

Elympics Litepaper

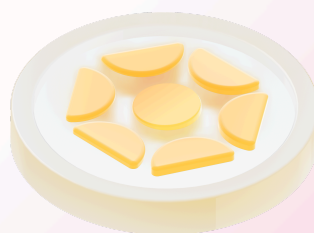
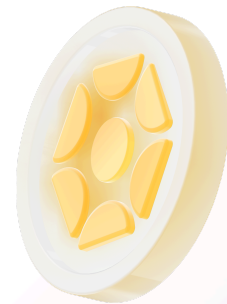


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Overview

Elympics is a cutting-edge multichain Web3 gaming protocol designed to power competitive, verifiable, and trustless gaming experiences. By abstracting complex game and blockchain functionalities through its SDK, Elympics empowers developers to focus on creating engaging gameplay while the protocol ensures fairness, transparency, and security.

Key Features



Verifiable Gameplay

Powered by game rollups for provable fairness, outcomes are cryptographically settled on-chain (*Proof-of-Game*), creating a secure and trustless gaming layer.



Node Network

Decentralized nodes handle hosting and verification, ensuring the accuracy of gameplay results. Nodes are incentivized through \$ELY rewards and a staking system.



Game Tokenization

All games built with Elympics SDK are tokenized, with RV tokens enabling games to share revenues with investors and community. These tokens incentivize investors, publishers, and community involvement while supporting decentralized funding models.



Launchpad for Developers

A platform enabling game developers to tokenize their games via



Agentic Gaming

Elympics by design supports the new wave of AI Agents, that can train, compete in dedicated tournaments, and even



Community-Driven Competitions

Anyone in the community can easily create social tournaments where players wager using any

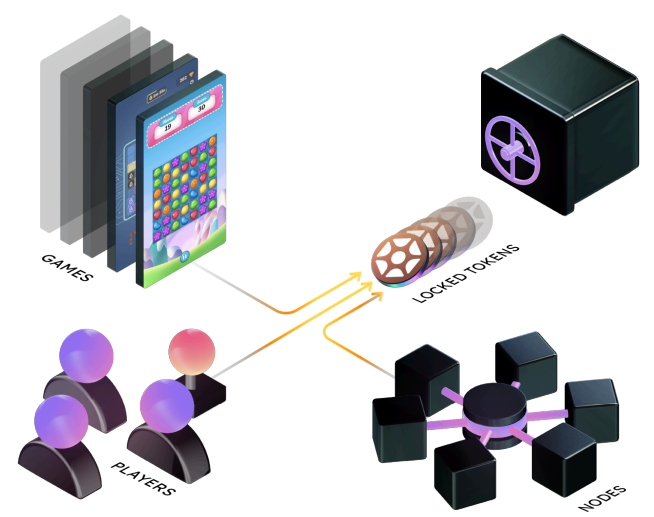
revenue-sharing tokens (*RV tokens*), providing innovative fundraising and monetization models.

host events, creating a future-proof gaming ecosystem that seamlessly integrates artificial intelligence.

tokens, contributing to dynamic prize pools. Tournament creators earn a creator's tax, incentivizing viral growth and community-driven participation.

Network Effect and Value Accrual

Elympics protocol creates value through a seamless integration of gameplay mechanics, decentralized infrastructure, and blockchain-based rewards. As the ecosystem expands with more games, players, and engaged nodes, increasing activity removes more \$ELY from circulation, reinforcing scarcity and supporting the token's value.



Games

With every game's growth and success, more \$ELY tokens are automatically locked to access hosting, verification, and monetization tools.

Nodes

Host and verify gameplay, ensuring fair outcomes, and are rewarded a fixed fee per minute based on the required node performance for gameplay.

