

APOLLO

all-in-one cryptocurrency

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ABSTRACT

Apollo is a new cryptocurrency commissioned to become the most advanced, feature rich available. Its main goal is to provide users with an effective all-in-one currency with which they can buy and sell with complete assurance of privacy.

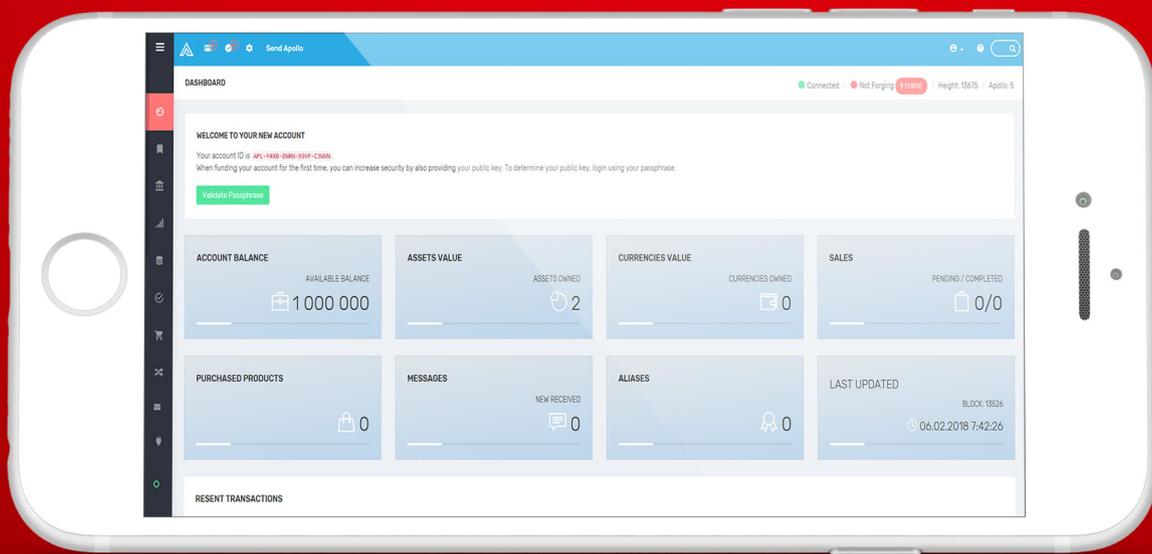
Apollo will be the first cryptocurrency to give users the ability to buy, sell, send and receive invisibly, all while offering significantly more features than its competition. This stealth is accomplished by offering a private transaction option, IP masking, coin shuffling, un-blockable nodes and an integrated decentralized exchange. These features will take possibilities for cryptocurrency to new heights while eliminating the ability for governmental regulation. We foresee rapid, mass adoption of Apollo as on top of offering the fastest, most private transactions, Apollo will boast many capabilities never before combined into one currency.

The crypto world is aching for a universal, all-in-one currency delivering the most coveted features in a single platform. Apollo, with its large community and team of world class professionals will deliver this currency, redefining the industry and raising the bar for what a top cryptocurrency should be.

INTRODUCTION

Over the past nine years, the world has seen many different cryptocurrencies. The creation of Bitcoin, in January 2009, was a timely intervention during a period when investors around the world had lost faith in centralized financial systems. The deep-seated corruption that was unmasked by the 2008 credit crunch, was a warning that we can no longer trust anyone but ourselves with our finances.

The continued problem of security, regarding our identities and privacy, has become a hot issue. The last ten years has shown that not even leading democracies can be trusted with our financial liberty.



Apollo offers absolute freedom and total control in an alternative decentralized framework.

Harvard Business Review quoted, "To protect the blockchain vision from political pressure and regulatory interference, blockchain networks rely on a decentralized infrastructure that can't be controlled by any one person or group." This freedom inspired blockchain is the core vision of Apollo. Unfortunately, as we will lay out in this document, current cryptocurrencies although mostly decentralized, have many flaws that allow for an outside entity to easily control and regulate. Apollo offers a solution indefinitely free from political pressure.

