



ORIGYN

Full Overview

2023

***ORIGYN protects
your most valuable assets***

Today's Imperative

For millennia, people have transacted in person, where trust was a given. With the rise of the internet and the acceleration through the recent pandemic, commerce is shifting towards remote, underscoring the need for trust in this evolving landscape.

ORIGYN was created to safeguard what is essential to any transactions for both physical and digital goods: trust. Serving as an open, transparent and decentralized public registry standard for commerce, ORIGYN ensures the safe, transparent, and efficient tokenization, authentication, and transaction of digital and physical assets.

What is ORIGYN?

ORIGYN is a decentralized protocol based on an immutable blockchain that was launched by the ORIGYN Foundation to be open source. The protocol defines the rules and procedures that govern the entire project. The mission of the protocol is to trace and to protect the most valuable assets over time by using advanced certification technologies.

Traceability

Ensuring the end-to-end provenance of products from inception through consumption using the powerful biometric ORIGYN certificate.

Authenticity

Enhancing secure and transparent exchanges of goods and assets, ensuring fairness in every transaction.

Tradability

Utilizing biometric technology to confirm products are genuine and true to their origin.

Designed to last

Essential elements of the technology

OGY Token

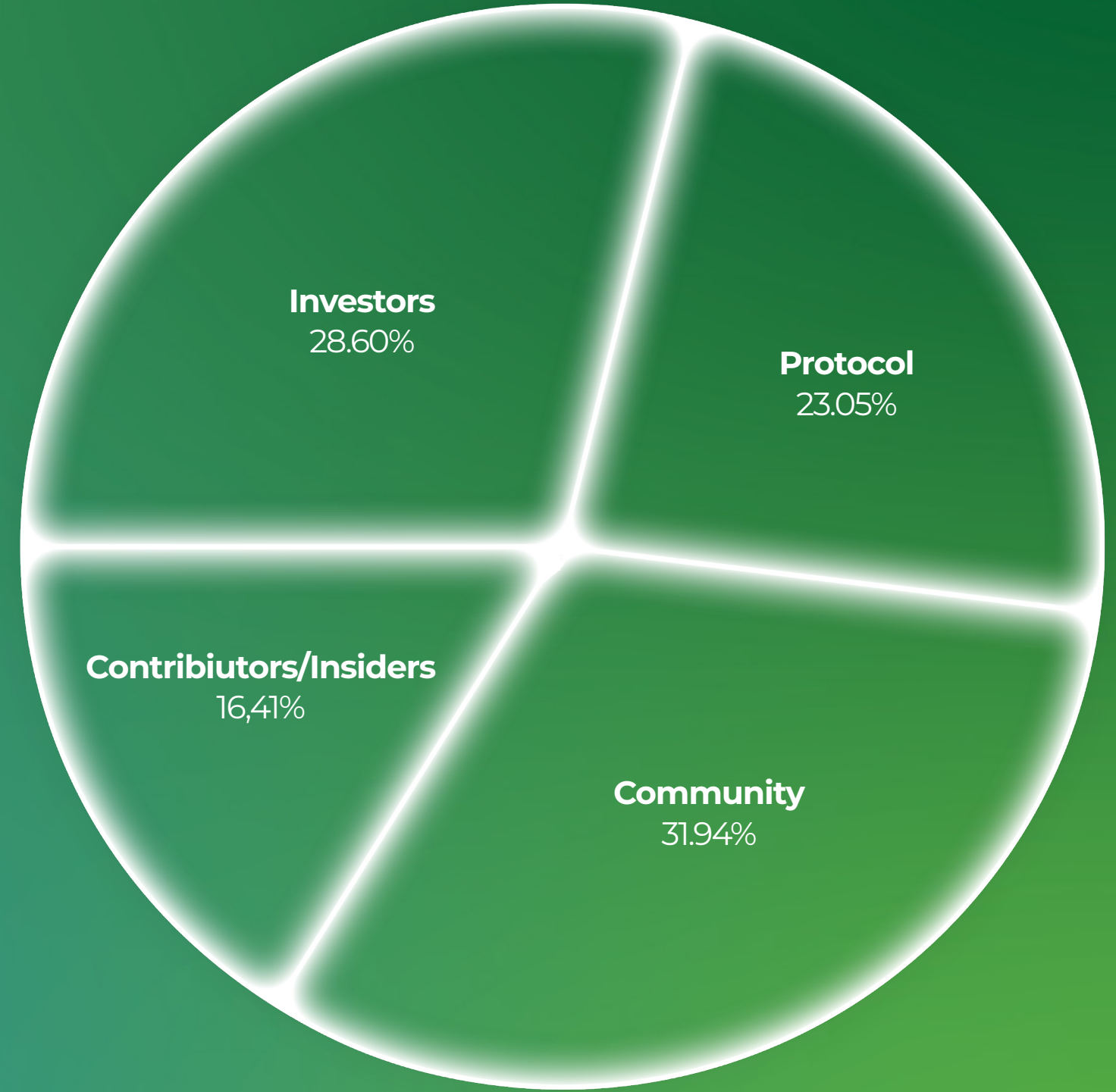
The OGY token is central to ORIGYN, serving as the utility token and powering various functionalities.

