



fantom

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OVERVIEW

Fantom is a fast, scalable, and secure layer 1 platform built on an aBFT consensus mechanism. This means that network data can be processed at different times. It utilizes a PoW consensus.

It is the world's first Directed Acyclic Graph (DAG) based smart contract platform.

Fantom works by recognizing the limitations of the current blockchains in the crypto world and planning on how to overcome them. With one of the biggest ones being the blockchain trilemma of only being able to accomplish 2/3 (decentralization, security, scalability)

1. Permissionless
2. Decentralized
3. Open source

Mainnet launch: December 2019

Fantom Key Metrics:

Token price of FTM:	\$2.75
High:	\$3.46
Low:	\$0.00190227
Market cap:	\$7,013,072,780
Market cap ranked:	#27
Total volume locked:	\$109,435,777
Trading volume:	\$1,629,060,850
Max supply:	3,175,000,000



OVERVIEW

Fantom has achieved widespread growth. Expanding from 50 projects just a few months ago to now over 200 protocols being supported, with big names in the mix.



FANTOM ECOSYSTEM

NFT/Meme/Gaming

- Chunk NFT
- Uman
- FANTOM CHIPS
- EDGE ART
- Nybble Labs
- Gantom Stones
- Pokenomy
- BITGEM
- Fantom Punks
- DUNGEON RAIDERS
- SuperFarm
- RABY BOO
- SY.FINANCE
- PORTALHEARTS
- FantomDiamond
- MowsePack
- FTMSkulls
- Etherbloom
- PROJECTMARS
- FANTUMS
- Just Fours
- Fantom Wheelz
- Phantagma
- HOGI

Wallet

- phantom
- COIN98
- Math Wallet
- BitKeep
- D'CENT
- METAMASK
- Ledger
- WalletNow
- imToken
- Trust Wallet
- OKEX
- TOKEN POCKET
- coinbase | Wallet
- SHIELD PROTOCOL

Launchpad

- tosdls
- FantomStarter
- SUN FINANCE
- Launchpool
- Fantom Oasis
- Presale

Stablecoin

- tether
- USD Coin
- Tomb Finance
- DAI
- IODONE
- Frax
- TrueUSD
- Fantom USD
- StakedStack
- PERACONDA MONEY

Bridge

- clover
- EVODFI
- Ren
- xPollinate
- ANY SWAP
- Gravity
- multichain.xyz

Infrastructure

- ORION
- Ankr
- FUSION
- V-ID

Oracle

- Chainlink
- MODEFI
- API3
- Keep3r Network

Data

- the graph
- Covalent

Privacy

- suterusu
- ONTology

Payment

- Travala.com
- coti

DeFi

- Curve
- .R.E.A.M.
- SushiSwap
- AAVE
- Liquid Driver
- SpookySwap
- ZooCoin
- INJECTIVE PROTOCOL
- ubi+
- waves
- Multi Chain Miner
- ProcyonSwap
- OpenOcean
- GRIM FINANCE
- yearn.finance
- COVER
- SpiritSwap
- MAKA SWAP
- UniLend
- SHADE CASH
- PaintSwap
- GasBack.Tech
- ONYX FARMS
- Singular
- NarwhalSwap
- UNIDEX
- Froyo
- APESWAP
- Popsicle FINANCE
- retreeb
- Ester.Finance
- Ape Tax
- Liquity.fi
- Laika Protocol
- Ghostswap
- paprprintz.finance
- Wraith
- craviton
- Empire Chain
- Aquarius
- LIMITSWAP
- FlowerSwap
- HODP
- beefy.finance
- Saves Finance
- SUPRA
- FinSwap
- MEOWSWAP
- CYBER NEKO
- FIDSWAPDEX
- Tarot
- RYVIEW
- basdswap
- VAXP
- Frankenstein
- OPERA SWAP
- CasperDefi
- bomb
- Geist
- Potluck Protocol
- Firebird Finance
- YUMFEMS EARN
- StrangeBrew
- TRISTEM FINANCE
- BORGSWAP
- ShibaSwap
- COUGAR SWAP
- The Greenhouse Farm
- MUSHROOM
- POKY FINANCE
- estec.finance
- meso.finance
- GalaxyFinance
- mini.finance
- Elk Finance
- Kitten.finance
- THE DAO
- ZEPI
- nem
- Fantom BitBean
- Timechain
- ROYN
- JETSWAP
- PearZap
- sapphire defi
- kogecoin
- Prism Network
- Timechain
- OliveSwap
- KAVIAN
- MENSA
- beethoven-x
- Casper
- SoulSwap
- Synapse
- WOOX



