Storage Coin Whitepaper

Storage Coin (STRG) Whitepaper

One-Time Purchase Web3 Storage Platform

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1. Overview

Storage Coin (STRG) is a utility token that enables capacity purchase, reward acquisition, and growth participation in the Web3 storage service "DIVER Storage."

Key Features

- One-time purchase capacity: A perpetual usage model breaking away from subscription-based systems
- Wallet authentication: Secure access management native to Web3
- Agent rewards: Graduated reward acquisition through referral activities
- Multi-layered utility: Staking, premium features, distributed participation
- DAO governance: Community-driven decision making

2. Vision and Mission

Vision
 "A Web3 storage ecosystem with sustainable utility and community-driven scalability"

Mission

1. Liberation from subscription dependency
2. Proper evaluation and rewards for user contributions
3. Building a distributed storage ecosystem
4. Achieving highly transparent DAO governance

5. Establishing true data sovereignty through Web3 technology

3. Platform Features

3.1 One-Time Purchase Storage

Basic Pricing Structure

Plan Name	Capacity	Features
Starter	2GB	Entry level, ideal for trial use
Basic	100GB	Basic plan for personal use
Standard	500GB	Most popular standard plan
Pro	2TB	Large capacity plan for professionals

*Note: The STRG price for each plan is determined based on market conditions and community governance. All plans are purchased in bulk and can be used indefinitely (99 years) with wallet authentication, which guarantees true ownership of your data.

3.2 Agent System

Tiered Reward Structure

Tier	Achievement Criteria	Reward System
Bronze	Entry-level activity	Basic reward rate
Silver	Intermediate-level activity	Enhanced reward rate + team rewards
Gold	Advanced-level activity	Maximum reward rate + various benefits

*Note: Specific achievement criteria and reward rates are adjusted according to the ecosystem's growth stage.

3.3 Premium Features

Service Category	Value Proposition
Developer Tools	API integration, automation features
Enhanced Support	Priority response, dedicated support
Security Enhancement	Advanced encryption, additional protection

Data Protection	Redundancy, multi-location storage

*Note: Details and pricing for each service are determined through negotiations with partner companies.
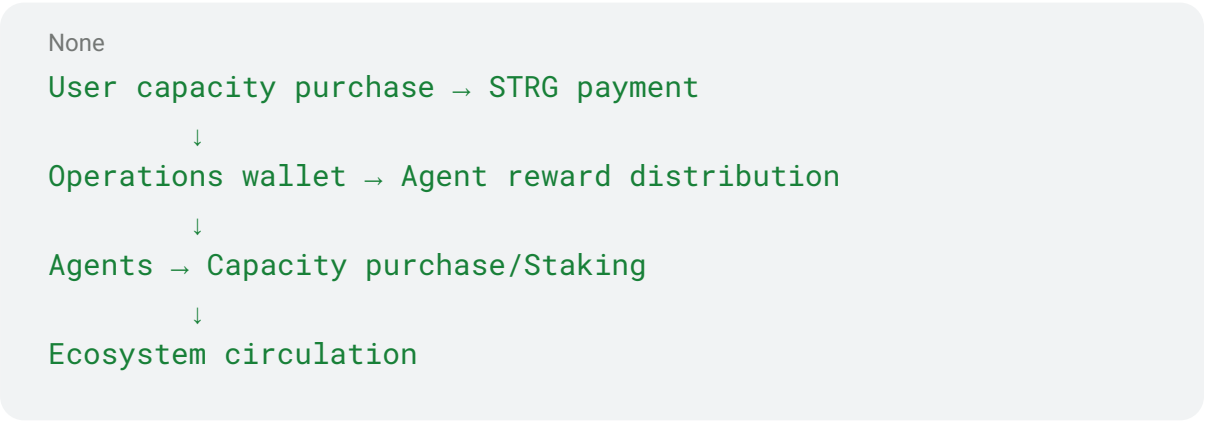
4. Token Economics

4.1 Token Overview

Item	Details
Token Name	Storage Coin (Storage Token)
Symbol	STRG
Total Supply	1,000,000 STRG
Blockchain	DIVER Chain
Standard	DRC-20

4.2 Distribution Plan

Purpose	Allocation	Amount	Details
Public Sale	40%	400,000	For initial participants
Development & Operations	30%	300,000	Continuous development support
Agent Rewards	20%	200,000	Referral activity incentives
Reserve	10%	100,000	For future initiatives

