



VERICOIN

Dual Blockchain Technology

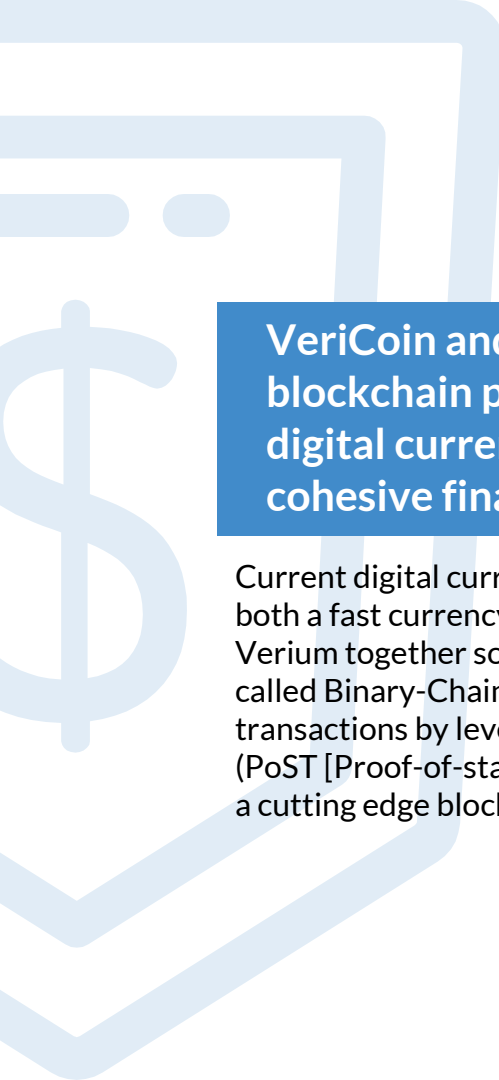
Development Roadmap V1





Welcome to **VeriCoin**.

The first dual blockchain digital currency supported by a purely digital asset, **Verium**.



VeriCoin and Verium will be the first dual blockchain protocol technology that will pair a digital currency and digital asset. Forming a cohesive financial system called a Binary-Chain.

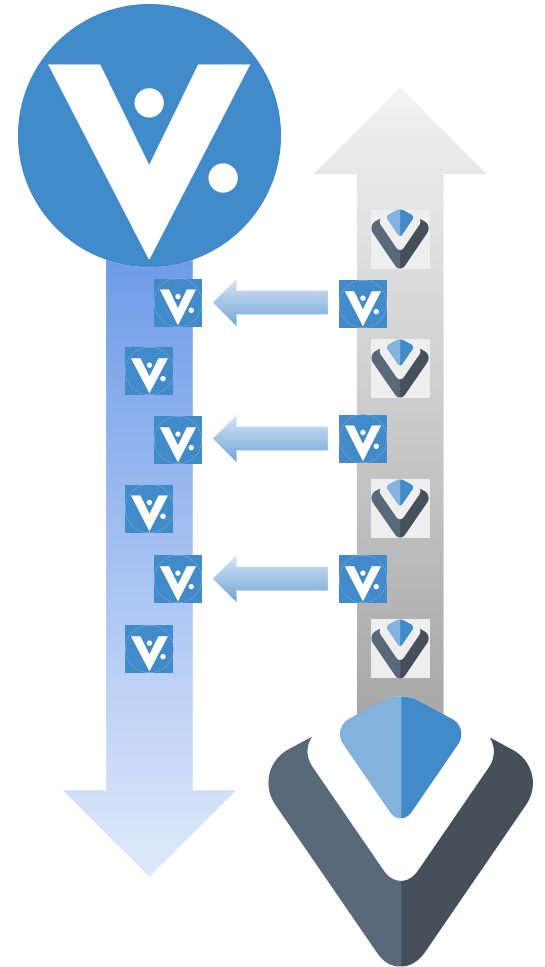
Current digital currencies face an impossible task of trying to be both a fast currency and a secure store of value. VeriCoin and Verium together solve this problem with a dual blockchain system called Binary-Chain. A Binary-Chain, secures and accelerates transactions by leveraging complementary protocol technologies (PoST [Proof-of-stake-Time] and PoWT [Proof-of-work-Time]), into a cutting edge blockchain ecosystem.



