



أشيق
DIGIMENTORS

WELCOME

DAY 98/100

DIGITAL MASTERY CHALLENGE

DATE: OCTOBER 28, 2020, WEDNESDAY

TIME: 06:00 PM (AST)

LIVE FROM DOHA, QATAR



INTERNET

E-COMMERCE

**MOBILE
APPS**

**SOCIAL
MEDIA**

BLOCKCHAIN



**BLOCK CHAIN
TECHNOLOGY**

HOW WILL I BENEFIT ON THIS WEBINAR?





WEB MINING

HOW TO USE YOUR PC FOR WEB MINING





HOW TO MONETIZE YOUR AFFILIATE WEBSITE WITH WEB MINING

AIRDROPS



OTHER OPPORTUNITIES:

ENTRENEURSHIP

INVESTMENT

FREELANCE

JOBS

The background features a blue-toned digital landscape with glowing binary code (0s and 1s) and interconnected nodes, suggesting a network or blockchain structure. A dark blue rectangular box is centered over the image, containing the text.

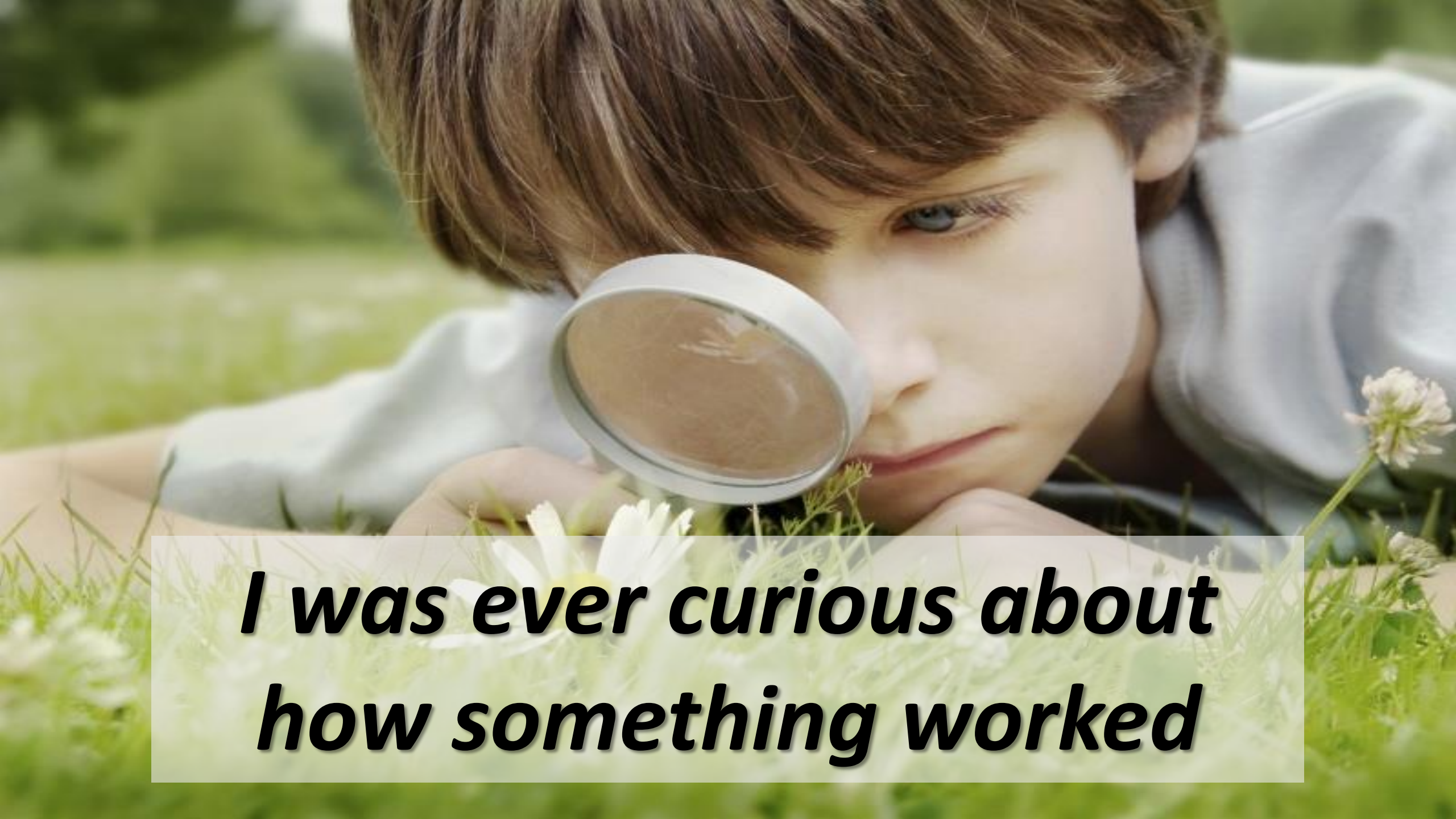
BLOCKCHAIN TECHNOLOGY



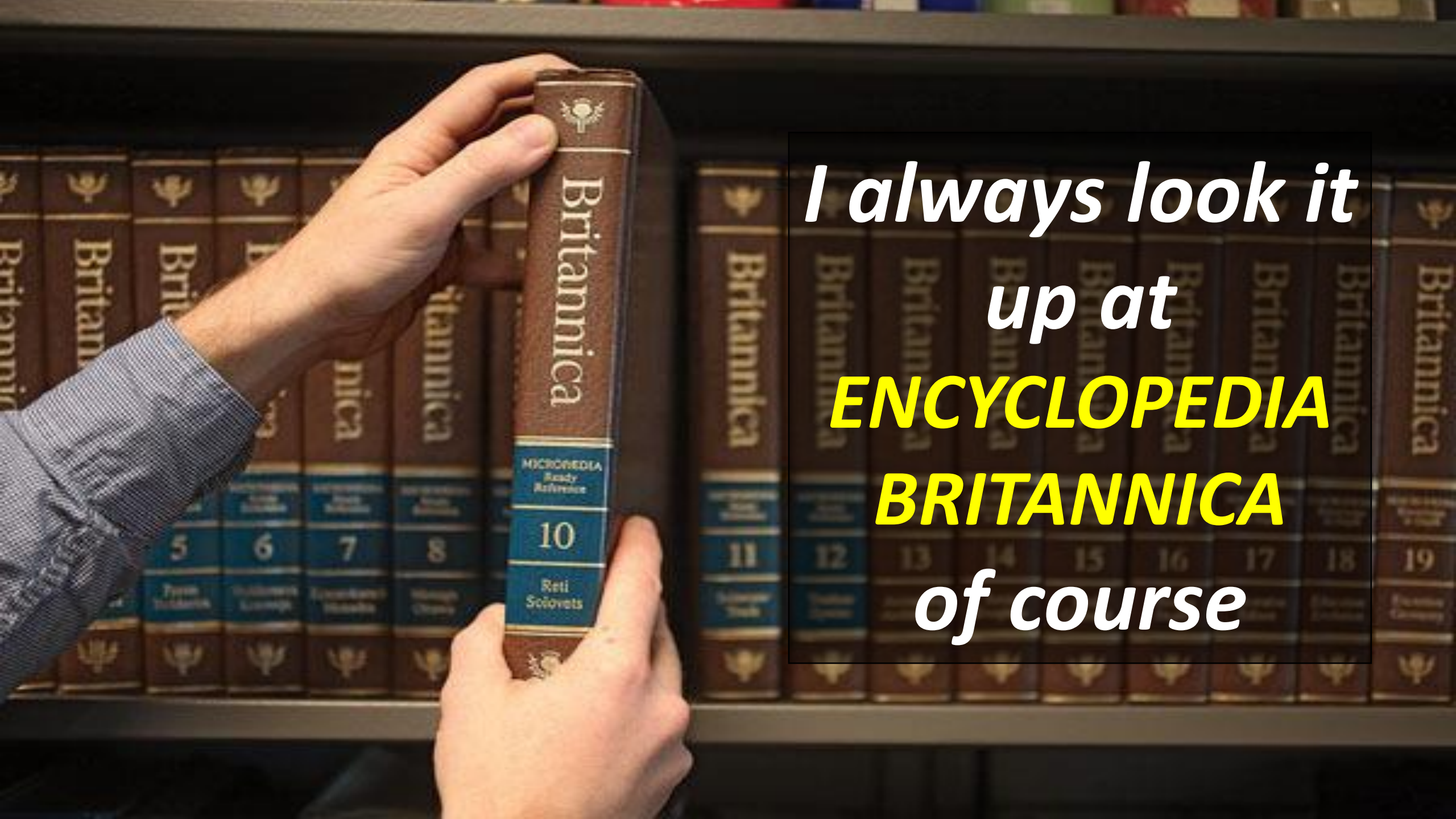
***THE OTHER
DAY WHEN
I WAS
HANGING
OUT WITH
MY NEPHEW***