Players

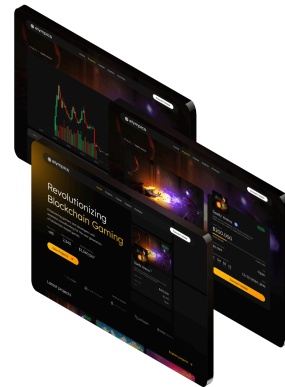
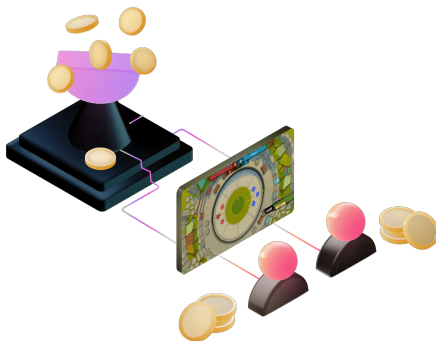
Engage in competitive games, stake \$ELY for premium features and protocol rewards.

The system incentivizes fair-play behaviors with AI-powered anticheat algorithms and slashing mechanisms for non-compliance:

- **Games:** Developers face slashing and potential bans for violating terms and conditions.
- **Node Operators:** Slashed for technical failures, censorship, or tampering with gameplay data.
- **Players:** Players' \$ELY collateral can be slashed for misconduct, ensuring fair gameplay.

Business Model

Elympics business model is designed to align incentives across players, developers, and investors by leveraging competition-based revenue streams and decentralized game funding mechanisms. By integrating a protocol fee on game competitions and a game tokenization launchpad, Elympics ensures a sustainable value flow that supports both game growth and long-term ecosystem stability.



Game Competitions

- Protocol Fee: A percentage of the wager volume from each game is allocated to the Elympics treasury. **The protocol fee ranges between 1.5% - 7.5%** and is dependent on the number of players participating in the competition.

Elympics Launchpad

- Developers tokenize their games through RV tokens, enabling revenue sharing with investors.
- Fees are collected on launchpad activities, including trading and token issuance.
- Elympics earns **2.5% of RV token supply**, benefiting from the growth of successful games, and **5% fee on raised amount**

- **15%** of raised amount via Elympics Launchpad is paired with corresponding amount of RV tokens and **locked in liquidity pool for 2 years** to enable trading

Revenue-Driven Rewards

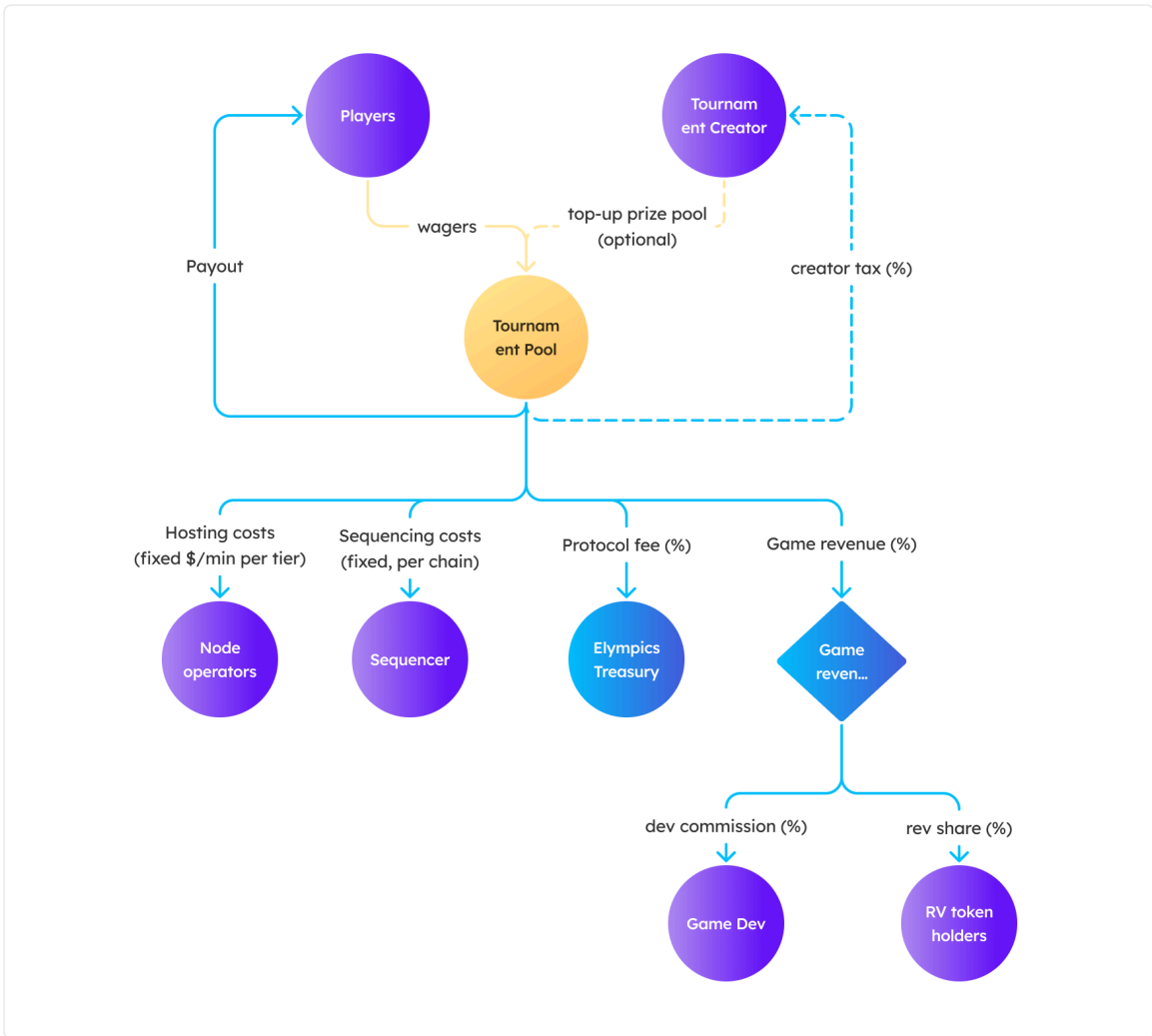
Games built with the Elympics SDK are tokenized, with game-specific tokens directly tied to their revenue streams. This unlocks entirely new economic models for gaming, where revenue can be transparently shared among developers, investors, and the community, fostering deeper engagement and decentralized funding opportunities.

