	EVM-compatible
Minting	Controlled by owner (protocol governance)
Burnable	Yes
Pausable	Yes
Upgradeable	Yes (UUPS Proxy Pattern)

PLSM is strictly designed as a **utility token** and is intended for use within the PLISM ecosystem.

4. Utility of PLSM Token

PLSM serves multiple core utilities within PLISM:

4.1 Marketplace Transactions

- Used as the primary payment method for buying and selling assets or services.
- Enables fast, transparent, and trust-minimized transactions.

4.2 Platform Incentives

- Rewards users for participation, engagement, and ecosystem contributions.
- Enables incentive programs for early adopters and active marketplace participants.

4.3 Token Burning Mechanism

- A portion of PLSM used in platform activities may be burned to support long-term supply optimization.
- Burning is optional and controlled via smart contract logic.

4.4 Future Governance Readiness

- The token architecture allows future governance features (e.g., voting or staking) to be added through upgrades.
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5. Token Distribution & Vesting

5.1 ICO Token Locking Mechanism

To promote long-term stability and prevent sudden token supply shocks, tokens purchased during the **ICO phase** are subject to a **cliff-based vesting schedule**:

- **50% Released after 3 Months**
A cliff lock applies immediately after token purchase.
- **Remaining 50% Released after an additional 3 Months**
Tokens fully unlock after a total of **6 months**.

This vesting mechanism aligns participant incentives with the long-term success of the PLISM ecosystem.

6. Smart Contract Architecture

The PLSM token contract is built using **OpenZeppelin Upgradeable Contracts**, incorporating best-in-class security patterns.

6.1 Key Features

- **Upgradeable (UUPS Pattern)**
Enables future improvements without redeploying or migrating balances.
 - **Pausable Transfers**
Allows emergency halting of token transfers if required.
 - **Burnable Tokens**
Supports controlled reduction of circulating supply.
 - **Owner-Controlled Minting**
Minting is restricted to the contract owner, enabling responsible supply management.
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7. Security & Reliability

Security is a foundational principle of PLISM:

- Uses **OpenZeppelin audited libraries**
- Follows **least-privilege access control**
- Upgrade authorization restricted to the owner
- Emergency pause functionality included

All upgrades and changes are designed to be transparent and auditable.

8. Upgradeability & Future Development

The PLSM token contract uses the **UUPS upgradeable proxy model**, allowing:

- Feature expansion without disrupting users
 - Long-term adaptability to ecosystem growth
 - Integration of governance, staking, or marketplace modules in future releases
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9. Compliance & Disclaimer

PLSM is a **utility token** intended solely for use within the PLISM ecosystem.

This document does not constitute:

- Financial advice
- Investment solicitation
- A promise of future value

Users are responsible for understanding applicable laws and regulations in their jurisdiction.

10. Conclusion

PLISM and its native token PLSM are designed to support a secure, scalable, and utility-driven decentralized marketplace. With a strong technical foundation, responsible token vesting, and a focus on long-term ecosystem value, PLISM aims to deliver meaningful infrastructure for decentralized commerce.

Contact & Community

Official channels, documentation, and updates will be published through PLISM's official communication platforms.