***I was telling him what life was
when I was in my age!***



***I was ever curious about
how something worked***



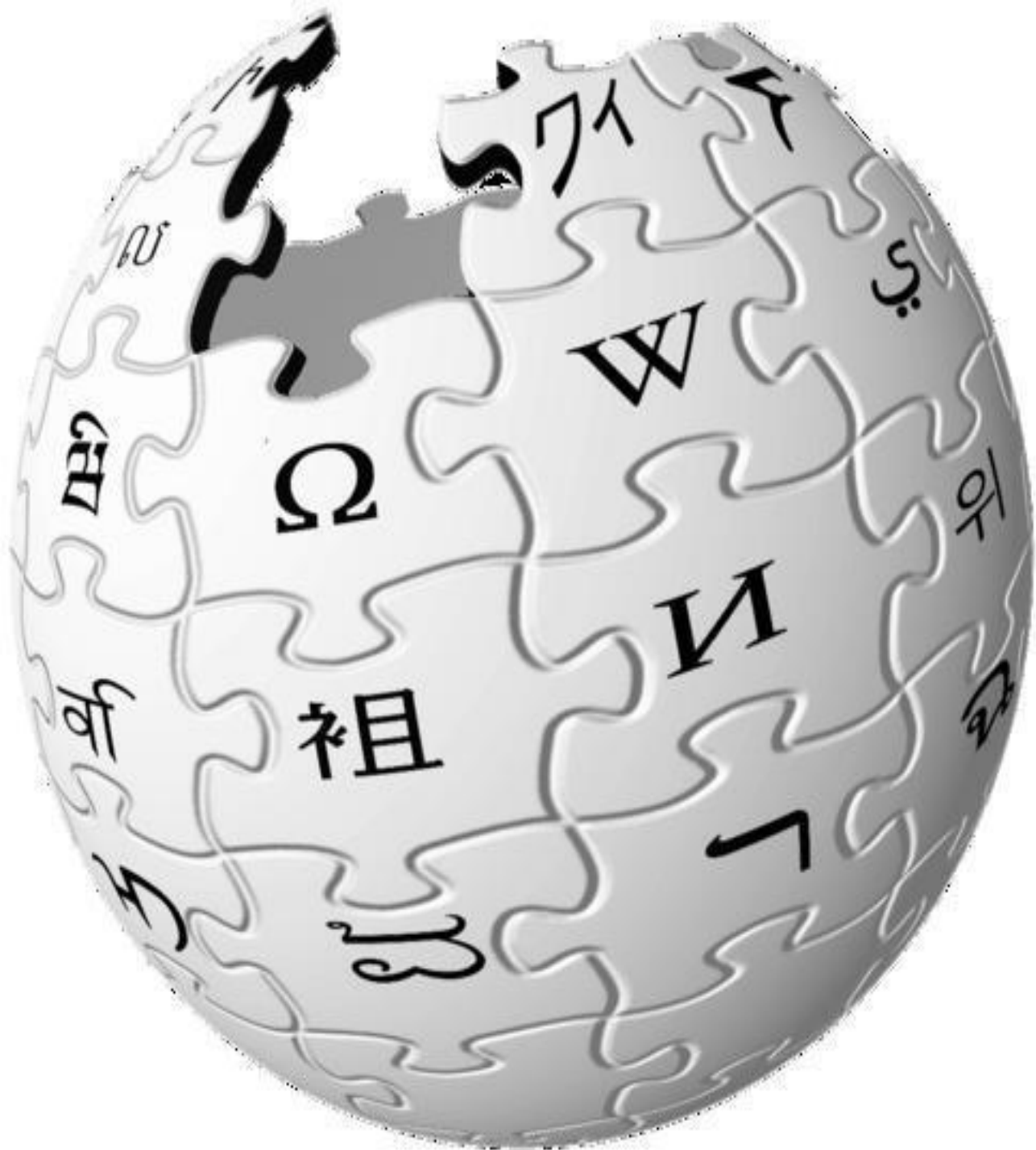
*I always look it
up at
**ENCYCLOPEDIA
BRITANNICA**
of course*



***He had no idea
about what
that was***

He opens up his Ipad,
and **guess where he
got his source of
information from?**



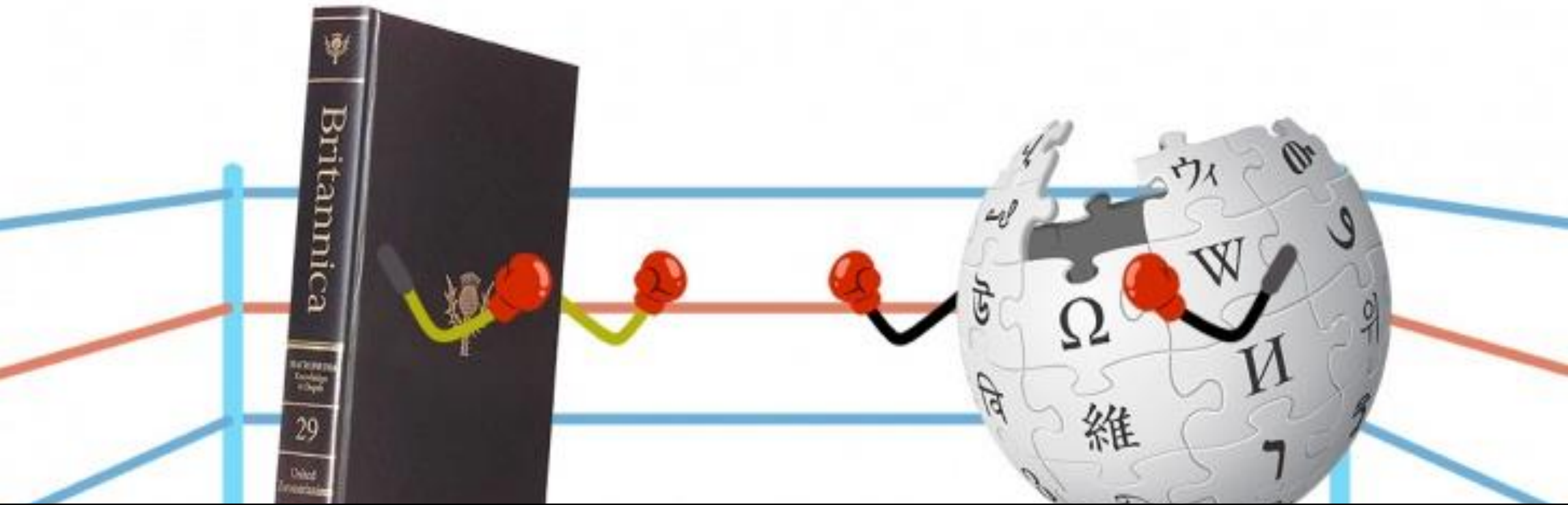


WIKIPEDIA
The Free Encyclopedia

Amazing



Right?