It covers creation and storage fees for the ORIGYN Certificate. Additionally, it enables governance, staking, and rewarding participants who vote, placing the power directly in the hands of the community.

10.4 Billion OGY

As of the launch of Tokenomics 3.0, the total supply of OGY is 10.4 billion (10 billion minted at genesis and another 400 million+generated through staking and vesting rewards).

Our plan with ORIGYN Tokenomics 3.0 will be to redistribute the total supply as follows:





ORIGYN NFT Standard

At the core of the ORIGYN Certificate lies the open-source ORIGYN NFT Standard. This standard not only allows the creation of cost-efficient certificates fully on chain, but also facilitates native bridges to BTC & ETH, fractionalization, and much more.

Ethereum

ERC721

Internet Computer

OGY NFT Standard

ORIGYN NFT Standard

Advantages



ON-CHAIN
INTERACTIVITY



MINT NOW,
UPGRADE LATER



ASSETS
FRACTIONALIZATION



DASHBOARD
GOVERNANCE



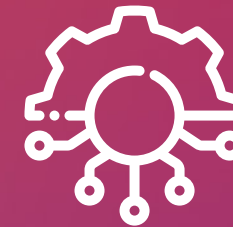
BUILT-IN
HTTPS QUERY



INTEGRATED
MARKETPLACES



OPEN
SOURCE



BTC/ETH/EVM
COMPATIBILITY

PerpetualOS

The Perpetual Operating System transforms how users engage with the ORIGYN ecosystem offering simple access to tools like the ORIGYN Management Cloud, the OGY Dashboard, and third-party DApps. This collaborative environment enhances the overall user experience.

Designed to trust

Products & Tools



OGY Dashboard

The OGY Dashboard is “The ORIGYN Face” and delivers real-time data about the OGY token within the Protocol. It allows users to view and understand all the metrics, distribution of tokens, transaction history, and governance information. It also provides a visual interface to interact directly with the ORIGYN Protocol and its different tools.

| **Real-time data**

| **Governance**

| **Explorer**



ORIGYN Certificate

This is the world's most advanced and comprehensive digital biometric certification technology. All data is stored fully on-chain to ensure certificates are immutable and transparent to everyone.

| **100% On-chain**

| **Cost efficient**

| **Immutable**

What to expect?

Expect more than just certification

ORIGYN goes beyond certification by providing user-friendly tools. With our intuitive minting studio and API integration, businesses can effortlessly create and integrate our biometric powerful certificates.

Certificate crafted for your business

The ORIGYN Certificate is one-of-a-kind - just like your business. Our modular approach ensures that the certificate features can be customized to match and grow with your products.

The most advanced certification technology

Powered by the groundbreaking Internet Computer (IC) blockchain, our certificates redefine what's possible. Experience unmatched data storage, fortified security, and seamless integration at an unbeatable price.