THE PRESENT CRYPTOCURRENCY

The goal of Apollo is to replace the great number of niche currencies with one platform combining the best features currently available. An overview of the leaders of the market shows how Apollo will quickly take the lead in terms of superior offerings.

LANDSCAPE

TOP GENERAL CRYPTOCURRENCIES

Bitcoin

This is the product that gave birth to blockchain technology. The creator Satoshi Nakamoto could only foresee a certain number of problems that this currency could solve. By 2018, Bitcoin has long departed from its maker's goal of being the perfect alternative means of exchanging value, to what is now a highly inefficient currency. Bitcoin transactions face the problem of being extremely slow, so much so that a transaction can now take days to confirm, making it unrealistic to be used by businesses. Bitcoin transactions have also become too expensive, as users making small payments often have to pay transaction fees which can be as much or even more than the monetary amount they are sending. Many cryptocurrencies compare themselves publicly with bitcoin, as it is an easy rival to beat in terms of functionality and features. Instead, we choose to compare Apollo with only the most advanced cryptocurrencies available.

Ethereum

Although Ethereum has made tremendous strides since its inception in 2014 (becoming the second largest blockchain based currency), it too comes with innate problems which threaten its ultimate sustainability as a currency. Ethereum is the most used platform for ICO, which now leverages on its infrastructure to offer all kinds of inefficient products. Currently Ethereum's blockchain is not only bloated but suffers from extreme privacy issues, as anyone can access intimate details of your account and transactions, including your IP address (physical location). Furthermore, having experienced major glitches with its smart contract system and transactions, such as the hacked DAO that resulted in the loss of \$75 million usd, it is easy to see how it could be quickly replaced.

Ripple

This is the third largest cryptocurrency by market share, having an advantage over the previous two when it comes to speed and rate of transactions. However, Ripple is essentially a centralized entity, owned by a U.S. based company, which is doing its best to serve the present banking industries that cryptocurrency was created to replace. These close ties with the banking industry prevent Ripple from being considered the alternative that will provide its users the escape from the current corrupt systems. It gives no regards to privacy and was created to comply with strict monetary regulations, the same as any bank. It has also been proven that the company behind ripple owns more than 60% of the total amount available and the founder personally owns 17%, leaving only a small percentage traded by the public.

TOP PRIVACY CRYPTOCURRENCIES

Dash

This is the most widely used and most valuable privacy-focused cryptocurrency. Dash has been among a few cryptocurrencies which offers users some form of privacy when sending transactions. But, for Dash, this privacy comes with severe limitations and no absolute freedoms. There are limits to the amount one can send or receive with its Darksend feature, which is essentially a simple form of coin shuffling. Even then, before a transaction can achieve a reasonable level of privacy, it requires several sessions of Darksend. Your IP address (physical location) is always vulnerable making it a poor choice for a privacy currency.

Monero

This currency was created with the goal of providing users with a completely cloaked transaction. However, outside of a simple private transaction Monero relies on an over-bloated blockchain that offers little else in extra features. It does not have the ability to send public transactions, which is critical for mass adoption, and it leaves your IP address exposed. Therefore, failing in its viability as a long term privacy currency.

Verge

Verge advertises itself as the alternative that will provide total privacy for its users. Verge is essentially a clone of Dogecoin (initially started as a joke cryptocurrency branding the face of a cartoon dog), which started off with the name Dogecoin dark. This coupled with the fact that it has very few features, a small, previously unreliable team and a bloated blockchain limits its prospects as a long-term option. Verge is a currency that certainly serves a great niche but offers too little to go further than that.

PROBLEM STATEMENT

The main problem with cryptocurrencies on the market is that they are built to work within a niche, focused on a few features to offer something slightly different or improved to users. In almost every case these currencies are built using bulky blockchains that cause slower transactions as more users are on the network. These are simply not sustainable for the long term. Even current top currencies offer very limited possibilities. They may have desirable features but limited decentrality and no private transaction option, opening them up to be highly regulated, or vulnerable to an attack on the user's privacy

Currently governmental regulation, such as the ones imposed in China and Venezuela, are the single biggest threat facing cryptocurrency. Any cryptocurrency which has privacy loopholes, with which governments can leverage, will always be under imminent threat.