*You can fit the entire **Encyclopedia Britannica** onto one page of **Wikipedia**.*



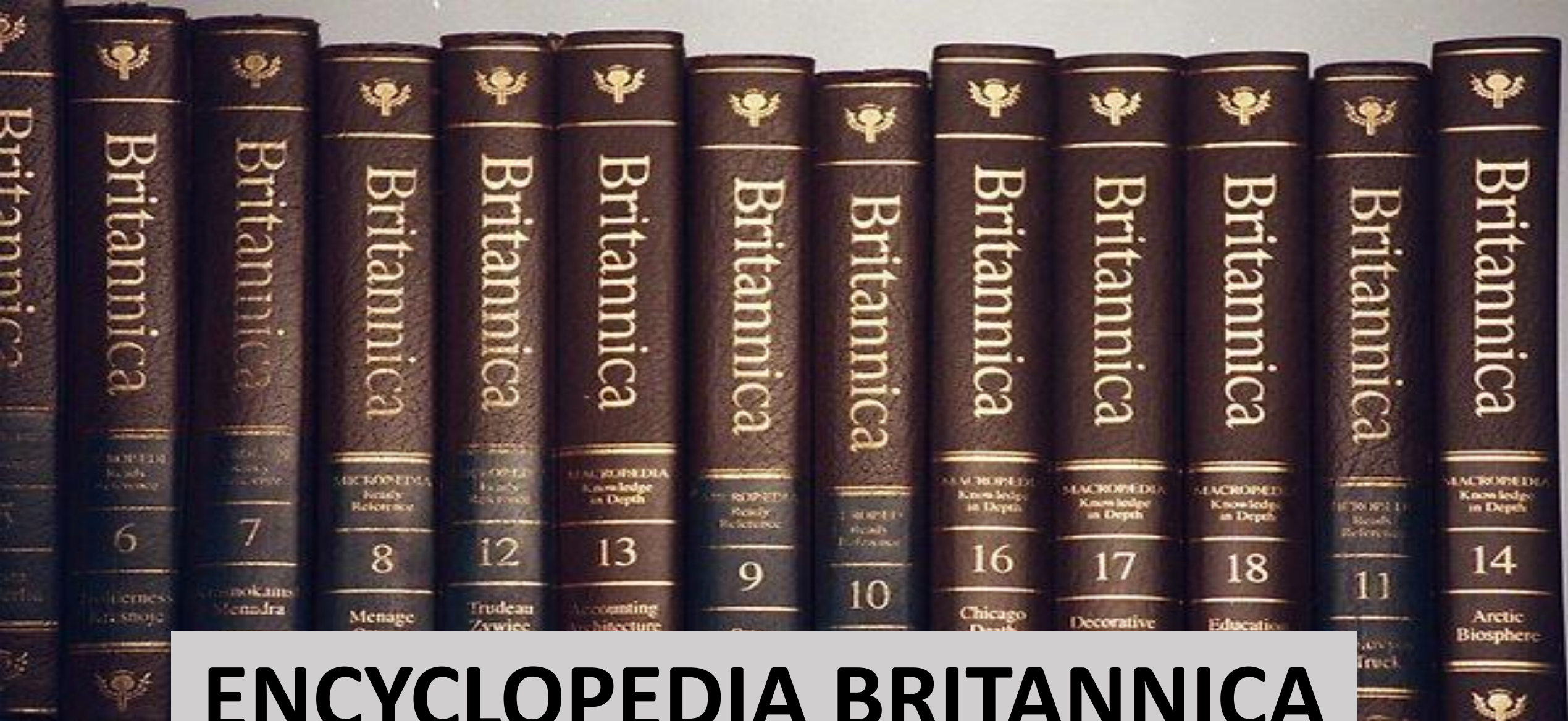
What really happened here is in one generation
240 year old institution become irrelevant



