

Bitcoin macOS

Bitcoin: A Peer-to-Peer Electronic Cash System

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Abstract. A purely peer-to-peer version of electronic cash would allow transactions to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed but also proves that it came from the largest pool of CPU power.



BITCOIN PDF ON FIVE macOS STORAGE

Report by **Crypto Extraction**



CryptoExtraction

EXTRACTING EVERY CRYPTOCURRENCY

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BTC ON A MACBOOK?

On April 5, 2023, Andy Baio, CTO of Kickstarter, wrote about his research on finding the Bitcoin whitepaper on macOS. He discovered the PDF while fixing his printer and trying to connect the scanner to his Mac. A pop-up of the scanner folder was shown.





WHAT VERSION IS AVAILABLE?

The Bitcoin whitepaper is available on macOS versions starting from Mojave (10.14.0) to the current version, Ventura (13.3). This means that Apple placed the BTC whitepaper since 2018 when Mojave (10.14.0) was published on September 12, 2018. However, earlier versions such as High Sierra (10.13) and before that do not contain the whitepaper



"I've asked over a dozen Mac-using friends to confirm, and it was there for every one of them."

Andy Baio

former CTO of Kickstarter, Waxy.org (Author),
co-founder of the XOXO Festival



HOW TO FIND THE BTC WHITEPAPER?

There are two ways to find it, either through step 1 or step 2.

Step 1

1



Open Terminal

Either from spotlight search, launchpad, or application folders

2



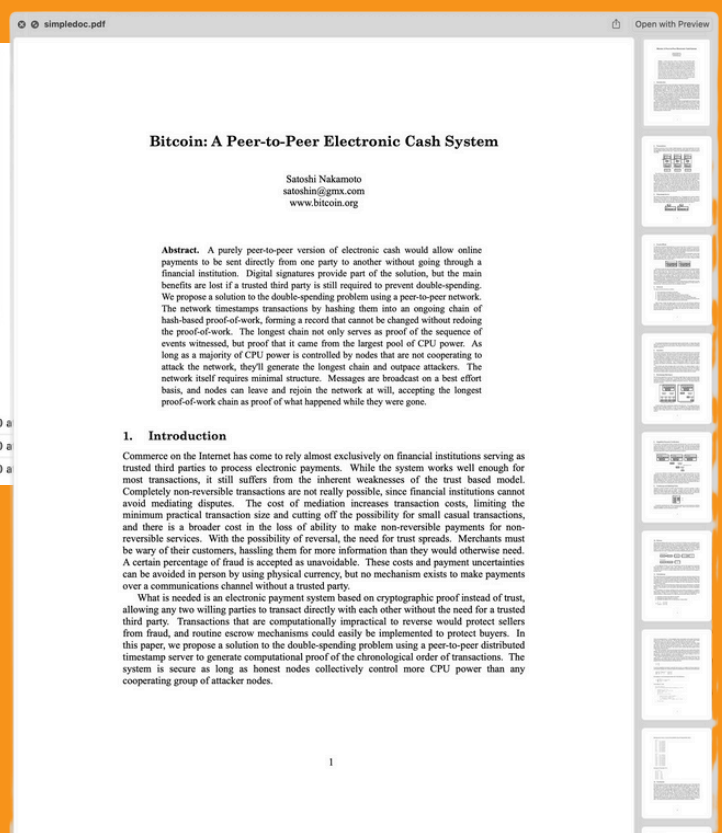
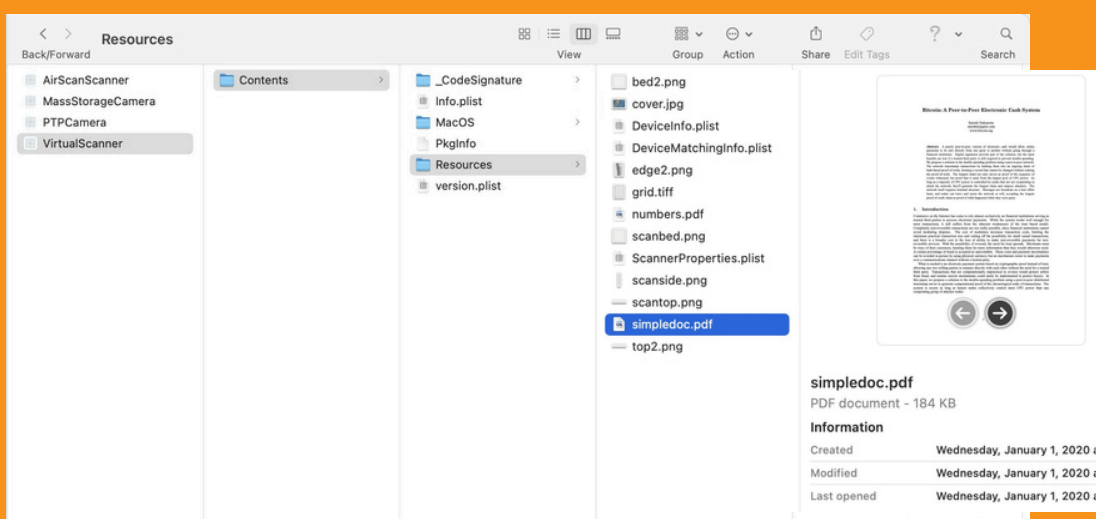
Write this Command

```
open /System/Library/Image Capture/Devices/VirtualScanner.app/Contents/Resources/simpliedoc.pdf
```