Current currencies which offer privacy do so in a very limited capacity, utilizing bloated blockchains and very few additional features. Certainly, none that could ever contend with or replace top non-private currencies. Nearly all top non-private and private currencies allow the IP address of a user to be easily tracked, making a user's physical whereabouts transparent. There are no currencies on the market which offer an IP masked, decentralized exchange, giving users the ability to buy and sell a currency using private or public transactions directly from their wallet. Additionally, there is no currency that has added every useful feature from top currencies on a sustainable blockchain and combined those with the best privacy technology. If there was such a currency available, it would have replaced every other coin on the market.

APOLLO SOLUTION

Utilizing a world class team the Apollo Foundation is offering the all-in-one currency capable of replacing every other on the market.

Solution:

1. Olympus Protocol
2. Hermes Blockchain
3. Current Features
4. Future Features

1. OLYMPUS PROTOCOL

1. IP Masking

IP masking utilizing advanced technology, including tor, will soon be integrated into the Apollo wallet allowing for seamless, untraceable use of the wallet and all of its features.

2. Public and Private Transaction Options

Perhaps one of the most important features in Apollo is the ability to choose between private transactions and public transactions. This allows any user the ability to send unlimited private transactions that will not trace back to their wallet. Public transactions are also possible allowing for mass adoption.