Most block-chain currencies rely on one chain, one point of consensus and thus one potential point of failure. A Binary-Chain forms a strong bond across two chains; no central point of failure and a shared consensus system.

Through Auxiliary Mining (auxiliary proof-of-work, or AuxPOW) Verium miners will be able to mine both Verium and VeriCoin blocks, speeding up VeriCoin's blockchain to 20 seconds and beyond. AuxPOW will allow both VeriCoin and Verium to support larger transaction volume at a faster transaction rate per second due to Verium's variable block-time. The Binary-Chain can vastly outcompete Bitcoin or other currencies with a single chain. Wallet addresses and private keys are shared across both chains to allow easy account transfer between digital asset and digital currency. This together makes VeriCoin and Verium's Binary-Chain the ideal blockchain system.

Both chains are self-sustaining and with no single central point of failure making them truly unique. Together they create a more secure, faster and safer financial system.



WHAT IS VERICOIN?

VeriCoin is a purely digital currency that runs on its own protocol, PoST (Proof-of-Stake-Time), which is unique to VeriCoin.

VeriCoin transactions are currently **10 times faster than Bitcoin**, nearly instant and via Verium will become even faster. Unlike Bitcoin, you gain interest like a savings account by simply leaving your digital wallet running on your computer. This process is known as staking, another form of digital minting of new coins, and helps validate transactions on the VeriCoin network. VeriCoin allows anyone in the world with an internet connection the ability to transfer and receive funds in a matter of seconds. People who are not able to, or do not have access to a bank account, will now have access to an already established and flourishing financial network. VeriCoin is backed by the technology that will change the world.



VERICOIN

FACTS AND TECHNOLOGY

VeriCoin (PoST) - Digital Currency

- Extremely low transaction fees
- No central point-of-failure
- No chargebacks
- No counterfeiting
- Controlled by network consensus
- Virtually instant transactions
- Fairly mined, without pre-mine

PoST (Proof of Stake Time)

- Fully decentralized PoS (no sync-checkpointing)
- Protocol Security against competitive forks
- Protocol Security against coin-attacks
- More active staking results in higher rewards
- Disinflation targeted interest (low inflation)
- More decentralized consensus than Bitcoin

The PoST Protocol [Whitepaper](#)



WHAT IS VERIUM?

Verium is a purely digital asset/commodity run on it's own unique protocol PoWT (Proof of Work Time).

Verium was created to be an innovative, independent store of value asset, in addition to supporting the VeriCoin blockchain. Verium solves the blockchain scaling issue by introducing a new variable block-time paradigm that speeds up as mining power increases. This allows Verium to automatically scale, enhance transaction speed and capacity, while ensuring security at any level of mining. Through Verium's auxiliary mining protocol, Verium will also process VeriCoin blocks. This process will speed up VeriCoin's block-time to 20 seconds and beyond. This enables VeriCoin's network to provide an efficient and scalable ecosystem for consumer transactions well beyond current standards. Verium is accessible to anyone with a PC or laptop in three easy steps. Download, install and click to mine. It's that easy!



VERIUM

FACTS AND TECHNOLOGY

Verium PoWT (Proof of Work Time)

- Auto-scaling variable block-time, dependent on computational power
- Rewards in VRM,
- Reward ~halving per minute decrease in block-time
- Security and efficiency via reward and block-time computational power dependency
- Scrypt² memory-hard mining
- ASIC and GPU resistant due to low efficiency

Paring with VeriCoin

- 10x lower supply then VeriCoin (Current supply, 1 million Verium)
- At least 10x more costly to send then VeriCoin
- Verium auxiliary mining of VeriCoin blocks and bonus VRC rewards
- Further decentralizes VeriCoin and automatically scales it
- Decentralized on chain swap to VeriCoin and VeriCoin to Verium (Artis)
- Fair VeriCoin-only funded ICO

The PoWT Protocol Whitepaper (Coming Soon)