Secure **1GB**
of data for
100 YRS, only **\$60**

ORIGYN Certificate

Advantages

	ORIGYN Certificates	Traditional Digital Certificates
Digital and Internet-based	✓	✓
Used to Establish Trust	✓	✓
Can Be Used in a Wide Range of Industries	✓	✓
Uniqueness of Each Certificate	✓	
Longevity of 100 Years	✓	
Fraud Resistance	✓	
Ownership History Traceability	✓	
Digital Rights Management	✓	
Decentralized, Not Owned by a Single Entity	✓	



ORIGYN dApps

ORIGYN dApps is a set of open source applications that allows users to design, edit and mint certificates. First incepted by the ORIGYN Foundation, individual developers, universities and companies will build a rich ecosystem of dApps in the near future.

**MINTING
STUDIO**

**ORIGYN
VAULT**

APIs

Minting Studio

The minting studio, is a user-friendly tool designed to simplify the process of creating and minting certificates onto the IC blockchain. It was specifically developed to make blockchain innovation accessible and effortless for companies seeking to adopt the certificate standard offered by ORIGYN. The platform is flexible and customizable to meet client needs.



ORIGYN Vault

The ORIGYN Vault is the tool that helps users to access the ORIGYN Certificates that are stored on-chain. It displays the information through the web as an actual website.



APIs

The APIs allow businesses to seamlessly integrate the Certificate Management Cloud into their existing systems. Those APIs act as a bridge between the ORIGYN Protocol and the partner's software system. By leveraging ORIGYN's APIs, companies can incorporate features such as the minting studio.



Build on Internet Computer

ORIGYN Foundation has chosen to build its ORIGYN Protocol on the IC blockchain because of the infrastructure and its advanced unmatched technology. Speed, scalability, and cost-effective data storage stand out as key advantages over other market solutions.



Main Advantages

Speed & Scalability

Ability to replicate Web2 experiences fully on chain.

Security

Ability to build something inherently unhackable. Capable of inherently unhackable construction.

Transparency and immutability

Ability to replicate Web2 experiences fully on chain.

Decentralization

Applications are hosted fully on chain allowing for true decentralization.

Operational Cost

\$5 to store 1 GB/year on ICP vs. up to \$240M on Ethereum.

Largest R&D team in blockchain

Engineered by hundreds of top developers around the world for the past 8 years.

Sustainability

2% of Ethereum's energy consumption/transaction and 0.18% BTC.

Interoperability

Seamless integration with Bitcoin and Ethereum as well as Web 2.0 platforms.

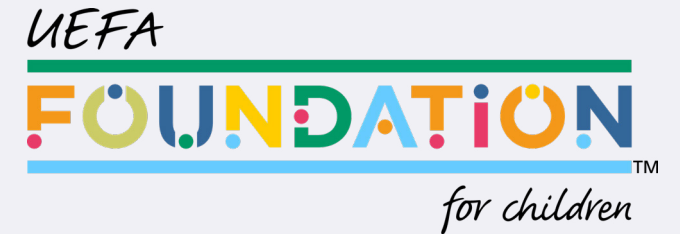
Neutrality and Decentralization

Universal Standard: Open to All, Owned by None

The advantage of a neutral and decentralized protocol, owned by no one, is its universal adoption as a 'STANDARD'. By its neutrality, all the players can use it without the competitive aspect; the protocol is for everyone.

Nobody owns it but everyone can contribute to it. That's what decentralization is about. Furthermore, it was important that the major contributor to the protocol is a foundation that cannot be bought and doesn't belong to anyone whose interest is dividends or anything else. The foundation operates solely in alignment with its purpose and mission. It undergoes audits by two independent entities.

List of contributors to the ORIGYN protocol



About the Foundation

Founded in 2020, the ORIGYN Foundation is not just any foundation; it's a forward-looking Swiss Foundation with a mission: launching a decentralized protocol for safeguarding and tracking both digital and physical assets.

The core focus of the foundation is to contribute, democratize, and help develop the ORIGYN Protocol. While the foundation is the primary contributor, they value collaboration and are not alone in this endeavor.





ORIGYN

[ORIGYN.COM](https://origyn.com)