


Project	Filecoin			Coin	FIL	Main Chain	Filecoin	Icons		Block explorer	https://filfox.info/en		
Twitter	https://twitter.com/Filecoin			Whitepaper	https://filecoin.io/filecoin.pdf		Discord	https://discord.gg/ipfs			Git Hub	https://github.com/filecoin-project	
Linkedin	https://www.linkedin.com/in/jbenetcs/												
Official Website	https://filecoin.io	Total number of issues	20 billion	Trade Feature		2020-10-15	Hot Index	★★★★☆	Listed in main network	Yes	Availability of airdrops	unavailable	
Hot spots and keywords	<ol style="list-style-type: none"> 1. POR, POS; 2. Distributed Computing; 3. DEX; 4. Data Service; 5. Cloud Services; 6. Flow Ecosystem; 7. Web3; 8. Coinlist; 				Secondary market liquid (non-exchange)		Yes	Investment Institutions and Capital		Winklevoss Capital is leading the investment, Pantera Capital, Placeholder Ventures, Sequoia Capital, Blockchain Capital, Digital Currency Group (DCG), Union Square Ventures, Winklevoss Capital and Y Combinator etc are participated.			
Team information background and news	<p>Filecoin is a blockchain storage network developed by Protocol Labs, a company dedicated to creating open source, open services and open networks with the goal of improving the security and availability of the Internet. Their other projects include IPFS (InterPlanetary File System), libp2p, IPLD, etc;</p> <p>Protocol Labs was founded by Juan Benet, a developer with a master's degree in computer science from Stanford University, who started the IPFS project during his graduate studies. His research interests include distributed systems, information theory and coding theory. protocol Labs team members have a variety of backgrounds and expertise, including distributed systems, networking, storage, cryptography, etc.;</p> <p>The Filecoin project was launched with approximately \$257 million raised through an ICO (Initial Coin Offering), one of the largest ICOs in history. The project was backed by several venture capital firms, including Sequoia Capital, Union Square Ventures, Y Combinator, and others.</p> <p>Last News: 2023/03/14 UTC: Mainnet upgrade, FVM release; 2023/02/02 UTC: Twitter Space AMA 2022/11/30 UTC: v17 Shark Network Upgrade 2022/07/13 UTC: Quarterly Public Meeting</p>												
Project Description	<p>Filecoin is a token on IPFS, and Filecoin is a way to reward miners by contributing unused hard drives. Filecoin uses a new algorithm (proof of work). Simply put, the more hard drives you have, the more Filecoin rewards you get.</p> <p>The full name of IPFS is Inter Planetary File System, generally translated as "Interplanetary File System", which was proposed by Protocol Lab and is a peer-to-peer (P2P) distributed file system.</p> <p>But although it is a file system, a technology used to store data, more precisely IPFS is a transport protocol. IPFS treats HTTP as a rival and advertises itself against HTTP, which is one of the most commonly used transport</p>												

protocols today. HTTP is an irreplaceable service that we now rely on to access the Internet, but there are some problems with HTTP, such as not very efficient performance, excessive reliance on central servers and The backbone network, etc.

IPFS, by contrast, is a polycentric solution, where content is addressed not by domain name, IP, but by a unique HASH key for data discovery. IPFS is a distributed file storage system, where file data is not stored in a centralized server, but in all eligible computers on the network.

Both IPFS and Filecoin are projects built by Protocol Lab. IPFS is a peer-to-peer, versioned, content-addressable hypermedia transfer protocol that benchmarks the traditional Internet protocol HTTP, which is intended to build a distributed web 3.0.

But IPFS is just an open source Internet underlying communication protocol, and everyone can use it for free. Currently all IPFS nodes provide storage space and also need other nodes to help store their own resources.

In essence, IPFS transforms the original P2P software on-demand download into long-term storage of resources, and long-term storage requires quality of service guarantees, otherwise no user will be willing to store their valuable data or resource content that requires quality of service guarantees in IPFS. Then for a loose IPFS network, users' random exit, uncertainty of network quality, uncertainty of storage geography, uneven performance of hardware resources, jitter of hardware resources' performance, all these problems make IPFS no way to store resources with strong demand for quality of service storage, in other words, no way to use in the commercial field.

Therefore, IPFS uses the incentive mechanism of Filecoin to attract a group of professional storage service providers to provide more professional, secure and stable storage services.

FileCoin's innovative development uses a hybrid consensus mechanism - Proof of Replication (PoRep) + Proof of Time (PoSt) + Expected Consensus (Expected Consensus).

Filecoin is a decentralized storage network based on IPFS, the only incentive layer on IPFS, and is a blockchain technology-based issuance of passwords.

Miners in the Filecoin network can obtain FIL by providing storage and retrieval services to their clients, and conversely, clients can hire miners to store or distribute data by spending FIL.