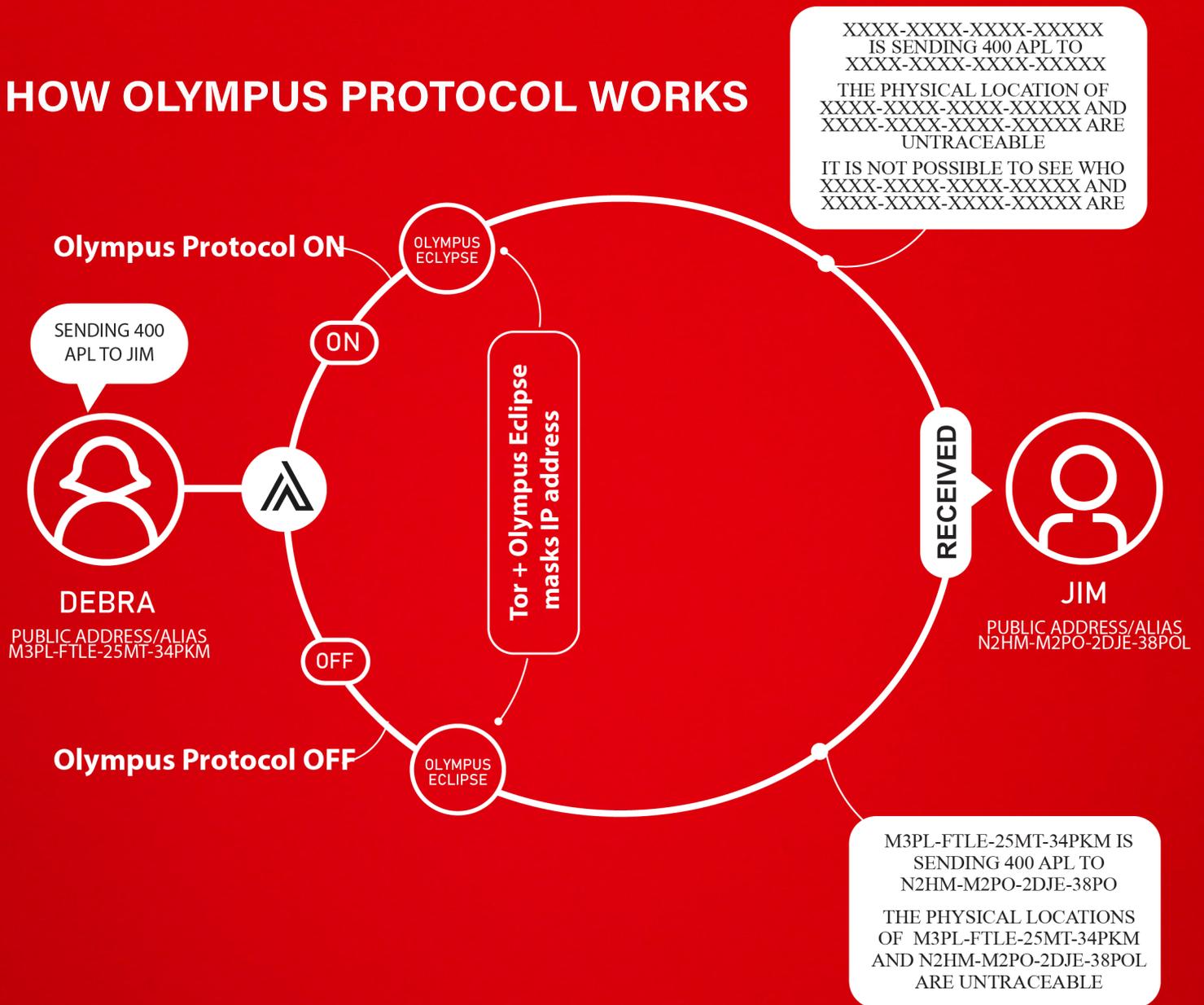
3. Integrated Decentralized Exchange

The decentralized exchange integrated into Apollo will allow anyone to buy, sell and trade with absolute secrecy, because the exchange is 100% decentralized and not run by any entity, no identification documents are ever needed and there are no fees. Your IP will also be masked and you can send private transactions directly from the exchange.

4. Coin Shuffling

Coin shuffling is an additional privacy feature allowing your Apollo, as well as other currencies held in the account, to be randomly shuffled between user accounts. This allows an account holder to anonymize their funds nearly instantly.

HOW OLYMPUS PROTOCOL WORKS



2. HERMES BLOCKCHAIN

1. Sustainable Blockchain

The Hermes Blockchain will make Apollo an incredibly secure, lean cryptocurrency with indefinite stability.

2. Lightning Fast Transactions

Hermes will take a transaction speed that averages 10 to 30 seconds and make this same blockchain facilitate transactions as fast as 2-3 seconds. Utilizing our newest blockchain technology will make Apollo one of the fastest cryptocurrencies on Earth. This will help to establish its dominance as it opens up huge potential in microtransactions, decentralized banking, financial services and more.

3. CURRENT FEATURES

1. Monetary System

The monetary system within Apollo allows users to instantly create currencies or tokens that can be traded privately on Apollo's decentralized exchange as well as freely on external exchanges. These currencies can easily be backed by Apollo giving them an instant, tangible value.

Possible use: Crowd-funding, ICO, Finance, Charity, Voter IDs, Escrows, Coupons, Currency, etc.

2. Asset System

Using the Apollo asset system, a user can issue tokens representing anything from public and private equity to real world commodities. Unlike other markets and cryptocurrencies, users will be able to trade these assets with 100% privacy.

Possible use: Shares, Bonds, Private Equity, Public Equity, Commodities, Derivatives, etc.

3. Encrypted Messaging

Encrypted messaging on the Apollo blockchain will allow any user to send and receive 100% private, untraceable messages and data files from one account to another. Utilizing the Olympus protocol, the user's IP address and the transaction carrying the message will be invisible.

Possible use: Untraceable Communication, Untraceable File Transfer, etc.

4. Blockchain File Storage

The Apollo data cloud allows uploading to the blockchain for storage, retrieval and publishing of information. This gives a user the ability to upload a file to the blockchain, therefore receiving an irrefutable time stamp for that data. This time stamp could be helpful in establishing an absolute date for legal documents such as contracts and intellectual ownership.

Possible use: Voting, Permits, Evidence, Court Records, Transparency, Death/Birth Certificates, Contracts, Wills, Trusts, Escrows, Maps, GPS Data, Signatures, Medical Records, Arbitration, Delivery Records, Certifications, etc.

5. Alias System

This system in Apollo can be used to create a unique alias that acts as a representation for a specific set of text. This will encrypt the chosen text into the alias. This text could be your account number, a website, email address, etc.

A specific alias can be claimed only once (like a domain name), therefore it can be sold privately or publicly and transferred to any other account. The most basic use is sending funds to an account number, instead of typing out the entire account number you would simply write in the alias.

