

POLYCOGNI CAPITAL WHITEPAPER



Decentralized Capital. Powered by **PolyCogni Capital.**



Architecture

POLYCOGNI CAPITAL is built on a highly modular and scalable architecture, engineered to deliver maximum flexibility, performance, and long-term adaptability. This design enables seamless integration of specialized components while maintaining the core principles of security, decentralization, and developer accessibility.

The platform is powered by four foundational modules:



Data Availability Module — Celestia

Celestia serves as the foundational data availability (DA) layer of the POLYCOGNI CAPITAL ecosystem, forming the backbone of its security and scalability model.

By leveraging Celestia, compressed transaction data is efficiently stored and made readily accessible through a high-throughput network. This modular design separates data availability from execution and consensus, enabling enhanced scalability without compromising data integrity or system reliability.



Data Validation Module — Bitcoin

Security is paramount within the POLYCOGNI CAPITAL architecture.

The protocol anchors critical data hashes directly onto the Bitcoin blockchain, inheriting its unmatched decentralization and battle-tested security model. By leveraging Bitcoin's Proof-of-Work consensus and global mining power, POLYCOGNI CAPITAL eliminates the need for a separate consensus layer reducing overhead while maximizing trust, minimizing network resilience.



Rollup Module — Optimism (Modified OP Stack with Bitcoin Support)

POLYCOGNI CAPITAL is built upon a customized implementation of the Optimism OP Stack, enhanced to support Bitcoin integration.

This module processes data from the Celestia DA layer into structured inputs for execution, enabling efficient transaction processing. The result is low-cost transactions, fast finality, and high-performance Layer 2 scaling, delivering a seamless and scalable user experience.



Smart Contract Module — EVM Compatibility

POLYCOGNI CAPITAL is designed with full EVM equivalence, allowing developers to seamlessly migrate existing Ethereum-based decentralized applications (dApps) with minimal or no code modifications.

This compatibility empowers developers to leverage familiar tools while benefiting from Bitcoin's superior security and decentralization.

POLYCOGNI CAPITAL bridges the gap between Bitcoin's security and Ethereum's programmability delivering a next generation infrastructure for scalable, secure, and developer-friendly decentralized applications.

Inheriting Bitcoin's Security: Merged Mining & Re-staking Research

While **POLYCOGNI CAPITAL** already leverages Bitcoin's security through on-chain data hash anchoring, the team is actively **researching advanced mechanisms** to further strengthen the protocol.

A key direction involves **merged mining**, enabling **Bitcoin miners** to secure **POLYCOGNI CAPITAL** blocks concurrently with Bitcoin's, directly tapping into the network's vast **hashrate**.

Complementing this, explorations into **Bitcoin re-staking paradigms** aim to create a **re-staked Bitcoin model** that amplifies **economic security**, aligns incentives across ecosystems, and solidifies **POLYCOGNI CAPITAL** as one of the most **robust Layer 2 solutions built on Bitcoin's foundation**.

This modular, **Bitcoin secured** architecture positions **POLYCOGNI CAPITAL** at the forefront of next-generation **blockchain infrastructure** combining **Celestia's** efficient data availability, Bitcoin's **ironclad security**, **Optimism's** scalable rollup technology, and full **EVM compatibility to deliver unparalleled** performance, developer experience, and long-term decentralization.



Disclaimer

The presale of Polycogni Capital tokens is designed to facilitate early user engagement and interaction within the Polycogni Capital ecosystem.

The intent of selling Polycogni Capital tokens during this phase is to provide future users with the means to participate actively in the platform's development and to utilize the tokens within the intended utility framework of the Polycogni Capital ecosystem and Transactions.

Potential participants should understand that purchasing Polycogni Capital tokens during the presale is intended as an investment opportunity. The primary purpose is to make profit and solve problems, meet the ecosystem's initial operational needs, and to secure active user involvement from the outset. Polycogni Capital tokens are for use not only within the Polycogni Capital platform, and their acquisition should be motivated by investment considerations.

Polycogni Capital guarantees future increase in value or profitability of the tokens purchased during the presale. Token prices may fluctuate, and Polycogni Capital disclaims any responsibility for such fluctuations. Participants are encouraged to consider investing for their future.