RV Tokens

- Every game created on Elympics can have their game tokens (existing or newly created) tied to game revenues enhancing them with "RV tokens" capability.
- Game revenues can be utilized automatically as RV tokens staking rewards.

Social Tournaments

- Players wager using any tokens, contributing to social tournament prize pools.
- Minimum entry fees (wager) amounts ensure hosting and sequencing costs are covered.
- Tournament creators are earning so-called „creators commission” generating virality incentives for social gaming



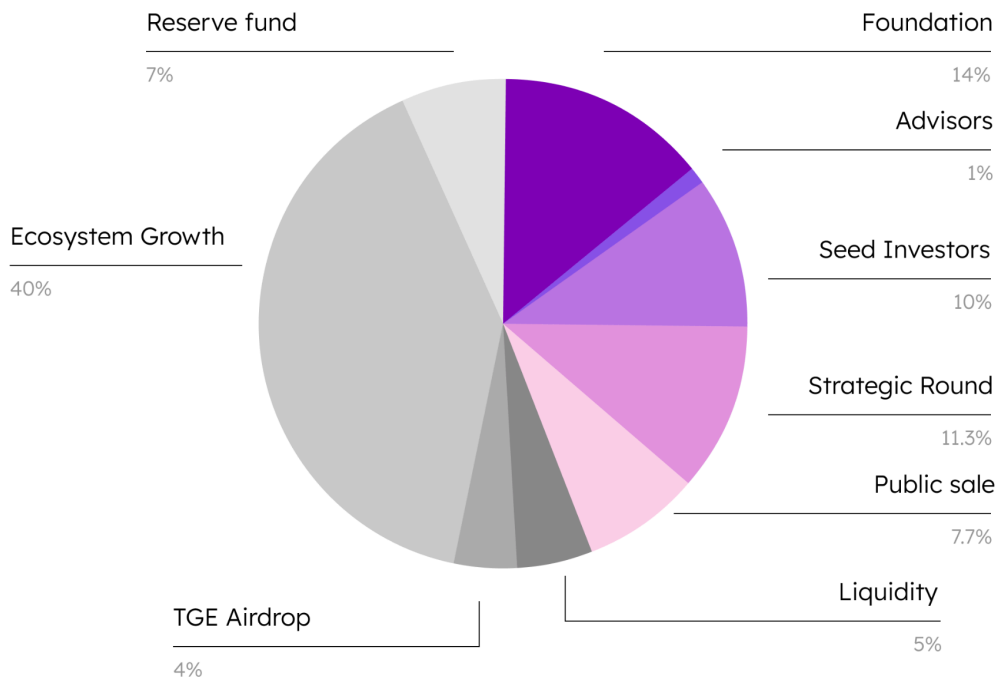
Elympics Token (\$ELY)