WELL THE **DECENTRALIZED SYSTEM** WE
KNOW IS HOW INTERNET HAPPENED



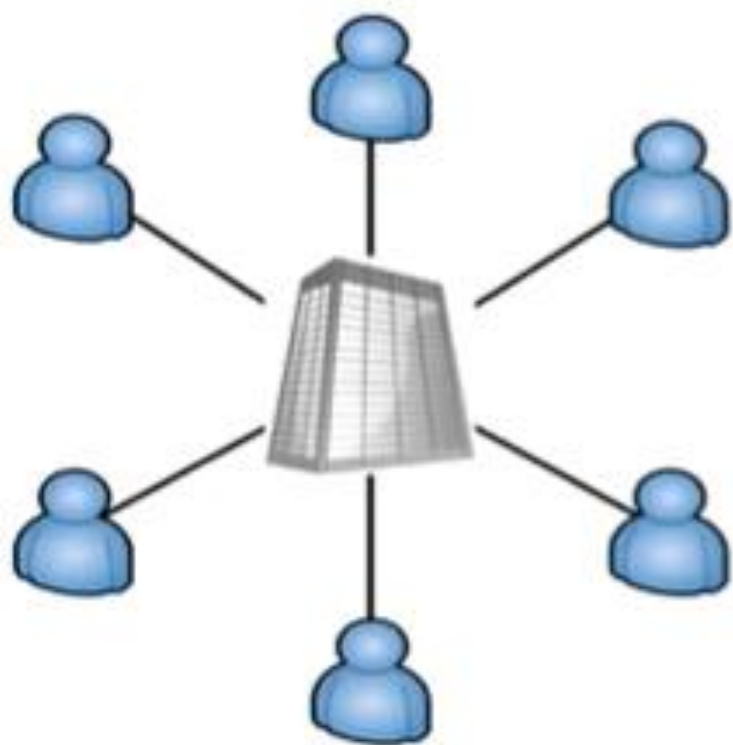
The real difference here is how the real content get created **with the internet or with encyclopedia Britannica, it was all centralized**



**ENCYCLOPEDIA BRITANNICA
WAS HIGHLY CENTRALIZED**

Decentralization of Information

Encyclopedia Britannica



**Centralized
Content**



Encyclopedia Britannica would
go out hire **4000 contributors**



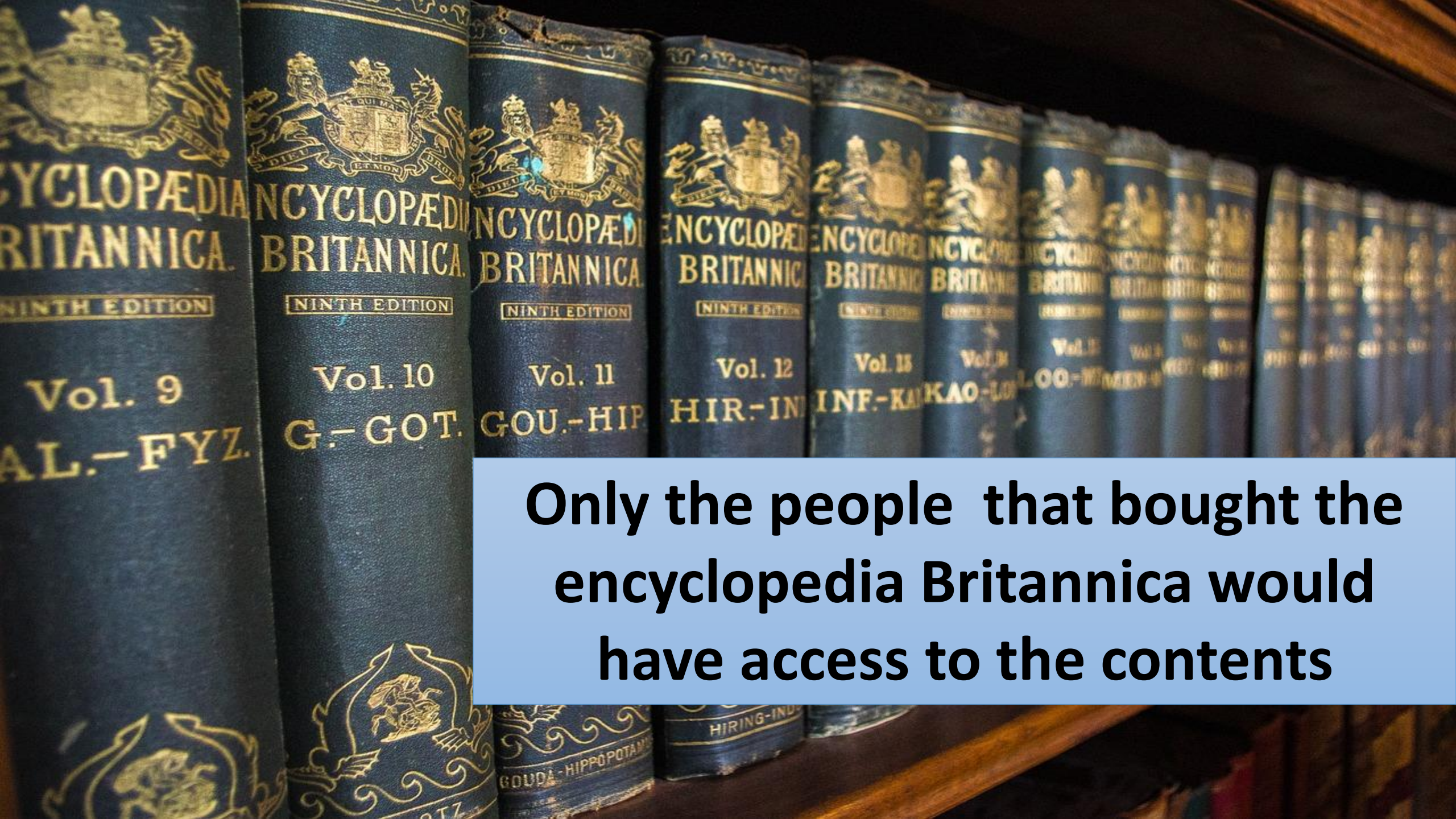
THEY CREATE THE CONTENT



CONTENT

**THEY GO
OUT AND
SELL IT**

SELL IT



Only the people that bought the encyclopedia Britannica would have access to the contents