By participating in the presale, you acknowledge and agree that your contribution is motivated by a desire to invest and engage with the Polycogni Capital ecosystem. While Polycogni Capital token presale prices will increase over time during the presale.

The Polycogni Capital tokens will hold a high market value after the presale is over. The price increases and discounts are there to encourage early participation and reward users who join early with more PlutoCogni Capital tokens.



Use Cases for Polycogni Capital Layer 2

Polycogni Capital is designed to cater to the growing demand for decentralized finance applications. By offering a scalable and secure solution, Polycogni Capital enables developers to build a wide range of DeFi dApps, including but not limited to:



Decentralized Exchanges (DEXs): Polycogni Capital facilitates the development of decentralized exchanges for trading Bitcoin-based assets, including BTC, TRC20 tokens, ETH, BRC-404 tokens and more.



Lending and Borrowing Platforms: Developers can build lending and borrowing platforms on Polycogni Capital, allowing users to earn interest on their Bitcoin holdings or obtain loans collateralized by their assets.



Stablecoins: Polycogni Capital supports the creation of Bitcoin-based stablecoins, which can be used for various DeFi applications and as a medium of exchange with reduced volatility.



Margin Trading and Futures: Polycogni Capital enables the development of margin trading and futures platforms, allowing traders to leverage their positions and speculate on future price movements of Bitcoin and other assets.



Decentralized Autonomous Organizations (DAOs): Polycogni Capital's smart contract capabilities facilitate the creation of DAOs on the Bitcoin network, enabling decentralized governance and decision-making processes.



Non-Fungible Tokens (NFTs): While not the primary focus, Polycogni Capital can also support the minting and trading of Bitcoin-based NFTs, catering to the growing digital collectibles market.



Polycogni Capital Tokenomics

Welcome to the heart of the Polycogni Capital ecosystem, the Polycogni Capital governance token. As the cornerstone of our platform, Polycogni Capital empowers community members to shape the future of Polycogni Capital.

TOKENOMICS

Explore Polycogni Capital tokenomics — simple and effective. Our smart contracts are fully audited, enhancing safety and transparency. Dive into our Investment Trading Plan to discover more about how Polycogni Capital Trading works



- Presale - 20%**
- Marketing - 35%**
- Development - 20%**
- Founding Team - 5%
- Reserve - 20%
- Staking - 20 - 25%**



FAQ

What is Polycogni Capital?

The Future of Bitcoin Layer 2 Polycogni Capital is a state-of-the-art layer 2 solution that aims to address the scalability challenges faced by Bitcoin. By leveraging advanced scaling mechanisms such as state channels, sidechains, and blockchain rollups, Polycogni Capital enhances transaction speed and reduces fees, making Bitcoin and Ethereum more accessible and efficient for users worldwide.

What is Layer 2?

Layer 2 is a solution built on top of the **Bitcoin and Ethereum Network**, offering faster and cheaper transactions, enabling double staking rewards for Polycogni Capital.

How Do I Buy Polycogni Capital Tokens?

CRYPTO

- **Create an Account** with us or **Connect your wallet** to our website.
- **Load Wallet With Crypto:** Use BTC, ETH, USDT, USDC, or your preferred cryptocurrency.
- **Buy \$PC**, select your payment method, and opt to buy your token.

When Can I Claim My Tokens?

After your first purchase of Polycogni Capital tokens you will see your allocation on the Polycogni Capital Dashboard on your account. The token will be sent to you on the blockchain. You can also check your allocation in our **Token Balance Checker**.

Can I also invest in the company without Purchasing Polycogni Capital?

Yes you can invest with us without purchasing Polycogni Capital.





The information provided in this section regarding the supply and distribution of **Polycogni Capital** tokens is for general informational purposes only.

While **Polycogni Capital** has allocated a portion of tokens to facilitate liquidity and potentially enable listing on various exchanges, **Polycogni Capital** guarantees that the tokens will be listed and tradable on any cryptocurrency exchange platform.

By acquiring Polycogni Capital tokens, you acknowledge that you understand and have considered this investment, and that **Polycogni Capital** is not responsible for the financial performance of the tokens.