Elympics is a multichain ecosystem, allowing games to leverage any tokens for their operations. The \$ELY token is the backbone of the Elympics ecosystem, enabling decentralized operations, incentivizing participation, securing gameplay integrity, and supporting funding mechanisms as well as transparent revenue sharing.

Tokenomics

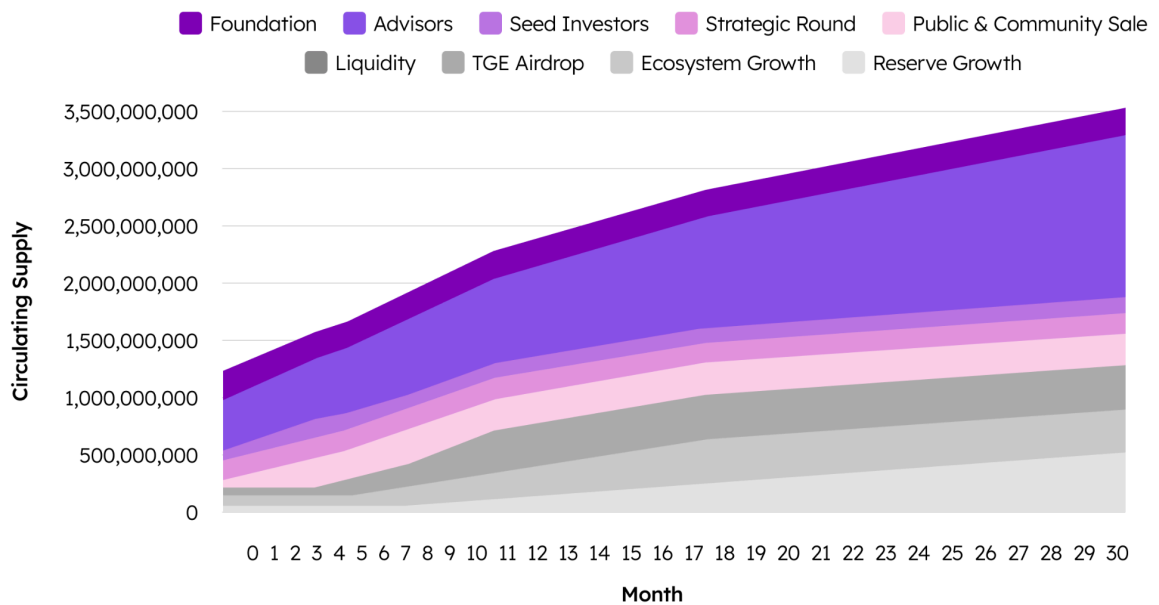
- **Total Supply:** 3,500,000,000 \$ELY
- **Initial Circulating Supply:** 34.17% at Token Generation Event (TGE)
- **Emission Schedule:** Total supply reached in 30 months.

Allocations



Emissions

Category	Cliff (months)	Vesting (months)	% Unlocked at TGE	Allocation
Foundation	6.0	24.0	10%	14%
Advisors	6.0	12.0	20%	1%
Seed Investors	4.0	12.0	20%	10%
Strategic Round	3.0	6.0	20%	11.28%
Public & Community Sale	0.0	3.0	30%	7.72%
Liquidity	0.0	0.0	100%	5%
TGE Airdrop	0.0	3.0	50%	4%
Ecosystem Growth	0.0	30.0	30%	40%
Reserve Growth	0.0	0.0	100%	7%



Utility

\$ELY token has several core utilities within the Elympics ecosystem, serving as a foundational element for securing, operating, and governing the protocol. Its multi-faceted utility design positions \$ELY as an enabler for the ecosystem, tying its value to both functional and economic incentives for all participants.