Roadmap to a Merged Dual Blockchain System

○ Cipher

○ Usor

○ Artis

○ Stratum

○ Gemini

○ Mobile Apps

○ Project Social

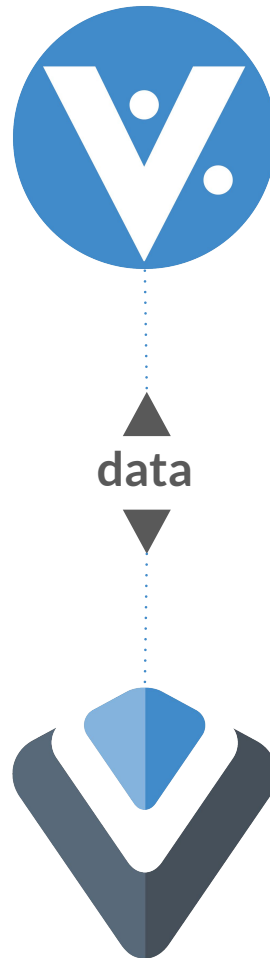


MASS
ADOPTION

WHAT IS CIPHER?

Cipher is an on chain, encryption optional, messaging system. Cipher can be used to communicate from one wallet to another, with the option of storing encrypted data.

The purpose of using Cipher is to protect your privacy and secure your information. Cipher also allows for decentralized voting on community initiatives and development decisions. Additionally, it forms the basis for future distributed apps that rely on blockchain data storage and transfer, including smart contracts.



Cipher



Usor



Artis



Stratum



Gemini



Mobile
Apps



Project
Social



WHAT IS USOR?

Usor is an on chain decentralized username system that will allow users to assign unique usernames to their desired address.

Easily send and receive your currency or asset simply by using a unique username. Long, complicated addresses will be a thing of the past. You will be able to register the same unique username on both blockchains as VeriCoin and Verium private keys and addresses are interchangeable across both chains.

Cipher



Usor



Artis



Stratum



Gemini



Mobile

Apps



Project

Social



VFEndownxxnHea9mv59kZx8c7TysGbndYx

Sally



John

VG7LVW8zoRJqWkijBPpnhmmnucooCQ3ktJ



WHAT IS ARTIS?

Artis is an on chain decentralized anonymous exchange between VeriCoin and Verium

Trading your VeriCoin for Verium or your Verium for VeriCoin anonymously, without the need for a third party. Artis allows roundtrip trading and will allow users to obfuscate their own funds with unlinked transactions and start fresh addresses. VeriCoin and Verium share private keys and wallet addresses allowing you to send to the same addresses on the VeriCoin and Verium blockchains.