FANTOMIANS

Updated: Oct 27th, 2021

@Fantomians_



Fantom's Two Core Technologies:

1. Lachesis protocol: the core consensus layer, providing security to multiple other layers.
2. Opera: an application development layer

DAG (Directed Acyclic Graph)

Is a fast and flexible next generation blockchain. Which is a bunch of computers in a network that talk to each other about transactions and they agree on the ledger and what data to support over time.

Since each node can have more than one parent root, the model allows for more transactions to be validated simultaneously. This is because users do not have to wait for transactions to complete before processing a new one.

Three-Layer Blockchain

1. First layer is the Opera Core Layer, its function is to maintain consensus through the nodes.

(This is the DAG layer of Fantom and this is the means by which different transactions across the network can be confirmed simultaneously.)

2. The middle layer of the protocol is the Opera Ware Layers and it executes functions on the network. It issues rewards, payments and manages the 'story data' of the network.

(The story data tracks the past transactions of the network.)

3. The final layer is the application layer. This layer maintains the public APIs that enable Dapp developers on Fantom to interact with their Dapps.



TOKENS

There are three forms of Fantom coins:

The FTM token that runs on the Fantom mainnet; an ERC-20

FTM token that runs on the Ethereum blockchain

A BEP-2 FTM token on the Binance Chain that facilitates transactions on the Binance decentralized exchange (DEX).

Token Distribution

A total of 3.175 billion FTM was initially issued. The entirety of the supply, including staking rewards, was minted at launch.

- 40% was allocated to Public and Private Sale investors, including private sale bonuses.
- 15% was allocated to advisors, with a 3-months lockup.
- 10% was allocated to the founding team. This allocation features a 24-months vesting period with monthly-cliffs.
- 3.6% was allocated to a strategic reserve. Those FTM have no vesting schedule.
- 31.4% was reserved for staking rewards, to be distributed daily until 2024.



INCENTIVES

Fantom Offers

sFTM at a 1:1 ratio to staked FTM and used as collateral
fUSD: fantom stable coin pegged to the dollar
fLend: a liquidity pool from which users can lend or borrow

fTrade – It enables the Trading of Fantom-based assets without the need to exit the wallet. This makes it a fully decentralized and non-custodial AMM exchange.

fMint – Information of several synthetic assets can be validated (mint) on Fantom. These synthetic assets include; national currencies, cryptocurrencies, and commodities.

fLend – one can borrow and give out digital assets to earn interest through trading and not lose exposure to FTM.

Liquid Staking – Staked (FTM) tokens serve as collateral for Defi apps. All FTM commissions are liquid (can be converted to other assets) within the Fantom Ecosystem.

Rewards range between 4% – 13% APY.

EVM (Ethereum Virtual Machine) compatibility
Developers can either build on top of the existing Fantom ecosystem or integrate with Lachesis algorithm

Investors:

\$40 million in total funding over two rounds. Latest funding was raised Jun 22, 2018.

12 investors:

Signum Capital
Obsidian Capital
Nirvana Venture Advisors
DHVC
8 Decimal Capital
JRR Group
Bibox Fund
Arrington XRP Capital
Elysium Venture Capital
Link VC



2021 STATUS

Daily transactions on Fantom increased by 18,650% (4,000 - 750,000)

Unique addresses increased by 29,832% (5,040 - 1,508,580)



TEAM

Two big names in the DeFi space have announced a collaboration to launch a project on the Fantom blockchain.