Games Operability

- Games leveraging Elympics' infrastructure automatically lock increasing amounts of \$ELY tokens as their usage of the protocol grows, ensuring seamless access to competitive gaming and blockchain services while driving continuous token demand.
- Locked tokens ensure compliance with Elympics' terms and conditions. Non-compliance leads to slashing, incentivizing ethical behavior.



Node Operations and Delegation

- Node Operators must lock \$ELY to participate in the Elympics node network, ensuring a commitment to performance and security standards.
- Nodes earn fees for hosting and verifying games, shared with token holders who delegate their \$ELY to these operators.
- Slashing penalties are imposed on node operators in cases of underperformance or malicious behavior, reducing their locked \$ELY to deter non-compliance.



Gameplay Verification

- \$ELY is integral to verifying game outcomes and securing trustless gameplay through In-Game Oracles and cryptographic Proof-of-Game .
- Players can request replay reviews of any gameplays by paying a fee in \$ELY, which is burned, ensuring transparency and accountability.



Governance

- \$ELY token holders have voting rights to influence ecosystem development, treasury allocations, and ecosystem policies.
- Governance empowers the community to shape Elympics' future direction, ensuring decentralized decision-making.



Incentives for Players and Ecosystem Participants

- Players can lock \$ELY to gain premium Elympics features, like Elympics Lightning (Eliminating delays caused by transaction time on chains)
- Reputation systems for players are enhanced by \$ELY holdings, unlocking higher wager limits and fostering fair competition.



Revenue Sharing

- \$ELY stakers receive a share of platform revenues through a buyback-and-distribute mechanism.
- A portion of the revenues is used to buy back \$ELY tokens, which are then distributed to stakers as financial incentives for long-term participation.



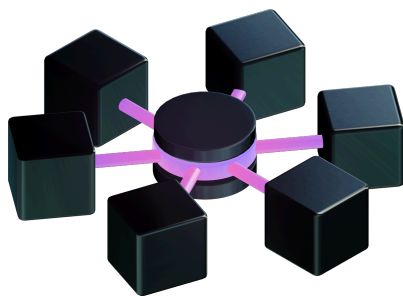
Open Data Protocol and AI Integration

- \$ELY is the payment token for accessing the real-time Open Data Protocol, enabling third-party services such as esports live streaming, real-time betting, and AI training tools.
- Node operators earn \$ELY for providing data for AI agent training, with a portion allocated as a protocol fee to Elympics.

Secure Multiplayer Gameplay Architecture

A secure and transparent gameplay environment is the cornerstone for integrating crypto into the multiplayer gaming experience. Elympics utilizes a global network of nodes to host and verify fair, transparent, and high-performance gaming competitions. This chain-abstracted server grid powers game competitions by hosting verifiable gameplay offchain and publishing results and metadata to any blockchain via the Elympics sequencer. This process provides cryptographic Proof-of-Game and access to verifiable replays, ensuring fairness and transparency.