Open Terminal icon taken from <http://rocketdockiconskins.web.fc2.com/newmacos024.html>

Step 2

Bitcoin whitepaper named impliedoc.pdf



Follow this step:

Finder window (open) > System folder > Library > Image Capture > Devices > VirtualScanner (right click) > Contents. > Resources > find impliedoc.pdf, and click it

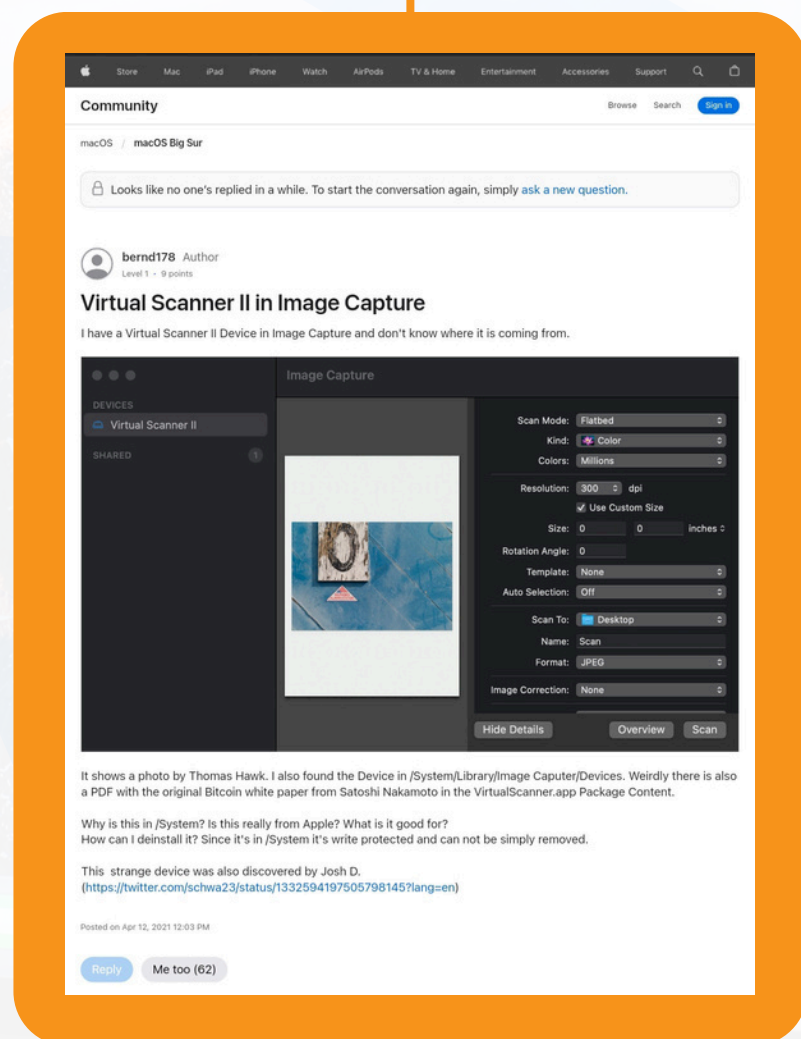
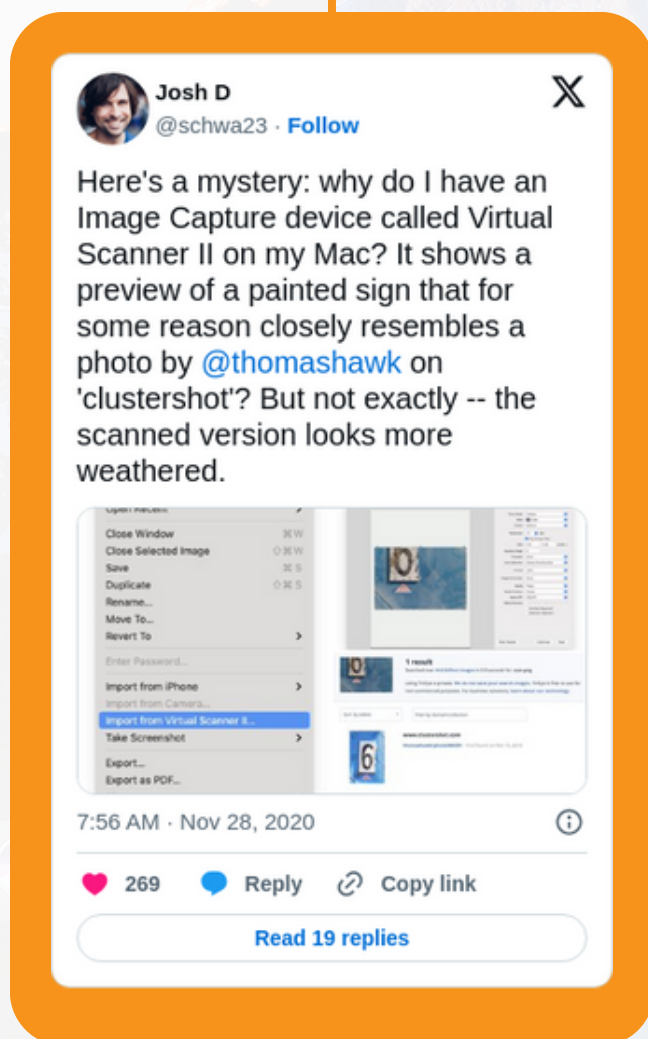