Cipher ○

Usor ○

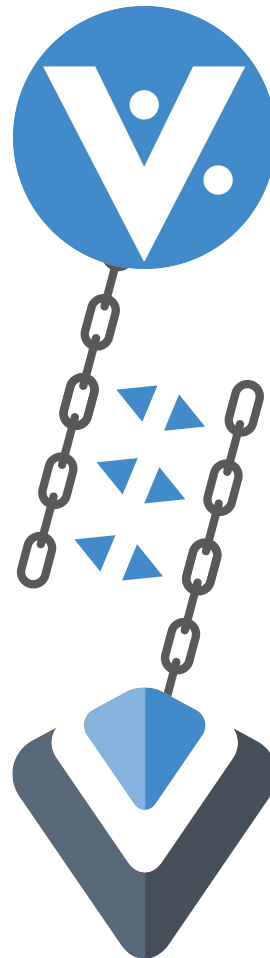
Artis ●

Stratum ○

Gemini ○

Mobile Apps ○

Project Social ○



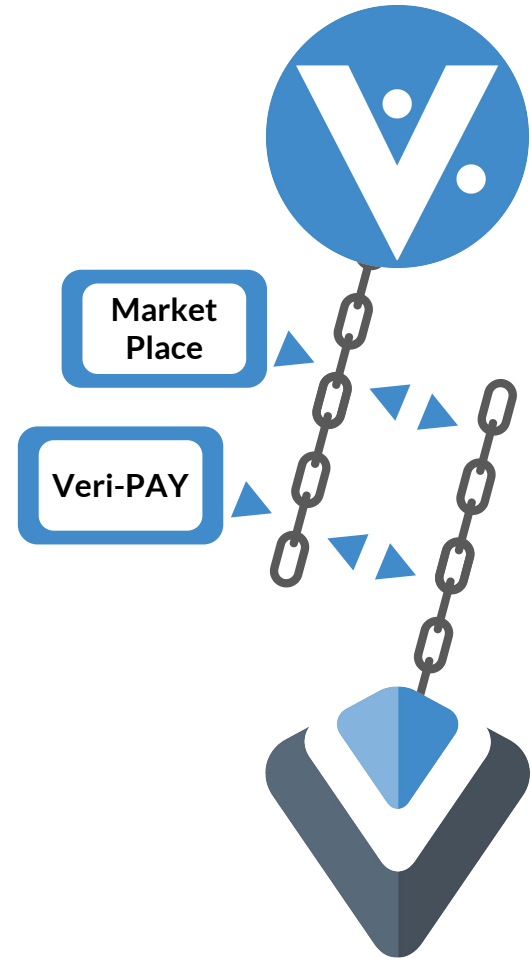
WHAT IS STRATUM?

Stratum is a communications layer built on top of the VeriCoin blockchain.

A json-based API allows communication between external distributed applications, smart contracts, and other blockchain powered systems.

Some potential applications:

- **Veri-PAY** - would allow you to load your VeriCoin wallet with a Debit card or Credit card. Veri-PAY will also allow you to tap pay at VISA and Mastercard payment terminals using the mobile app.
- **The marketplace** would be a fully decentralized merchant portal for the VeriCoin network. Allowing you to bid on or sell items that are posted on the network.



Cipher ○

Usor ○

Artis ○

Stratum ●

Gemini ○

Mobile Apps ○

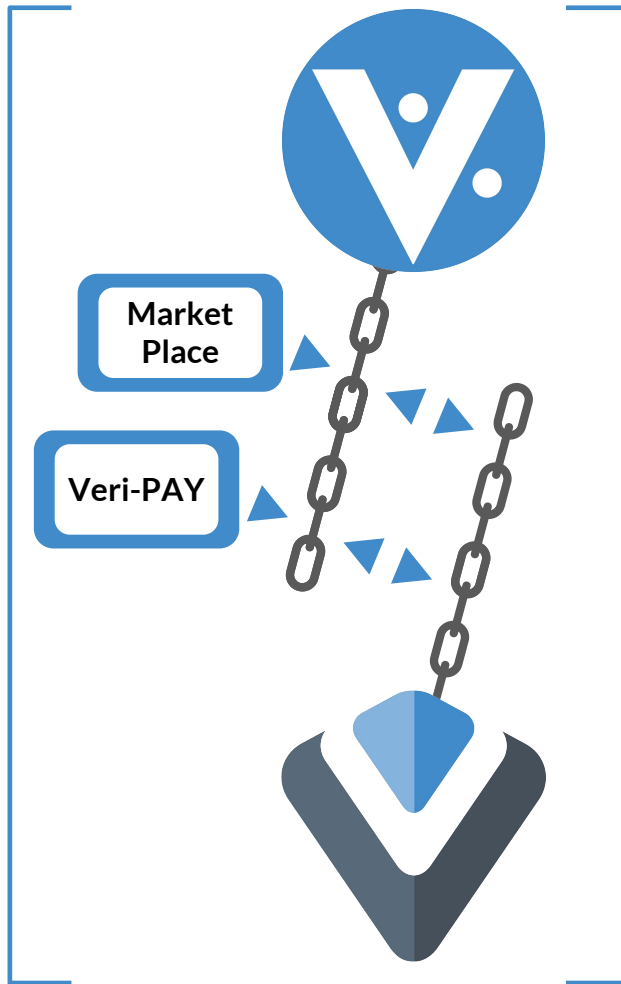
Project Social ○

WHAT IS GEMINI?

Gemini is the merging of both blockchains into one full featured wallet.