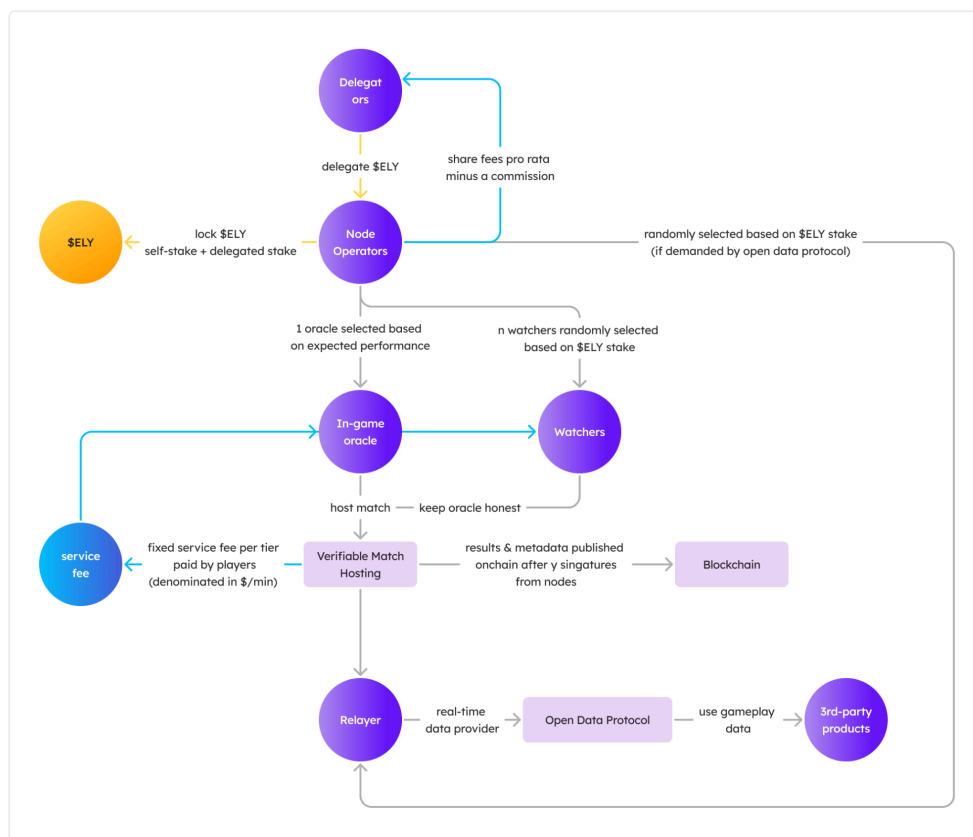
Initially, Elympics will operate in a permissioned setup but will transition to a permissionless, decentralized network (DePIN) in the future, allowing anyone to run a node.



Node Operators & \$ELY

Nodes in the Elympics ecosystem serve two main roles:

- **In-Game Oracle:** Hosts gameplays, processes game outcomes, and serves as the source of truth for gameplay. It leverages AI-driven anti-cheat systems to monitor players, ensuring fairness and integrity throughout the gaming experience.
- **Watchers:** Verify gameplay data by cross-checking recorded outcomes and monitoring for inconsistencies. They act as decentralized validators, ensuring that the In-Game Oracle remains honest and unbiased. Leveraging AI-powered auditing tools, Watchers detect anomalies, prevent match manipulation, and flag potential cheating.



Key Dependencies:

1. \$ELY Staking:

- Node operators are required to lock \$ELY tokens to secure gameplay accuracy and performance.
- A delegated Proof-of-Stake system allows token holders to delegate their \$ELY to node operators, earning a share of node fees.

2. Node Selection Criteria:

- In-game oracles are selected based on performance metrics, including CPU capacity, RAM, bandwidth, stability, reputation, and proximity to players.
- Watchers are randomly selected, with the likelihood of selection increasing with the amount of \$ELY staked.

3. Incentives and Penalties:

- Nodes earn fees per minute based on the hosting tier and distribute fees among in-game oracles and watchers.
- Misbehavior or underperformance leads to slashing penalties, reducing the node's locked \$ELY.