4.3 Circulation Model

```
None
User capacity purchase → STRG payment
        ↓
Operations wallet → Agent reward distribution
        ↓
Agents → Capacity purchase/Staking
        ↓
Ecosystem circulation
```

5. Utility Design

5.1 Phased Implementation

Phase 1 (Immediate Implementation)

- Storage capacity purchase
- Agent reward system
- Basic incentive program

Phase 2 (3-6 months)

- Staking functionality
- Premium services
- Enterprise features

Phase 3 (12+ months)

- Distributed storage provider
- Data economy participation
- AI learning rewards

5.2 Staking Benefits

Staking Level	Benefits
Standard	Basic discount privileges
Premium	Significant discounts and priority access

*Note: Specific staking conditions and discount rates are determined by DAO governance.

6. Incentive System

6.1 Initial Usage Promotion

- First purchase bonus: STRG rewards based on purchase amount
- Friend referral: Incentives for both referrer and referee

6.2 Continuous Usage Incentives

- Reward rate improvement based on monthly usage
- Bonuses for consecutive usage days
- Community contribution rewards

7. Technical Specifications

7.1 System Architecture

- Blockchain: DIVER Chain (high-speed, no transaction fees)
- Token Standard: DRC-20 (Ethereum compatible)
- NFT Extension: DRC-1155 (for premium features)
- Wallet: DIVER Wallet Pro
- Authentication: Web3 authentication via wallet connect
- Data Management: On-chain access control

7.2 Security

- Multi-signature treasury management
- Automatic anomaly detection system
- Self-custody structure
- Regular external audits
- Complete self-sovereignty through private keys
- Smart contract-based access control

8. Roadmap

Phase 1: Q1 2025 (Initial Launch)

- STRG issuance and distribution begins
- Basic storage payment implementation
- Agent registration begins

Phase 2: Q2 2025 (Feature Expansion)

- Staking functionality added
- Premium services launch
- Enterprise management tools

Phase 3: Q3 2025 (Decentralization)

- Provider functionality implementation
- Data economy launch
- DAO voting system

Phase 4: Q4 2025 (Maturity)

- International expansion consideration
- Cross-chain integration
- Complete DAO transition

9. Governance

9.1 DAO Structure

Voting Rights

- Voting rights proportional to STRG holdings
- Minimum holding requirements to encourage participation

Decision Items

- Agent reward ratios
- Staking reward rules
- New premium features
- Token circulation design

9.2 Proposal Process

1. Proposal by community members
2. Sufficient discussion period
3. Voting implementation
4. Approval at specified consensus rate

10. Revenue Model

10.1 Token Demand Sources

Use Case	Users	Description	Characteristics
Storage Purchase	General users	STRG payment based on capacity	Stable demand based on utility
Agent Rewards	Referrers	STRG rewards based on performance	Expansion through token circulation
Staking	Long-term holders	Holding for discount privileges	Selling pressure suppression
Premium Features	Advanced users	STRG payment for additional features	High-value demand
Web3 Integration Services	DApp developers	STRG payment for API usage	Ecosystem expansion

10.2 Circulation Promotion Mechanisms

- Encouraging reinvestment of agent rewards
- Lock-in through staking
- Graduated release of premium features
- Supply adjustment through burn mechanisms

11. Risks and Countermeasures

11.1 Regulatory Risk

Countermeasures

- Continuous compliance with regulations in various countries
- Clear positioning as a utility token
- Legal advisory framework

11.2 Technical Risk

Countermeasures

- Phased system expansion
- Infrastructure design with redundancy
- 24/7 monitoring system
- Thorough smart contract audits
- Ensuring wallet connection security

11.3 Market Risk

Countermeasures

- Diverse demand creation mechanisms
- Community-driven improvements
- Flexible reward adjustment features
- Educational programs for Web2 users

11.4 Web3-Specific Risks

Countermeasures

- Measures against private key loss (recovery feature consideration)
- Response to high gas fees (utilizing DIVER Chain)
- Warnings and education against phishing attacks

Appendix

Glossary

- STRG: Storage Coin, the native token of this platform
- DIVER Storage: One-time purchase Web3 storage service
- Agent: Users who conduct referral activities
- DAO: Decentralized Autonomous Organization

Disclaimer

This whitepaper is for informational purposes only and is not intended as investment solicitation. Content is subject to change without notice. The use of Web3 technology involves inherent risks. Users are responsible for managing their wallet private keys.

Last Updated: July 2025