



Flux

1. What is Flux?

Flux is a UTXO based blockchain that powers all of the Flux ecosystem, including the world's first decentralized network of computational nodes capable of running decentralized, docker-deployed applications. The Flux decentralized cloud network - Web3 - is the largest and strongest decentralized infrastructure in the world.

2. What makes Flux unique?

Decentralization is essential for the Flux Web3. There are many projects calling themselves "Web3" but they use centralized infrastructure, that means they are not decentralized and applications running on them are prone to being impacted by 'single point of failure' as centralized data centers experience downtime, which is constantly happening in centralized clouds. Flux is the first truly decentralized Web3 infrastructure, with no single point of failure and 100% uptime.

3. The power of Infinity Contracts

Flux Infinity Contracts (applications on Flux) solve many existing issues of current smart contracts as we know them. Developers can write their Infinity Contract in any language they want and their application can do just about anything. If they simply dockerize it, Flux can run it! There are no hardware limitations, applications can use multiple cores and store gigabytes of data. They are upgradeable, scalable, running on multiple node servers and can't be down. If one node goes down, the app gets spawned on another node automatically! Application owner is able to specify a geographical region where his app is supposed to be spawned. The Flux application users themselves don't pay any gas chain for using any applications running on Flux.

4. The Flux ecosystem

The Flux ecosystem is devoted to empowering everyone to develop, deploy and use the decentralized Internet of the future: Web3. At this moment the Flux ecosystem consists of: a native, minable POW cryptocurrency (\$FLUX), a powerful decentralized computational Flux Network (FluxNodes), a Linux based operating system (FluxOS), the premier digital asset platform (Zelcore) and, finally, the Flux blockchain for on-chain governance, economics and parallel assets to provide interoperability with other blockchains and DeFi access.



5. The Flux Asset

Flux is a fair launched project without any Venture Capital, Private sale or ICO/IDO allocations. The native currency FLUX has a number of uses including purchasing resources, collateralizing nodes and fuelling transactions on FluxOS, as well as rewarding both miners and FluxNode operators for providing computational resources. Its consensus is POW with its own modified Equihash I25_4 algorithm to make it ASIC resistant. In addition to its POW consensus, there are so-called FluxNodes, which are highly computational Masternodes powering the Web3 Cloud of Flux. The total block reward is equally shared in half between the Proof-of-Work Miners and FluxNodes.

Supply

There will only ever be 440 million FLUX. The 440 million can reside on any of the parallel asset chains or on the native Flux chain as they are able to move between chains, so while the circulating supply will be distributed across many chains, the maximum supply will always be 440 million. Current (2022/10) circulating supply is 278,568,694 FLUX; 114,900,000 FLUX of which is locked in Flux nodes.

What is the block reward?

The block reward is divided by 50% POW and 50% to FluxNode operators. A mining block currently carries a reward of 37.5 Flux. For each block 37.5 Flux are also distributed to node operators in a deterministic round robin system with the reward being split between three node tiers. As more nodes join a tier the time between rewards grows as the 'queue' in the round robin system grows longer. This ensures a fair, transparent and predictable reward distribution to FluxNode operators. Both miners and node operators earn additional rewards through parallel mining which is the distribution of Flux parallel assets, this essentially doubles the block rewards, although the distribution of the unreleased parallel assets doesn't occur until their release.

The First Decentralized Distribution Dapp-Server Network

FluxNodes

6. What are Flux nodes?

The Flux Web3 is powered by individual Flux holders running FluxNodes. These FluxNodes are geographically-spaced all over the world, so developers can be assured that their apps are accessible by users at all times and locations. Flux node operators have the option to choose setting up their node on their own hardware or they can use a VPS. Also they can use several node providers such as Hostnodes or GoldieTech nodes that run home-hosted nodes for anyone on their hardware. With currently 15,500 nodes Flux is the biggest decentralized network in the world.

What are the Node Tiers?