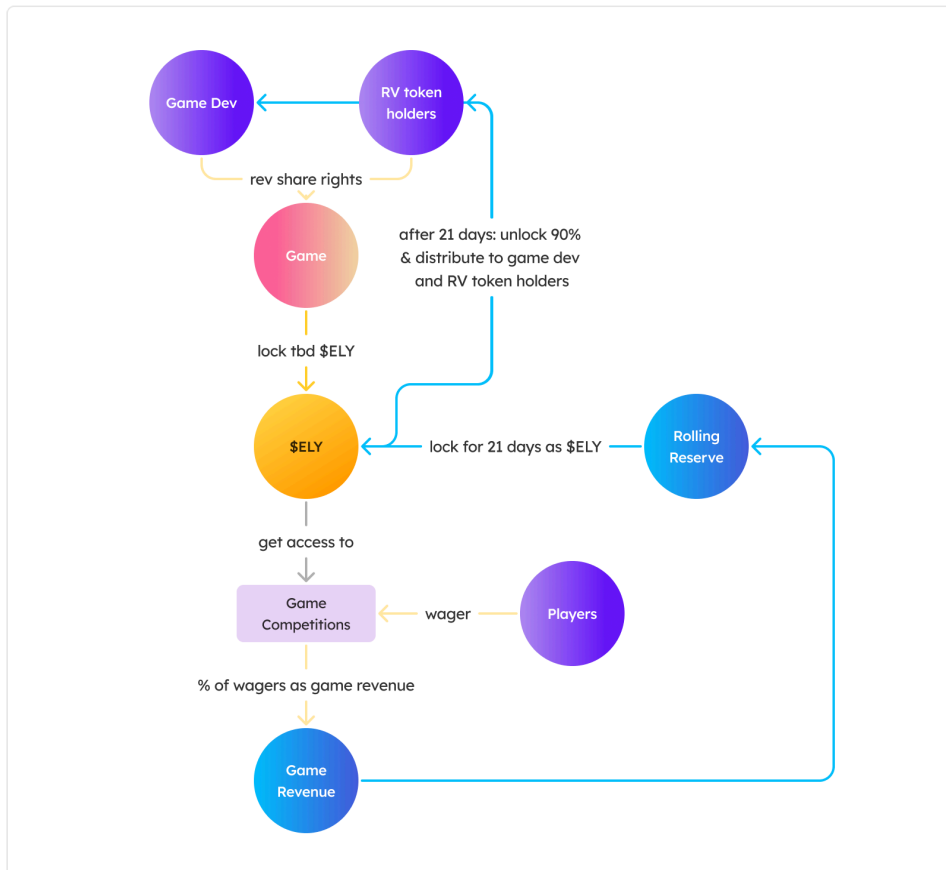
4. Scaling Staking:

- Node operators must self-stake \$ELY tokens and can only accept delegations up to 6x their self-stake. To increase delegations, operators must stake more \$ELY.



Games & \$ELY

Games gain access to the Elympics node network through the protocol by locking \$ELY tokens, which ensures compliance with the protocol's terms and conditions.



Key Dependencies:

1. \$ELY Lock Requirements:

- Games must lock \$ELY to access Elympics' services.
- Additional \$ELY is locked automatically, tied to the game's revenue.

2. Protocol Compliance:

- Additionally, a rolling reserve is established which can also be slashed.
- Game revenue is swapped to USDC and held for 7 days by a smart contract.
- After the 7 days, revenues are allocated to the game developer and redistributed as staking rewards for RV token holders according to the specified parameters.

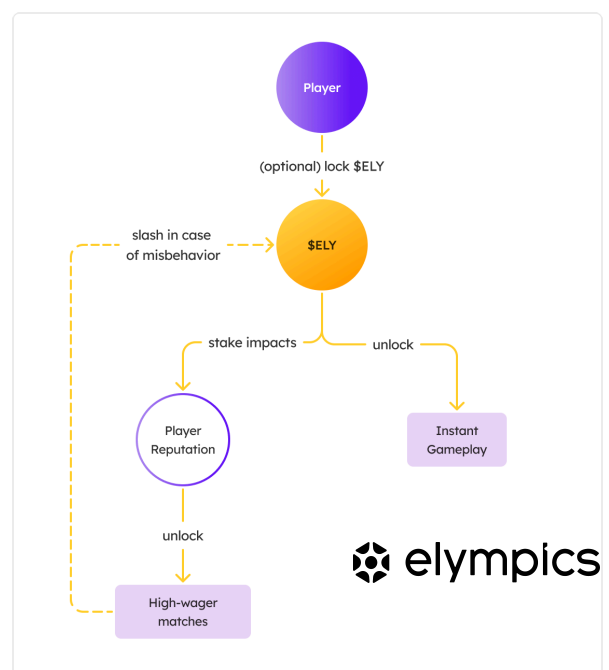
3. Fair Gameplay:

- Locked \$ELY serves as collateral to uphold fairness, with slashing mechanisms discouraging unethical practices.



Players & \$ELY

Players, humans and AI agents, interact with the Elympics ecosystem through gameplay,



wagers, and reputation systems, with optional \$ELY staking for additional benefits.

Key Dependencies:

1. Instant Gameplay:

- Players can lock \$ELY to access **instant gameplay**, bypassing delays caused by wager transaction confirmations.
- In case of failed transactions, wagers are deducted from the player's \$ELY collateral.