ENCYCLOPEDIA BRITANNICA HAS CENTRALIZED CONTENT



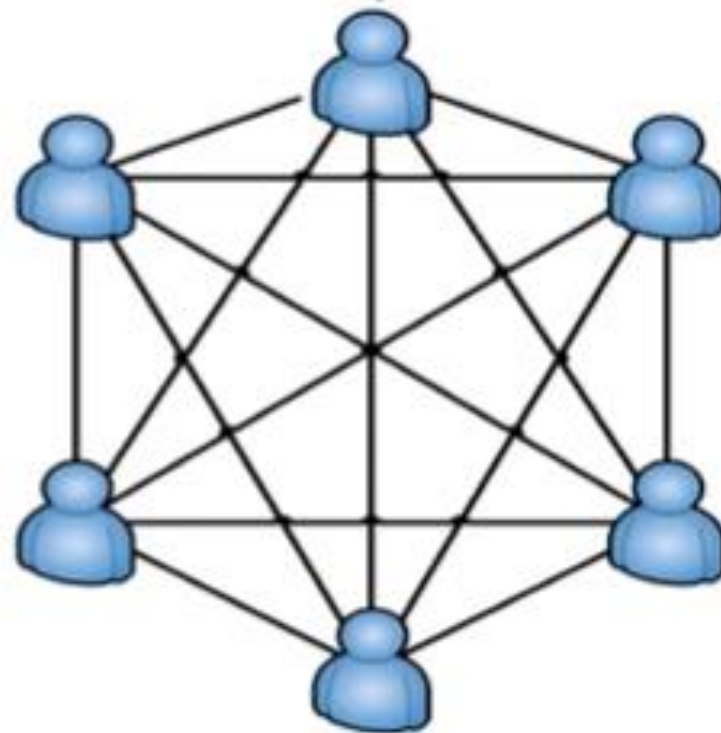
Decentralization of Information

Encyclopedia Britannica



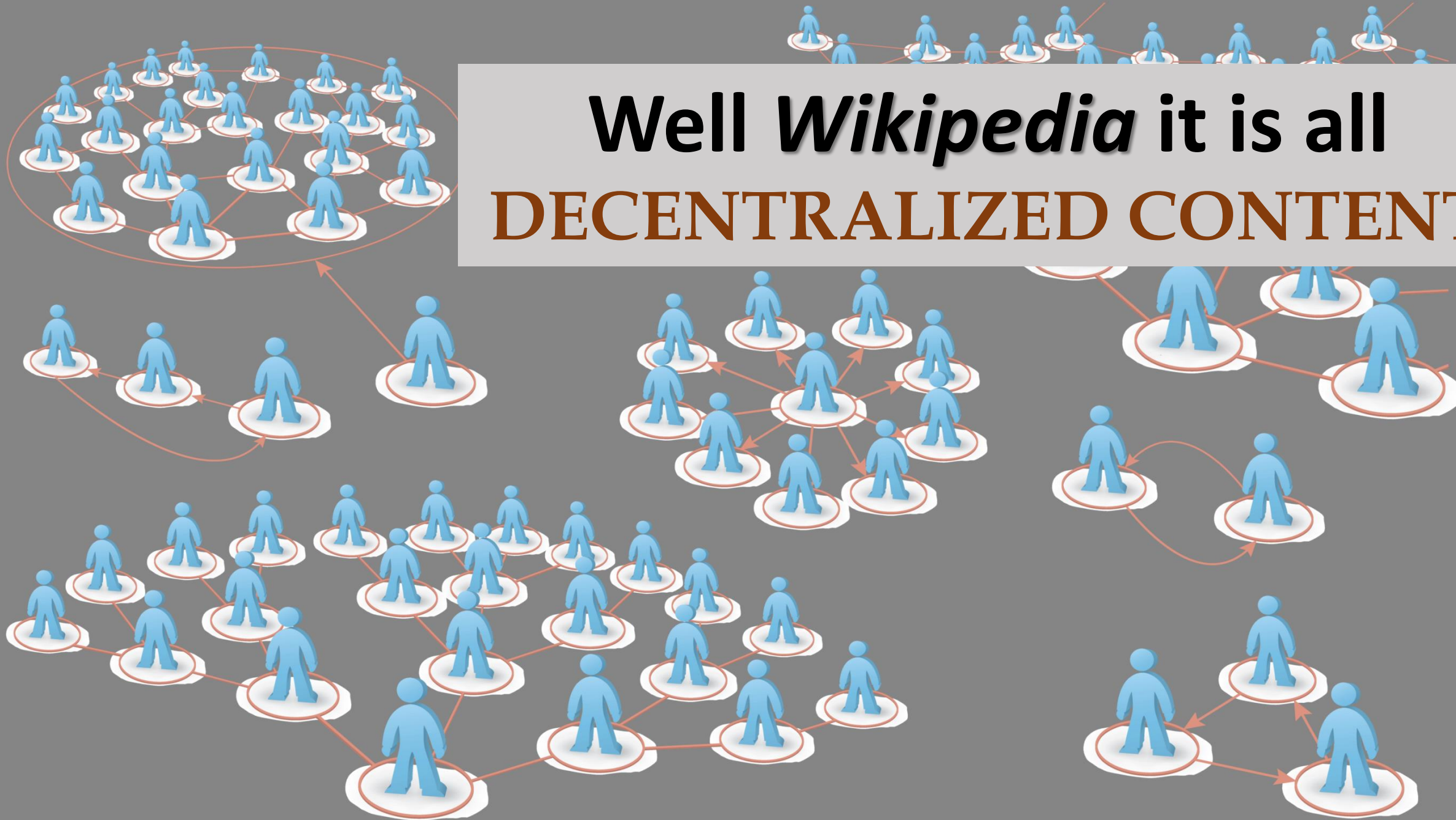
**Centralized
Content**

Wikipedia



**Decentralized
Content**

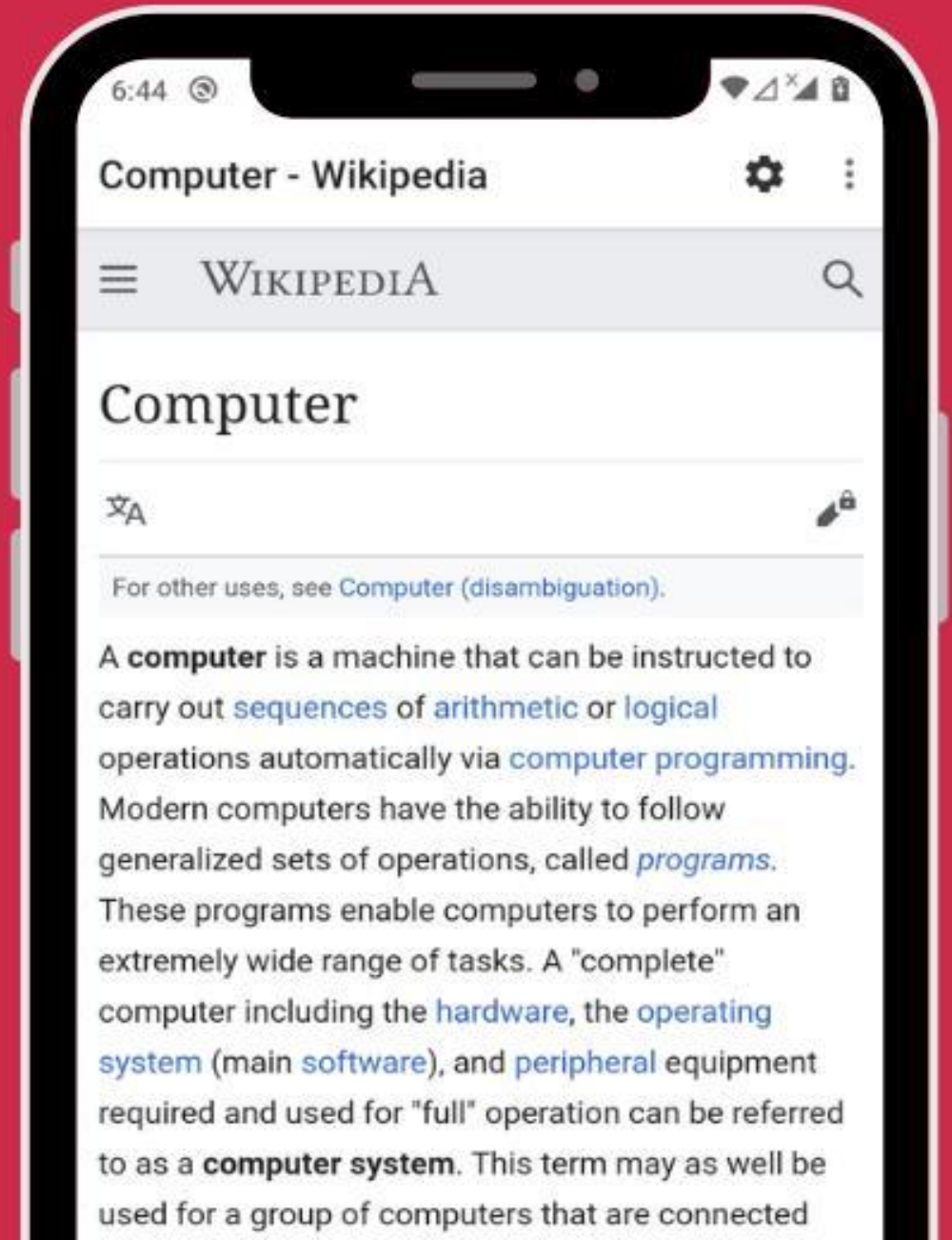
**Well *Wikipedia* it is all
DECENTRALIZED CONTENT**





That means anybody can
contribute content on **WIKIPEDIA**

AND ANYBODY
CAN READ
WIKIPEDIA



A photograph of a business meeting. In the foreground, a person in a dark suit is typing on a white laptop. To their left, another person in a light blue suit is holding a pen. In the background, a third person in a red suit is partially visible. The image is overlaid with a white geometric wireframe pattern and a red triangle in the top left corner. A black banner with white and yellow text is at the bottom.