Cumulus	Nimbus	Stratus
1000 FLUX	12,500 FLUX	40,000 FLUX
• 2 Cores	• 4 Cores	• 8 Cores
• 4 Threads	• 8 Threads	• 16 Threads
• 8 GB RAM	• 32 GB RAM	• 64 GB RAM
• 220 GB SSD/NVME	• 440 GB SSD/NVME	• 880 GB SSD/NVME
• 180 MB/s DWS	• 180 MB/s DWS	• 400 MB/s DWS
• 240 EPS Min. Requirements	• 640 EPS Min. Requirements	• 1520 EPS Min. Requirements
• 25 Mb down/up speed	• 50 Mb down/up speed	• 100 Mb down/up speed
VPS and ARM64 compatible	VPS and ARM64 compatible	VPS compatible
Deterministic Block Reward 7.5%	Deterministic Block Reward 12.5%	Deterministic Block Reward 30%

This collateral isn't locked and belongs to users. Flux node operators are able to delete their node and sell collateral whenever they want. Current rewards for running a node can be seen on the FLUX dashboard – www.home.runonflux.io.

The only blockchain that powers scalable, Decentralized DApp Infrastructure.

15,000+ Locked Validator Nodes
68 Countries Across the World
6,350.00 TB+ Server-grade SSD
100,000+ vCores
275.00 TB+ RAM
7,000+ Unique Instances
10,000+ user API Calls/Min



Fair Distribution
POW, GPU mining distribution since project inception in 2017. Asic/fpga immune.

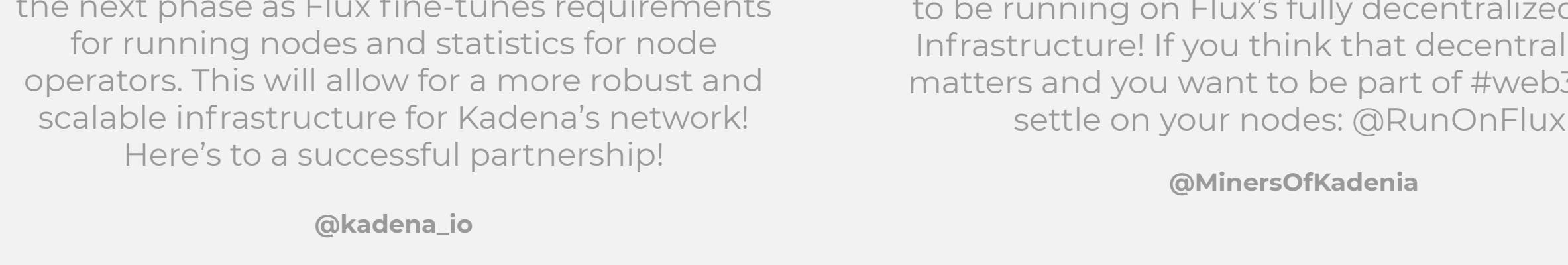
FLUX Token Allocations

94.7% is owned by users
2.9% Flux Foundation
1.7% Exchange Listing/Liquidity
0.7% Flux Team

World's First Decentralized Web3 Infrastructure

Zelcore
Flux infrastructure supports a world-class 500+ asset multi token wallet.

Trusted by our Partners



We've taken our partnership with @RunOnFlux to the next phase as Flux fine-tunes requirements for running nodes and statistics for node operators. This will allow for a more robust and scalable infrastructure for Kadena's network! Here's to a successful partnership!

@Kadena_io



We are thrilled to be the first GameFi on Kadena to be running on Flux's fully decentralized cloud Infrastructure! If you think that decentralization matters and you want to be part of #web3. Don't settle on your nodes: @RunOnFlux!

@MinersOfKadena

7. Useful Staking - Titan nodes

Recently Flux introduced Titan on-chain staking. The Titan nodes are powerful Stratus tier Flux nodes operated by experienced Flux node operators. The Titan nodes leverage Lumen Technologies infrastructure to create attractive and powerful hosting solutions for Enterprise clients. To keep things decentralized, community providers have stepped up and stood up servers for Titan as well. To participate, all you need is to have 50 Flux in the official Zelcore wallet for the minimum Titan collateral. Via Zelcore, you will be able to lock your Flux in a 3, 6, or 12-month stake and participate in a shared Titan node on the FluxOS marketplace. After this time, you will have your collateral unlocked along with your staking rewards.