6. Voting System

The Apollo voting system allows users to create public or private polls. Polls can be used to direct and manage funds from an account, elect officials or simply to gauge public opinion. This opens up near endless possibilities for collecting absolute, verified responses from designated sources.

7. Phased Transaction

Phased transactions are transactions set up to occur after a certain condition is met. This could be after another transaction is sent or received, after a passage of time or after a certain block number is hit.

8. Multi-Signature Accounts

Apollo supports multi-signature accounts allowing more than one user to control an account.

9. Decentralized Marketplace

The Apollo decentralized marketplace allows users to buy, sell and trade physical and digital goods using the Apollo currency. Users can list goods to be sold locally or even worldwide. Trading will be decentralized and untraceable allowing the free trade of any item. Future updates will include a review and reputation system aiding sellers in building a positive reputation based on experiences.

10. Advanced Account Control

Accounts can be created in a way that allows group control. Utilizing the Apollo voting system, a group can be granted the ability (via initial ownership or ownership of a specified token or asset) to vote on the transactions that are spent on the account.

Possible use: Private Investment Fund, Private Insurance Fund, Charity Fund, Decentralized Autonomous Organizations (DAO)

11. Authentication System

The Apollo authentication system allows users to authenticate an account using the blockchain to prove that they are the overseer of an account.

12. Leasing

The account leasing option allows the user to lease the forging power of their account to another user. This allows for the creation of forging pools, increasing the chances of generating a block, as well as generating an income from transaction fees.

4. FUTURE FEATURES

1. Smart Contracts

Apollo will soon integrate the ability to create complex smart contracts. Combined with our asset system, monetary system, decentralized marketplace, storage system, leasing and voting system these smart contracts will open up nearly infinite possibilities within Apollo.

2. Many More

Regardless of how far Apollo is ahead of the competition we will never stop adding ground breaking features. The Apollo Foundation will hold periodic voting events where Apollo holders will vote on the most desired features to add.

The screenshot displays the Apollo dashboard interface. At the top, there is a navigation bar with the Apollo logo and the text "Send Apollo". Below this, the dashboard is titled "DASHBOARD" and includes a status bar showing "Connected", "Not Forging", and "FORGE" (with a red indicator), along with "Height: 13675 / Apollo: 5".

The main content area is divided into several sections:

- WELCOME TO YOUR NEW ACCOUNT:** A message stating "Your account ID is `APL-Y4XB-EHRN-93VF-C3MM`". It includes a note: "When funding your account for the first time, you can increase security by also providing your public key. To determine your public key, login using your passphrase." and a green button labeled "Validate Passphrase".
- ACCOUNT BALANCE:** Shows "AVAILABLE BALANCE" as 1 000 000.
- ASSETS VALUE:** Shows "ASSETS OWNED" as 2.
- CURRENCIES VALUE:** Shows "CURRENCIES OWNED" as 0.
- SALES:** Shows "PENDING / COMPLETED" as 0/0.
- PURCHASED PRODUCTS:** Shows 0.
- MESSAGES:** Shows "NEW RECEIVED" as 0.
- ALIASES:** Shows 0.
- LAST UPDATED:** Shows "BLOCK: 13526" and "06.02.2018 7:42:26".

At the bottom of the dashboard, there is a section labeled "RESENT TRANSACTIONS".



A P O L L O

The Vision

Utilizing a team of world-class developers, managers, marketers, and researchers, the Apollo Foundation has set out to accomplish the vision of making Apollo the most technologically advanced, feature-rich, un-regulatable currency on Earth. We know the demands of a top-tier cryptocurrency, and we believe we can create a coin that will integrate everything necessary to rise above the rest. As we develop and improve Apollo, our team will strive to continue designing and developing features that have not previously been used in cryptocurrency. Our goal is to create the first all-in-one cryptocurrency, innovating and incorporating every ability that could be beneficial in currency, all in a single decentralized platform. Our first major update, Olympus Protocol, puts mass adoption-proof privacy at the core of Apollo. This is because we know the ability for a user to buy, sell, trade and send in absolute secrecy is vital to an industry that could be moments away from intense regulation. We are here because we believe that the only entity that should be in control of your funds is you.