Daniele Sestagalli

The brains behind several high profile protocols.

Launched Wonderland on Avalanche blockchain.

Launched issuance protocol Abracadabra.

Currently working on Popsicle Finance, a multi chain yield aggregator.

Andre Cronje

Veteran DeFi software developer.

Launched the blue chip DeFi protocol Yearn Finance.

Launched Keep3rV1 a DevOps automation protocol.

Chairman of the Fantom Foundations Technology Council and technical advisor.



2022 PROJECTS/ GOVERNMENT

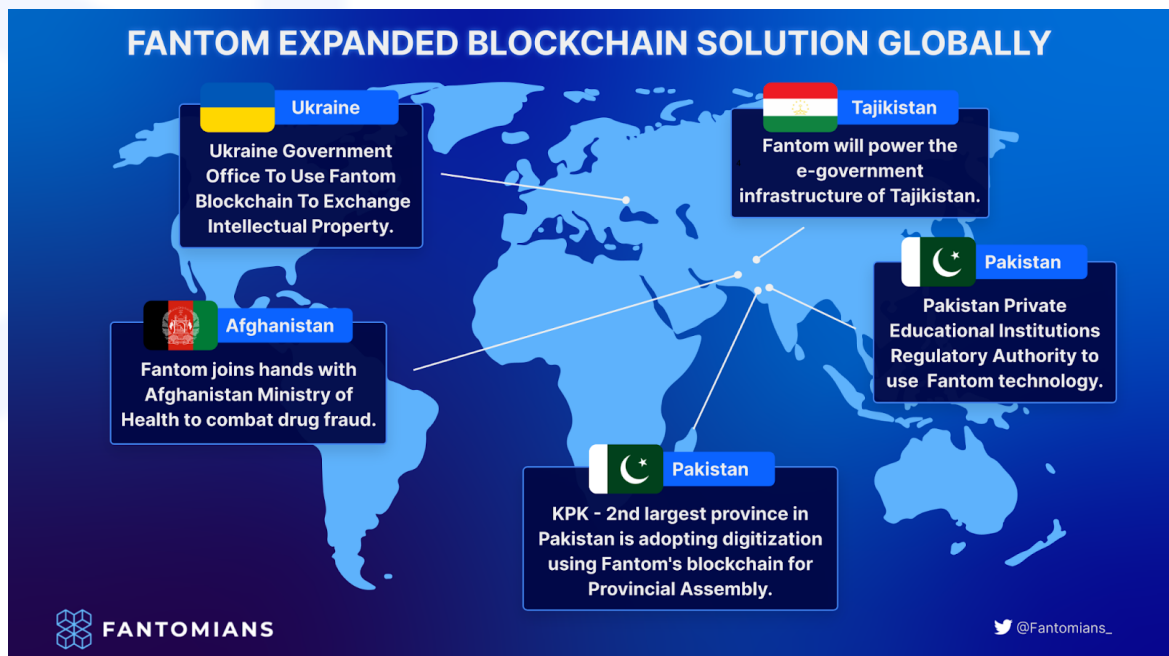
The Pakistan Private Educational Institutions Regulatory Authority (PEIRA) and Fantom have signed to implement custom blockchain Enterprise Resource Planning (ERP) software. The two partners will explore widespread implementation of Fantom solutions.

Fantom's blockchain-based IT solutions will power Tajikistan's e-government infrastructure.

The Fantom team will also explore Central Bank Digital Currencies (CBDC) in Tajikistan.

Fantom's pharmaceutical tracking program in Afghanistan will be introduced on a national level in Afghanistan to track 210 million pharmaceuticals and protect people from potential health risks related to counterfeit products. Afterwards, the program will expand to India, Pakistan and Bangladesh.