8. Parallel Assets

Besides its native coin, Flux is also available at multiple other blockchains via its parallel assets. They allow Flux to be interoperable with major blockchains, grant access to DeFi services and enable developers to run any application on other blockchain, thanks to the software's cross-compatibility.

To date, seven parallel assets (KDA, ETH, BSC, SOL, TRX, AVAX and ERG) have already been created and distributed to Flux holders via airdrop, with three more to come.



9. Proof-of-Useful-Work Consensus

Flux actively seeks ways to build a more sustainable and environmentally friendly blockchain and cloud computing. Flux partnered with the Western Switzerland University of Applied Sciences in Geneva to develop an innovative new consensus to further leverage its network - PoUW.

The PoUW consensus is the solution to the criticism of the Proof of Work consensus due to its high energy consumption by securing the blockchain. It ensures that the computational power is used for solving real-world problems while securing the blockchain simultaneously. Flux is developing it for all POW blockchain projects to protect the environment.

FAIR, Community Distribution

All Flux token supply has been distributed through GPU-POW. ZelHash (Flux's unique consensus-algo) is ASIC/FPGA immune.

Fair Distribution

Flux has always been a proof of work distribution, with a percent of those POW rewards allocated to node operators.

Non-Profit Foundation Development

Flux utilizes a small foundation fund, created in 2018 to fund ongoing development

Community

Flux has a vibrant developer community with over 120,000 followers on Twitter.

No Insider Distribution

Flux has never raised funds through private-sales, IPOs, hedge funds, private-equity, or other non-community based initiative.

10. What is Zelcore?

Zelcore is built on one multi-asset/protocol platform that gives consumers access and visibility to the entire blockchain universe from one place. Whether it's buying and storing crypto, trading and swapping assets across any protocol and exchange, and using DeFi applications, Zelcore makes it simple.

Zelcore supports over 60 blockchain protocols, 450+ coins and tokens with the ability to import over 50,000 tokens, the most of any multi-asset wallet. It has indexed more than 1,000 trading pairs and connects to the markets that allow consumers to get the best price execution possible.

Exchanges



The First Decentralized Distribution Dapp-Server Network

FluxNodes

6. What are Flux nodes?

The Flux Web3 is powered by individual Flux holders running FluxNodes. These FluxNodes are geographically-spaced all over the world, so developers can be assured that their apps are accessible by users at all times and locations. Flux node operators have the option to choose setting up their node on their own hardware or they can use a VPS. Also they can use several node providers such as Hostnodes or GoldieTech nodes that run home-hosted nodes for anyone on their hardware. With currently 15,500 nodes Flux is the biggest decentralized network in the world.

What are the Node Tiers?

Cumulus	Nimbus	Stratus
1000 FLUX	12,500 FLUX	40,000 FLUX
• 2 Cores	• 4 Cores	• 8 Cores
• 4 Threads	• 8 Threads	• 16 Threads
• 8 GB RAM	• 32 GB RAM	• 64 GB RAM
• 220 GB SSD/NVME	• 440 GB SSD/NVME	• 880 GB SSD/NVME
• 180 MB/s DWS	• 180 MB/s DWS	• 400 MB/s DWS
• 240 EPS Min. Requirements	• 640 EPS Min. Requirements	• 1520 EPS Min. Requirements
• 25 Mb down/up speed	• 50 Mb down/up speed	• 100 Mb down/up speed
VPS and ARM64 compatible	VPS and ARM64 compatible	VPS compatible
Deterministic Block Reward 7.5%	Deterministic Block Reward 12.5%	Deterministic Block Reward 30%

This collateral isn't locked and belongs to users. Flux node operators are able to delete their node and sell collateral whenever they want. Current rewards for running a node can be seen on the FLUX dashboard – www.home.runonflux.io.

Follow us

runonflux.io home.runonflux.io twitter.com/RunOnFlux discord.io/runonflux

facebook.com/runonflux

t.me/runonflux

github.com/RunOnFlux

youtube.com/c/ZelLabs

reddit.com/r/Flux

Official

[FluxOfficial.medium.com](https://medium.com/@FluxOfficial)

linkedin.com/company/flux-official

twitch.tv/runonflux

instagram.com/runonflux_official

tiktok.com/@flux_runonflux