WHAT IS APOLLO?

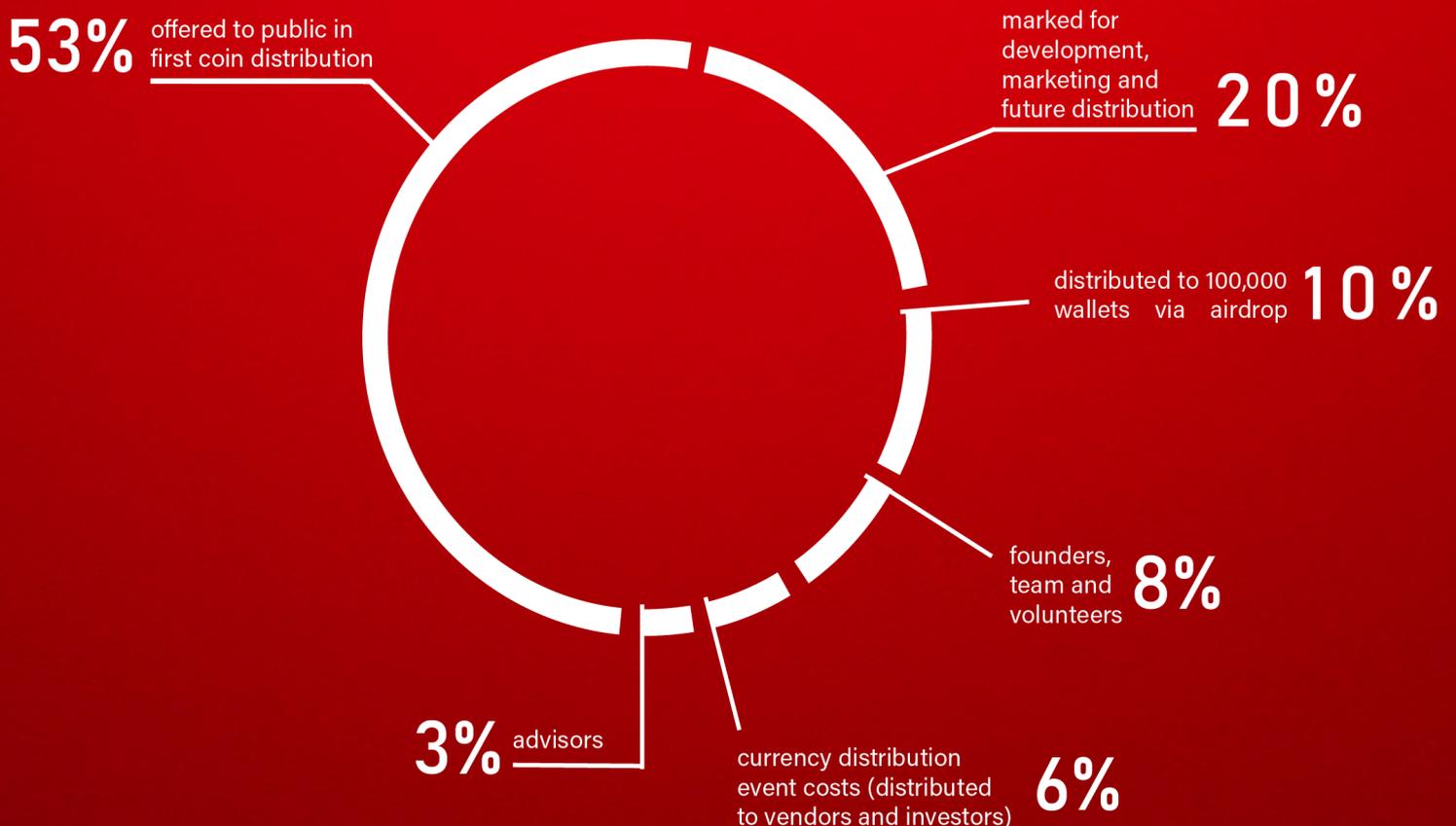
Apollo is an all-in-one currency offering its users endless possibilities that go beyond making secure payments for goods and services. Apollo is a universal currency that can be tailored to use in almost every sector of life and business. From the creation of token shares for corporations, to the founding and management of highly secured decentralized organizations. The full potential of blockchain technology will be pushed to its limits within Apollo.