2. Reputation and Matchmaking:

- \$ELY stakes are factored into player reputation scores, unlocking benefits such as higher wager limits and improved matchmaking.

3. Accountability:

- Bot-operated accounts detected by the AI security layer will have their locked \$ELY slashed, ensuring fair competition and preventing automated exploitation of the ecosystem.

Open Data Protocol

The Open Data Protocol in Elympics provides a real-time, verifiable data layer that enhances transparency, enables new revenue streams, and unlocks innovative use cases for competitive gaming.

Use Cases

- Esports live streaming
- Real-time betting platforms
- AI training tools
- Anticheat systems

Node operators are compensated in \$ELY for providing real-time data, with Elympics taking a protocol fee.

Agentic Gaming

Elympics introduces Agentic Gaming, leveraging the power of its open data protocol to enable AI-driven gameplay and competition. This feature represents the future of gaming, where artificial intelligence (AI) agents operate in a dedicated AI universe. The system is designed to cater to diverse use cases, from AI training to competitive AI tournaments.



Key Components

1. AI Training and Development

- Elympics provides real-time gameplay data via its Open Data Protocol, enabling developers to train AI agents using verifiable, human-generated gameplay data.
- This creates opportunities for AI innovation, allowing AI agents to replicate and improve upon player behavior.

2. Agent-vs-Agent Competitions

- AI agents can participate in AI tournaments, competing against other AI agents in skill-based environments.
- These tournaments ensure fairness by keeping human players and AI participants in separate competition brackets.
- AI agent owners profit from agent's winnings in competitions

3. AI-Powered Tournament Hosting

- AI agents can act as tournament hosts, managing logistics, participant coordination, and even providing real-time commentary and shoutcasting for matches.

- AI agents can sponsor prize pools to attract participants, set entry fees and earn revenue through tournament taxes.
- This adds a layer of scalability and automation to the ecosystem.

Economic Integration

- **Node Rewards:** Nodes supplying data for AI training are compensated in \$ELY tokens, incentivizing the network to support AI development.
- **Protocol Fees:** Elympics collects a percentage of fees from AI-driven competitions, further enhancing its revenue streams.

With Agentic Gaming, Elympics positions itself as a pioneer in the integration of artificial intelligence into Web3 gaming, providing players, developers, and innovators with a future-proof ecosystem for experimentation and competition.

Governance

\$ELY token holders are integral to the decentralized governance of the Elympics ecosystem, actively shaping its evolution through protocol updates, funding initiatives, and community-driven decisions.

Governance Decisions

- Protocol updates, improvements and features
- Voting in developers grants programs
- Supporting community-driven initiatives through grants or incentives
- Allowing token holders or stakeholders to propose changes or initiatives for community voting and consideration.

Conclusion

Elympics is redefining competitive gaming with a trustless, decentralized infrastructure powered by the \$ELY token. Through innovative mechanisms like node operations, game tokenization, and revenue sharing, Elympics empowers developers, players, and investors to thrive in a transparent, fair, and scalable ecosystem. The protocol's vision is to become the gold standard for Web3 gaming, enabling seamless integration between blockchain and gameplay.

- **Verifiable Gameplay:** With cryptographically settled outcomes via Proof-of-Game, Elympics ensures provable fairness and a secure gaming layer.
- **Decentralized Node Network:** Nodes handle hosting and gameplay verification, incentivized by \$ELY rewards and staking, guaranteeing accuracy and trust.
- **Game Tokenization:** Every game built on Elympics SDK is tokenized, enabling revenue sharing with investors and communities through RV tokens.
- **Launchpad for Developers:** Elympics empowers developers with tools to tokenize games and access innovative fundraising and monetization models.
- **Agentic Gaming:** AI agents can train, compete, and host events, integrating artificial intelligence into a future-proof gaming ecosystem.
- **Community-Driven Competitions:** Anyone can create tournaments with dynamic prize pools, earning a share of revenues while driving viral growth.

Elympics minimizes capital outflow by concentrating resources within the ecosystem, creating a self-sustaining and scalable model that redefines the gaming industry's economic framework. The protocol's vision is to become the industry standard for Web3 gaming, enabling seamless integration between blockchain and gameplay.