ANDY BAIO WAS NOT THE FIRST!

1

2



Based on the timeline, on November 28, 2020, Josh D might be the first one who publicly tweeted that he found the virtual scanner II. The next year, on April 12, 2021, a user named Bernd178 followed up on the same concern and asked if Apple accidentally documents such as the Bitcoin whitepaper to the system and how to uninstall it.



DO APPLE WILL DELETE THE PDF?

"A little bird tells me that someone internally filed it as an issue nearly a year ago, assigned to the same engineer who put the PDF there in the first place, and that person hasn't taken action or commented on the issue since. They've indicated it will likely be removed in future versions."

Andy Baio

former CTO of Kickstarter, Waxy.org (Author),
co-founder of the XOXO Festival



Yes, they did!

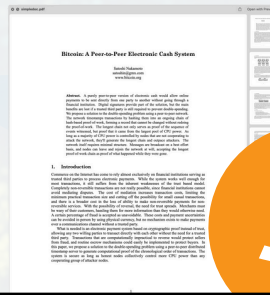
On April 25, 2023, Filipe Espósito from 9TO5Mac tried to find the Bitcoin whitepaper on the new macOS, Ventura 13.4 beta 3, but he couldn't find it. Not only was the BTC PDF deleted, but all of the folders and VirtualScanner.app were removed in this beta version.





THE OS UPDATE REMOVES THE BTC

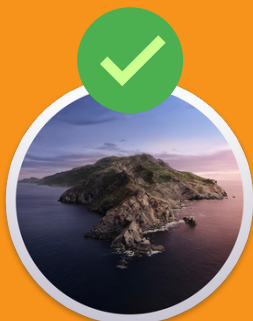
As long as you don't update the OS, you will still be able to find the Bitcoin whitepaper on your macOS.



BTC whitepaper still available on



macOS
Mojave



macOS
Catalina



macOS
Big Sur



macOS
Monterey



macOS
Ventura*

macOS Mojave taken from <https://www.macupdate.com/dwn/macos-mojave> 2018-10-12
macOS Catalina taken from <https://www.macupdate.com/dwn/macos-catalina> 2019-10-26
macOS Big Sur taken from <https://www.macupdate.com/dwn/macos-big-sur> 2020-10-12
macOS Monterey taken from <https://www.macupdate.com/dwn/macos-monterey> 2021-11-12
macOS Ventura taken from <https://apple.apple.com/sg/app/macos-ventura> 2022-11-12

*If you have macOS Ventura before the 13.4 beta 3, you will have the Bitcoin whitepaper



Swipe



APPLE CONDUCT A COPYRIGHT?

After the release of the Bitcoin whitepaper on Andy Baio's blog, a Twitter user named NAM asked Dr. Craig whether Apple does a copyright. Craig, an Australian computer programmer, and self-proclaimed Satoshi Nakamoto said yes. Why?



-Friendly Reminder-

WE ARE ALL SATOSHI

Satoshi statue taken from Fekist (https://commons.wikimedia.org/wiki/File:Bust_of_Satoshi_Nakamoto_in_Budapest.jpg#mw-jump-to-license). „Bust of Satoshi Nakamoto in Budapest“. Erase the background and crop some part by Crypto Extraction by Ricky Ea. <https://creativecommons.org/licenses/by-sa/4.0/legalcode>

Charles Miller @chblm · 06 Apr
Amazing! The Bitcoin White Paper is buried deep inside my MacBook, as promised here: [waxy.org/2023/04/the-bit...](https://waxy.org/2023/04/the-bitcoin-white-paper-is-buried-deep-inside-my-macbook/) Congrats to @waxpancake for discovering.



12 11 43 6,249

NAW @nawBitbot · 06 Apr
Replying to @chblm and @waxpancake
I think Apple maybe in breach of copyright. What say you @Dr_CSWright

18 2 7 2,962

Dr Craig S Wright   @Dr_CSWright
Replying to @nawBitbot @chblm and @waxpancake
Yes

2:43 PM · 06 Apr 23 · 5,601 Views

Swipe 

5 Retweets 13 Quotes 39 Likes

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Steve job picture

Yohe, M. (2008, March 4). File:Steve Jobs.jpg - Wikimedia Commons. Wikimedia Commons . https://commons.wikimedia.org/wiki/File:Steve_Jobs.jpg

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