

# 9-year-old Bitcoin concept, looking back at the first Block Block in the blockchain chain

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Today is the **Genesis Block** 9th anniversary, the first block in the bitcoin chain. Since the advent of virtual currency, so many changes have been made, and this first block is the starting point for the bitcoin chain on the way to becoming a revolution in peer-to-peer sharing.

## What is Genesis Block?

Genesis Block is the first Bitcoin block, or primitive block, with hash code

```
000000000019d6689c085ae165831e934ff763ae46a2a6c172b3f1b60a8ce26f
```

Later, it was called block 0 but it was previously counted as block 1. Genesis Block is especially in that there is no reference to the previous block. Below is an illustration of this block in a comment about the old version of Bitcoin. The first paragraph is the necessary variables to recreate the block. The second paragraph is the block in the standard printblock format, containing the data collapsed from the previous paragraph.

```
GetHash () = 0x000000000019d6689c085ae165831e934ff763ae46a2a6c172b3f1b60a8ce26f
hashMerkleRoot = 0x4a5e1e4baab89f3a32518a88c31bc87f618f76673e2cc77ab2127b7afdeda33b
txNew.vin [0] .scriptSig = 486604799 4
0x736B6E616220726F662074756F6C69616220646E6F63657320666F206B6E697262206E61684320393030322F6E6
txNew.vout [0] .nValue = 5 billion
txNew.vout [0] .scriptPubKey =
0x5F1DF16B2B704C8A578D0BBAF74D385CDE12C11EE50455F3C438EF4C3FBCF649B6DE611FEAE06279A6093
OP_CHECKSIG
block.nVersion = 1
block.nTime = 1231006505
block.nBits = 0x1d00ffff
block.nNonce = 2083236893
```

```
CBlock (hash = 000000000019d6, ver = 1, hashPrevBlock = 00000000000000, hashMerkleRoot = 4a5e1e,
nTime = 1231006505, nBits = 1d00ffff, nNonce = 2083236893, vtx = 1)
CTransaction (hash = 4a5e1e, ver = 1, vin.size = 1, vout.size = 1, nLockTime = 0)
CTxIn (COutPoint (000000, -1), coinbase
04ffff001d0104455468652054696d657320303232f4a616e2f32303039204368616e63656c6c6f72206f620765636f6e64206
CTxOut (nValue = 50.00000000, scriptPubKey = 0x5F1DF16B2B704C8A578D0B)
vMerkleTree: 4a5e1e
```

This block comes with the text ' **The Times 03 / Jan / 2009 Chancellor on brink of second bailout for banks** ' (a sentence in a British Times article) probably used as evidence that this block was created. on January 3, 2009 as well as commenting on unrest due to the bank's proportional reserve.

## Genesis Block

At that time, (in 2009) the GPU digging was probably not used, but it must be around 2011. The first Google Trends reference for 'GPU mine Bitcoin' started in April 2011.

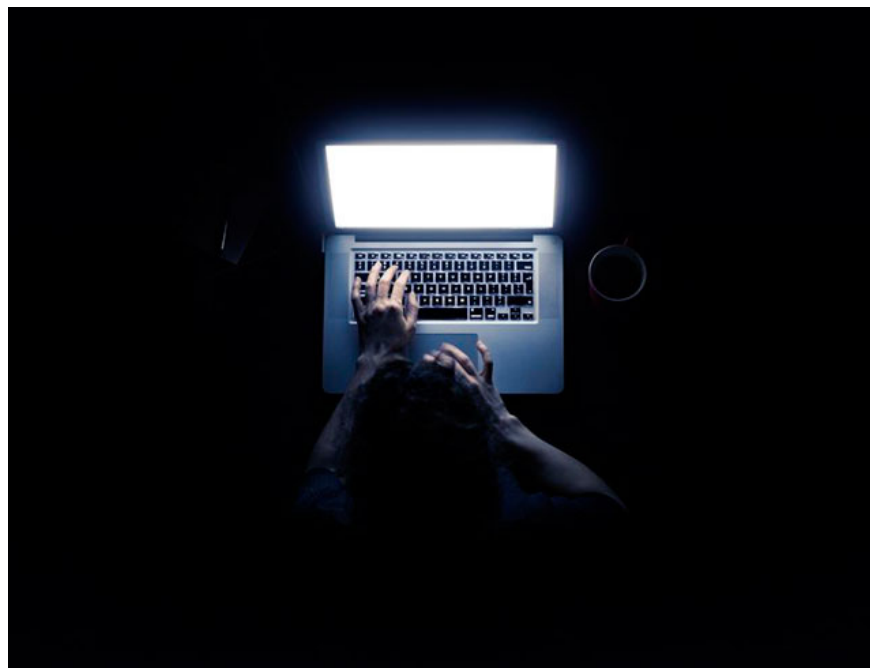
So Satoshi probably dug on the CPU. But exactly how much CPU did you use to dig this first block?

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Satoshi's version 0.1 source code does not have a special cycle or command to dig Genesis Block. In fact, it is straightforward (hardcore) which means creating from another software with no source code. Moreover, because the BTC at that time was also worthless, there was no competition between the diggers, so it could be assumed that Satoshi dug on his own (and only one) computer.

## Satoshi's computer

In 2009, a good CPU could perform about 2 caps of 22 hash pairs per second (double-hashes / second). If two microprocessors are used, there will be 2 threads to dig. Satoshi's 0.1 client is not optimized for dual hashing (by backing up, restoring the intermediate state of the second hash application).



*What computer does Satoshi use to dig the first block?*



4D - script length

04FFFF001D0104455468652054696D65732030332F4A616E2F32303039204368616E63656C6C6F72206F6E206272

- scriptsig

FFFFFFFF - sequence

01 - outputs

00F2052A01000000 - 50 BTC

43 - pk\_script length

4104678AFDB0FE5548271967F1A67130B7105CD6A828E03909A67962E0EA1F61DEB649F6BC3F4CEF38C4F3550

- pk\_script

00000000 - lock time

## The reward for being trained by Genesis Block

The first 50 BTC to be delivered to the address **1A1zP1eP5QGefi2DMPTfTL5SLmv7DivfNa**, although it cannot be used. It is unclear whether this is unintentional or intentional but Genesis Block received 1073 transactions with more than 16 BTC added. Nobody knows why the reward for Genesis Block digging is not available, but bitcoin and all its derivative products also have an initial bonus that is not possible. The total amount of bitcoin circulated cannot exceed 21 million BTC.

## Some other interesting facts about Bitcoin

1. Satoshi Nakamoto may have dug more than 1 million coins in the years of 'pipe' on the bitcoin community.
2. An estimated 64% of bitcoins are in the wallet and are not touched by anyone.
3. An estimated 5% of current bitcoin has passed through Silk Road Market.
4. On the holiday season in 2013, a New Yorker sold the house in exchange for 800,000 BTC.
5. Satoshi Nakamoto made his first transaction with developer Hal Finney on November 12, 2009.
6. On the first 12 months of bitcoin, users can exchange around 1,300 BTC for 1 USD.
7. DOS attacks can affect bitcoin networks, but there are also built-in protection measures.
8. Bitcoin is not anonymous, all transactions are traced to the end but can use a false name.
9. The number of lines of code on the bitcoin protocol is 31,000

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1. This is why 10 years from now, every company will use blockchain
2. How to prove you are Satoshi Nakamoto - the father of Bitcoin?
3. Whoever the father of Bitcoin is, he is also in the top 50 richest people in the world

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