	<p>Filecoin promotes IPFS through a mechanism of financial incentives, while the Filecoin network needs IPFS to provide ecological support for the development of its market.</p> <p>The more the IPFS network is used, the greater the demand for Filecoin; the more miners for Filecoin, the greater the support for the IPFS network. So IPFS and Filecoin form a symbiotic relationship.</p> <p>Filecoin was created to support the development of IPFS, and IPFS needs Filecoin to enrich its ecology. the more IPFS is used, the greater the demand for Filecoin; the more miners for Filecoin, the greater the support for IPFS.</p>										
Exchanges support deposit and withdrawal	Listed in more than 35 exchanges such as ZKE Exchange	Support trading contracts	Yes	Current Price	\$4.47	Highest Price	\$235.59	Lowest Price	\$2.59	Price Of ICO/IEO	\$5.0
Comprehensive analysis	<ol style="list-style-type: none"> 1. The founding team of the project is very strong, with the future increase in global data volume and ensure security, the storage of distributed computing is very important. Currently major universities, research institutions, including Google, Firefox, etc. have joined the IPFS research; 2. Strong background of investment institutions, basically famous venture capital institutions are involved in the investment; Although ICO was very popular back then, all ICOs can make money, but investment institutions are required to conduct risk analysis and assessment; 3. In 2017 IPFS ICO financing when the price was \$5, the highest price was \$235.59, the gain is more than 40 times; until now the price is \$4.47, has fallen below the issue price; The highest price is in April 2021, in 2021, the cryptocurrency market is as high as the day, and this time point also happens to be the venture capital institutions ICO time for the linear unlocking of the distribution tokens;To get the maximum return, you must first pull up the price and then ship out. The current market is full of players who are trapped at the high end of the price scale and those who have ultimate faith;To pull the price up again, they have to let the FIL out of the hands of the hedgers, which is a long-term process, and the team needs time for the development and perfection of the technology.It is not impossible for FIL to return to the highest price, and it is quite important for the application to gradually improve and become the infrastructure of the Web3 domain; As an example, ETH has been soaring from \$0.5 to the highest price of \$4878, which took nearly 6 years, as long as there is patience and initial intention to get an objective return; 4. From the technical point of view of IPFS: 										

Innovative storage solution: Filecoin is a decentralized internet storage solution based on decentralization. It utilizes blockchain technology and a built-in cryptographic economic model to incentivize participants to store and retrieve data. It is a relatively new and innovative solution that is likely to attract a large number of developers and users.

Strong developer community: Filecoin is developed by Protocol Labs, a team that has been working in the field of open source and decentralized technologies and has built a strong developer community. This means that Filecoin has the potential to stay at the forefront of future technology innovation and application development.

Broad application potential: Filecoin's technical framework gives it the potential to be used for a wide variety of different applications. From data storage and retrieval, to more complex decentralized applications (dApps). This broad application potential is likely to attract more users and developers, further increasing the value of Filecoin.

Positive Market Trends and Developments: Filecoin has demonstrated some positive market trends and developments, such as the FVM Dataverse Hack, and the launch of several other new products and services. These show that Filecoin is continuing to innovate and evolve, potentially increasing its attractiveness in the marketplace

5. The main blockchain projects on the market today regarding storage are SiaCoin, Storj, Arweave; however, they are all storage only projects that enable storage;

6. At present, IPFS needs to solve the problem of the speed of storage retrieval, and as the cost of storage devices and GPU computing decreases and the network exit bandwidth increases, more and more people will participate in the storage node service of IPFS in order to obtain the reward revenue;

So the participation of node miners is also reflected in the price of FIL, similar to how the network cost of bitcoin and ethereum is highly related to the amount of services provided by miners; When miner participation is high, the price will naturally be low. Another solution to the situation where miner participation is high and FIL prices are rising is the increase in storage demand. With the increasing volume of data such as AR, VR, Ultra HD, and Big Data mass computing, globally distributed storage systems will be in demand; Prices on the basis of the current more than ten times dare not hope, but easily a few times no problem;

7. Filecoin's total issue is 2 billion, according to the current price \$4.5 calculation, if all circulation, then the total market value of only 9 billion, when the market value of tens of billions, in the case of the total number of unchanged, the price will naturally rise.

8. Filecoin Token Ecological Distribution Model:

Total Raised

\$ 205,800,000

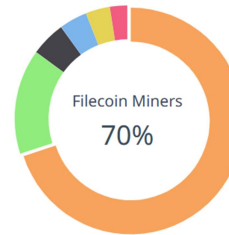
Initial values

FDMC \$ 9,816,641,220 ?

Token allocation

Total supply: 1,963,327,012

Public sale: 41,160,000 (2.10%)



- Filecoin Miners: 70%
- Protocol Labs: 15%
- Filecoin Foundati... : 5%
- Public Sale: 4.03%
- Pre-Sale: 3.47%
- Future fundraising: 2.5%

9. Filecoin Returns By Month Analysis Data:
Filecoin Monthly Returns (USD)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
2023	+73.9%	+23.8%	-12.2%	-4.25%	-17.7%	-	-	-	-	-	-	-
2022	-38%	+1.67%	+11.9%	-40.9%	-44.1%	-33.1%	+82.2%	-41.2%	-1.04%	-4.26%	-18.5%	-32%
2021	-8.96%	+61.2%	+430.3%	-14.7%	-55.7%	-17%	-13.2%	+46.1%	-21%	+7.46%	-16.7%	-36.3%
2020	-	-	-	-	-	-	-	-	-	-80.6%	-2.53%	-19.8%
Average	+8.98%	+28.9%	+143.3%	-19.9%	-39.2%	-25%	+34.5%	+2.44%	-11%	-25.8%	-12.6%	-29.3%
Median	-8.96%	+23.8%	+11.9%	-14.7%	-44.1%	-25%	+34.5%	+2.44%	-11%	-4.26%	-16.7%	-32%

Date: May 23, 2023