COIN DISTRIBUTION EVENT

As stated, unlike ICOs, Apollo is not simply an ER20 token that is printed instantly. Apollo is its own cryptocurrency with many usable features and many new features being developed. This is not an ICO set up with the goal of raising money for a project that has not been started. Our goal with this coin distribution event is to distribute Apollo into as many hands as possible as quickly as possible.

CURRENCY ALLOCATON

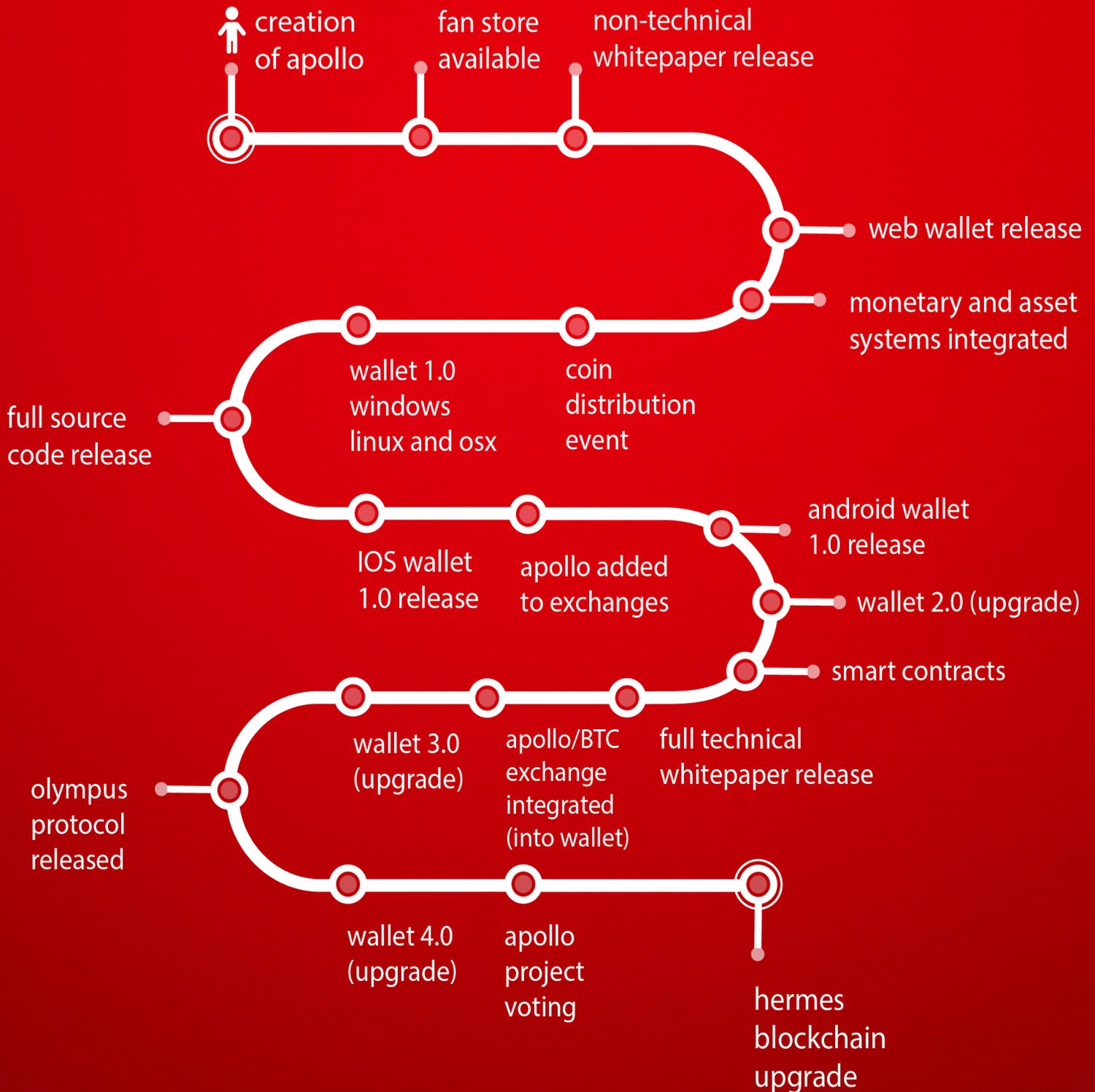
Apollo is a major, long term vision that is not only within the realm of possibility but within reach. Because of the large scope of the Apollo project, the Apollo Foundation is holding back enough stake to sustain development for a number of years. These coins will be released very slowly (when necessary) to fund additional development and marketing. Keep in mind the Apollo held by the Apollo Foundation will be used exclusively for its long term development and benefit. Much of these reserves will be allocated to distribute, such as in airdrops and further distribution plans. Reserves held for the team will be distributed to our current team of 200+ full time, part time and volunteer members and a portion of this will be held for future team members.