8BIT WORLD, a game where you can own land, complete dungeons and farm tokens, is collaborating with Fantom who will be building out the Play-To-Earn metaverse for them. With 57 full time game designers which many have worked in top crypto projects, shows the strong team behind this game. Plan to launch Q2 this year.



DEVELOPER INCENTIVES

Requirements:

The reward tiers are:

Tier 1: 500,000 FTM

Tier 2: 900,000 FTM

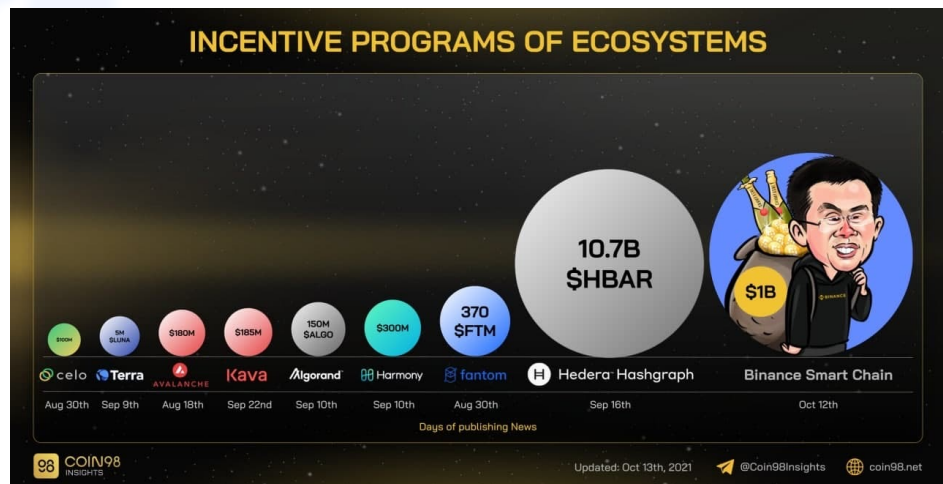
Tier 3: 2,500,000 FTM

Tier 4: 6,000,000 FTM

Rewards Distribution

Once the Foundation has approved an application, a two month cliff begins:

- Awards are vested monthly over 12 months.
- If the protocol TVL falls below \$5M during the vesting period, vesting is paused until minimum TVL is regained.



No restrictions on how awards may be used – whether to build the protocol or even for liquidity mining.

The purpose of this incentive program is to support the Fantom ecosystem.

Audits

Fantom Audits:

June 2018 version 1.0 smart contract passed

June 2018 Version 2.0 smart contract passed



VALIDATORS

Validator Parameters

Minimum stake: 500,000 FTM

Maximum validator size: 15x the self-stake amount

Must hold 1 million FTM in a network wallet to qualify.

<https://ftmscan.com/validators>

Looking at those validators it only shows 51 active with 16 inactive.

According to the AMA session that Binance hosted Fantom on, they plan to utilize a couple hundred in the near future.

Which I can see a more decentralized aspect then. Even if more validators sign on this effect transaction speeds or costs which is Fantoms bread and butter.

FTMs mainnet stopped for 7 hours on Feb 25, 2021 because two large nodes that controlled 33% of the stake slowed down. Since then governance has made changes to limit node size to address this vulnerability.

100% Slashing policy: if a node misbehaves, 100% of all that nodes staked FTM is taken as a penalty fee.

COMMUNICATION

Biggest Communication Avenues:

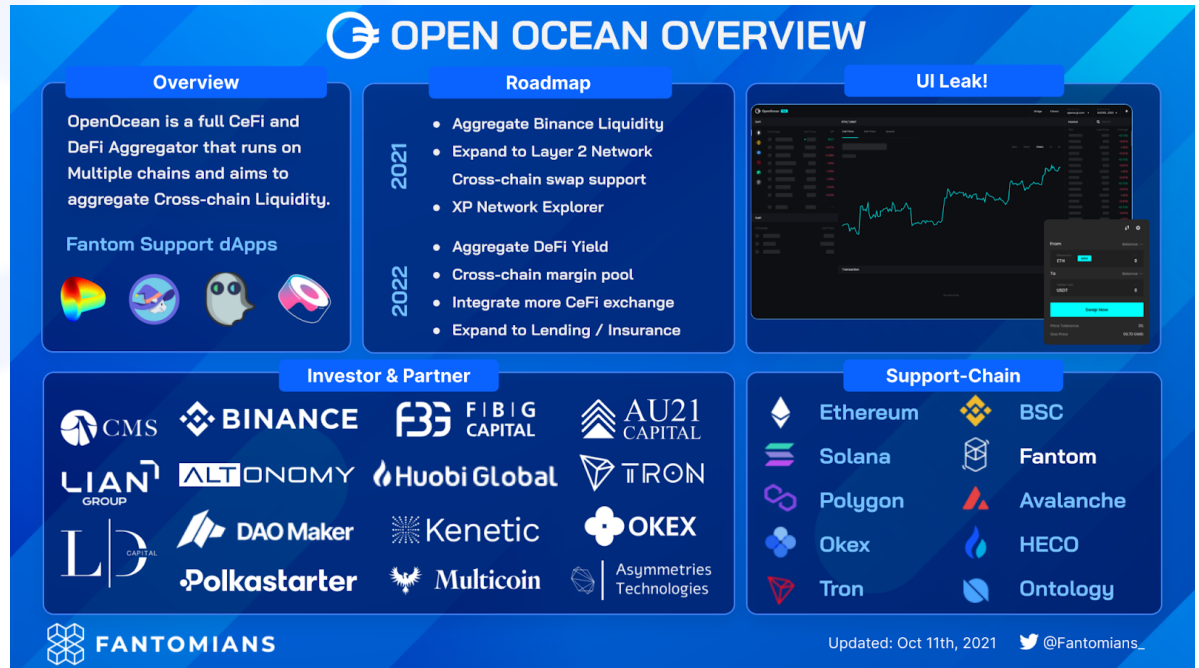
Twitter, Telegram, Github, and utilizing sponsorship as a way of advertisement.



FUTURE PROJECTS

The upcoming project involves some variation of the game theory from the OlympusDAO protocol and merges it with the vested escrow concept created by Curve Finance.

Fantom recently expanded \$370 million of liquidity mining incentives to GameFi projects which puts a possibility of becoming a Metaverse or NFT related project which they will be working towards.



Open Ocean is a aggregator which runs on multiple chains to generate cross chain liquidity.

Open Ocean is one of the largest Yield Aggregators for both DEXs and CEX.

Fantoms yield aggregator has been extremely well designed section.

15 different investors and partners surround this project.

Fantom is 1/10 chains that support Open Ocean.

Future plans are as follows:

1. Aggregate DeFi Yield
2. Expand to lending/Insurance
3. Cross chain margin pool
4. Integrate more CeFi exchange



FUTURE PROJECTS

NFT:

Arton is a NFT Marketplace built by Andre which has launched on the Fantom Opera blockchain.

Arton features:

1. Anyswap support NFT Bridge on Fantom.
2. Cost is only 1 FTM to mint NFT.
3. next to zero transaction fees.
4. Fast transaction speeds.
5. Zero commission

Competition:

1. Ovre
2. X

All of them are still lacking usable products, the first mover in the space can gain a huge advantage.

Fantom NFT section currently consists of NFT Collectibles. They are still working on NFT games.



FINAL THOUGHTS

I think Fantom along with Solana and Polygon are powering the growth of the decentralized finance area.

Great adoption of unique addresses.

Growing ecosystem.

Incentive program is amazing!

Good architecture! 4,500 TPS, 1 – 2 seconds finality and low fees. EVM compatible and governance does a great job allowing people to vote with different ratings.

Still seems very centralized until more nodes get on the network.

Already had a problem with Fantom network which caused a 7 hour blackout. Two of the biggest validators had technical difficulties.

Promised 300,000 TPS and toned it down to 4,500 TPS.

Risky situation dealing with governments in war zone areas.