The Gemini wallet will allow you to stake your VeriCoin and mine your Verium at the same time.

The Gemini wallet will merge all VeriCoin and Verium technologies into one easy to use package. It will allow you to communicate, trade, and participate in a fully decentralized and encrypted environment.



Cipher ○

Usor ○

Artis ○

Stratum ○

Gemini ●

Mobile Apps ○

Project Social ○

THE MOBILE WALLETS

Cipher ○

Usor ○

Artis ○

Stratum ○

Gemini ○

Mobile Apps ●

Project Social ○

The VeriCoin mobile wallet will allow you to stake on the go or while you sleep and make mobile payments with VeriCoin.

With VeriCoin's efficient use of power, low computational consumption and instant payments you will always have your VeriCoin ready to spend.

The Verium mobile wallet will allow you to mine from your mobile device. By default it will mine while charging and on wifi or schedule the app to mine while you sleep. With smartphone processors becoming more powerful, Verium will have the world's largest mining network spanning the globe. Allowing anyone with a smartphone to participate in the mining network and mining a digital asset while they sleep.

Both mobile wallets will be built for iOS and Android.



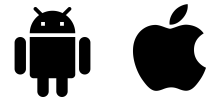
WHAT IS PROJECT SOCIAL?

Project Social is an integrated social media app available on Android and iOS devices.

This application will provide real world application uses to VeriCoin as well as foster a larger more mainstream adoption of the cryptocurrency.

It will enable the use of VeriCoin as a mainstream transaction system and represent a stunning real world use case for VeriCoin. Send money to your friends and family anywhere in the world in an innovative social media network.

This application is just a slight glimpse into the vast and ever growing development ecosystem that is spawned under the advancements of VeriCoin and Verium technology. Welcome to the future of Social Media with VeriCoin. Will be built for Android and iOS.



- Cipher ○
- Usor ○
- Artis ○
- Stratum ○
- Gemini ○
- Mobile Apps ○
- Project Social ●

DEVELOPERS



Douglas Pike - @effectstocause 

- Scientific Programmer at Rutgers University
- PhD student in Quantitative Biomedicine
- Computational Biophysics work includes being the lead developer of a novel protein design software library, as well as an author of numerous scientific publications
- Doug and Pat are co-inventors of a process to discover influenza therapeutics



Dr. Patrick Nosker - @pnosker 

- PhDs in Biochemistry and Quantitative Biomedicine
- MS in Computational Biology and Molecular Biophysics
- Patrick holds several patents and works in Finance



DEVELOPERS



Benjamin Mahala - @verilisk 

- Studied Chemistry as an undergraduate at the University of Missouri Science and Technology
- Currently pursuing a degree in Theoretical and Computational chemistry at John Hopkins University
- CTO and co-founder of CryptoVest Financial Services, a startup based in London



David Boehm - @VeriCoinDev3 

- MS in Computer Science
- Previously worked for Department of Defense as a software developer
- Currently is working for a large software company based near Seattle as a Software Development Engineer for a cloud based computing group



3rd Party Developers

Project Social



Will Maddock - @Will_Maddock 

- VeriCoin Community Member since 2014
- 20 years experience managing and implementing global IT projects
- Worked for top tier tech companies



MARKETING FIRM



Kevin Alvarez - @bluelynxmarketing
Chief Marketing Strategist

[Bio](#) [f](#) [t](#) [in](#)



Michael G. Barrett - @michaelgbarrett
Creative Director

[Bio](#) [f](#) [t](#) [in](#)



VeriCoin Wallet



[Windows 32-Bit](#)



[Mac OS 64-Bit](#)



[Linux 64-Bit](#)

[Linux 32-Bit](#)

GitHub

[Source](#)

Verium Mining Vault



[Windows 32-Bit](#)



[Mac OS 64-Bit](#)



[Linux 64-Bit](#)

[Linux 32-Bit](#)

GitHub

[Source](#)

We would like to thank you for your time and informing yourself about how VeriCoin and Verium will change the world's financial landscape.

WELCOME TO THE FUTURE OF PERSONAL FINANCE.

www.vericoin.info