Roadmap



APOLLO



Notable Operations Team



Steve McCullah
Director

Utilizing his extensive knowledge of technology development Steve has served as CEO of McCullah Technologies. He has had the opportunity to work with the U.S. Military, Homeland Security, celebrities and many major retailers



Kyle Hornback
Management

Kyle having worked as an executive at Skylark inc., as well as having built and ran a highly successful services business, lends Apollo his superb ability to organize and manage teams effectively



Chase Hendrock,
Investor Relations

Chase has extensive experience in overseeing complex projects and will continue to use his MBA, engineering and negotiation experience to take Apollo to the next level



Kacper Gazda
Lead Development

Kacsper is a leading software engineer who has used his experience and masters in software engineering to propel research and development at Samsung as well as his own software company where he heads a team of more than 60



Alexander Mora
Marketing

Alexander has marketing and creative experience having worked with Disney, Verizon, ESPN Deportes, NASCAR, Sears, XM Radio, General Motors, Jack Daniels and more...



Katherine Manning
Marketing

Katherine is a rock star marketing professional having worked wonders for industry behemoths such as IBM, Microsoft and Red Hat. She brings an impressive amount of value to the Apollo team



Kerry Campbell
Marketing

Kerry offers the same marketing expertise she utilized for tech giants Microsoft, Intel and Qualcomm to take Apollo to the top of the charts. Certainly a gifted addition to our marketing team



Michael Troung
Research

With acute attention to detail Michael has worked for fortune 500 companies overseeing engineering and logistics and will use this experience to further Apollo's capabilities



Enacache Stefan
Graphics

Enacache is a valuable asset to our media team not only as a graphics designer but also a UI expert. He is a seasoned professional with over ten years of experience in web design, video production, animation, brochures, menus, ads, posters and other print media.



Daniel Korogodski
Human resources

Daniel offers Apollo his extensive experience organizing and equipping teams for complex projects. During his time as acting CEO of First Bridge, Daniel has overseen as many as 50 professionals working on a multitude of projects in the technology sector.



Alessandro Mazzi
Legal

Alessandro is a legal advisor with extensive knowledge on blockchain and the legalities related to token sales. Alessandro has worked with leading international corporate law firms and institutions such as Minter Ellison, the HKIAC and Yingke Law Firm in the field of cross-border dispute resolution and commercial arbitration.



Sajil Mehta
Exchange Acquisition

Sajil is a dedicated professional with years experience in business relations. Using knowledge acquired from his masters degree in marketing as well as his experience working for companies such as Sony, Sajil will seek partnerships for Apollo with some of the largest exchanges in the World.

Notable Developers



Damian Cholewa
Senior Engineer



Pawel Drozd
Engineer



Jaroslaw Stanek
Senior Engineer



Michal Lubinski
Senior Engineer



Constantine Golub
Engineer



Mariusz Hudziak
Senior Engineer



Michal Milek
Senior Engineer



Aleksandra Wróblewska
Engineer



Piotr Pawlak
Senior UI Design



Lukas Trvdy
Senior Engineer



Justyna Kulinska
Senior Engineer



Michal Zyndul
Senior Engineer