In the end Wikipedia has
monthly **270,000** active editors



The other big
difference is **SPEED**

UPDATE



Next time you're watching a big sporting event see **how fast the score get updated on the Wikipedia page** as the game ends

*Usually it is within a
few minutes.*



So Wikipedia is
one example
how the
internet
changed our
world by
DECENTRALIZING
INFORMATION



The background features a dark blue field filled with numerous glowing, semi-transparent blue cubes of various sizes. These cubes are interconnected by a complex network of thin, light blue lines and small circular nodes, creating a sense of a digital or blockchain network. The overall aesthetic is high-tech and futuristic.

**WELL THE BLOCKCHAIN IS GOING TO
DECENTRALIZE EVERYTHING ELSE**

It is going to affect you.





By the end of this session, it will all affect stuff from shoes you're wearing to money in your pocket to the music you consume

A photograph of a city street at sunset. The sky is a mix of orange, yellow, and blue. Tall buildings line the street, and cars are visible in the foreground and middle ground. The year "2009" is overlaid in the center in large, glowing red, 3D-style numbers with a blue outline.

2009

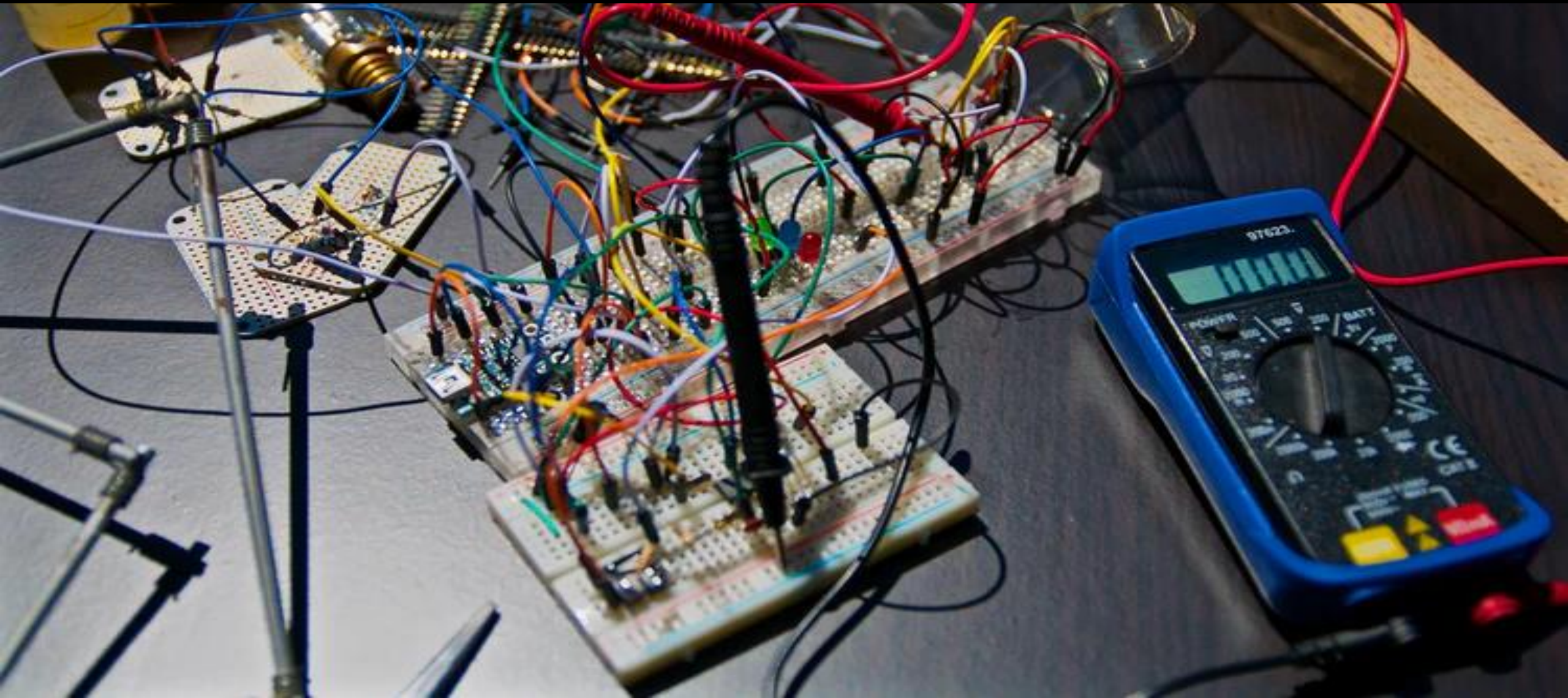
We had the financial crisis.





Lot of people lost trust in the banks

So an experiment was launched to see if we could
run a **DECENTRALIZED PAYMENTS** network





Now we could
run a
DECENTRALIZED
PAYMENT
network



THAT'S
BITCOIN



**BITCOIN PRICE
OVER THE
YEARS:
1BTC TO USD**

MAR 2010:

\$0.003

2011:

\$2

2012:

\$13

2013:

\$600-\$1000

2014:

\$440-\$630

2015:

\$395-\$504

2016:

\$600-\$780

2017:

\$13,800

2018:

\$6,200

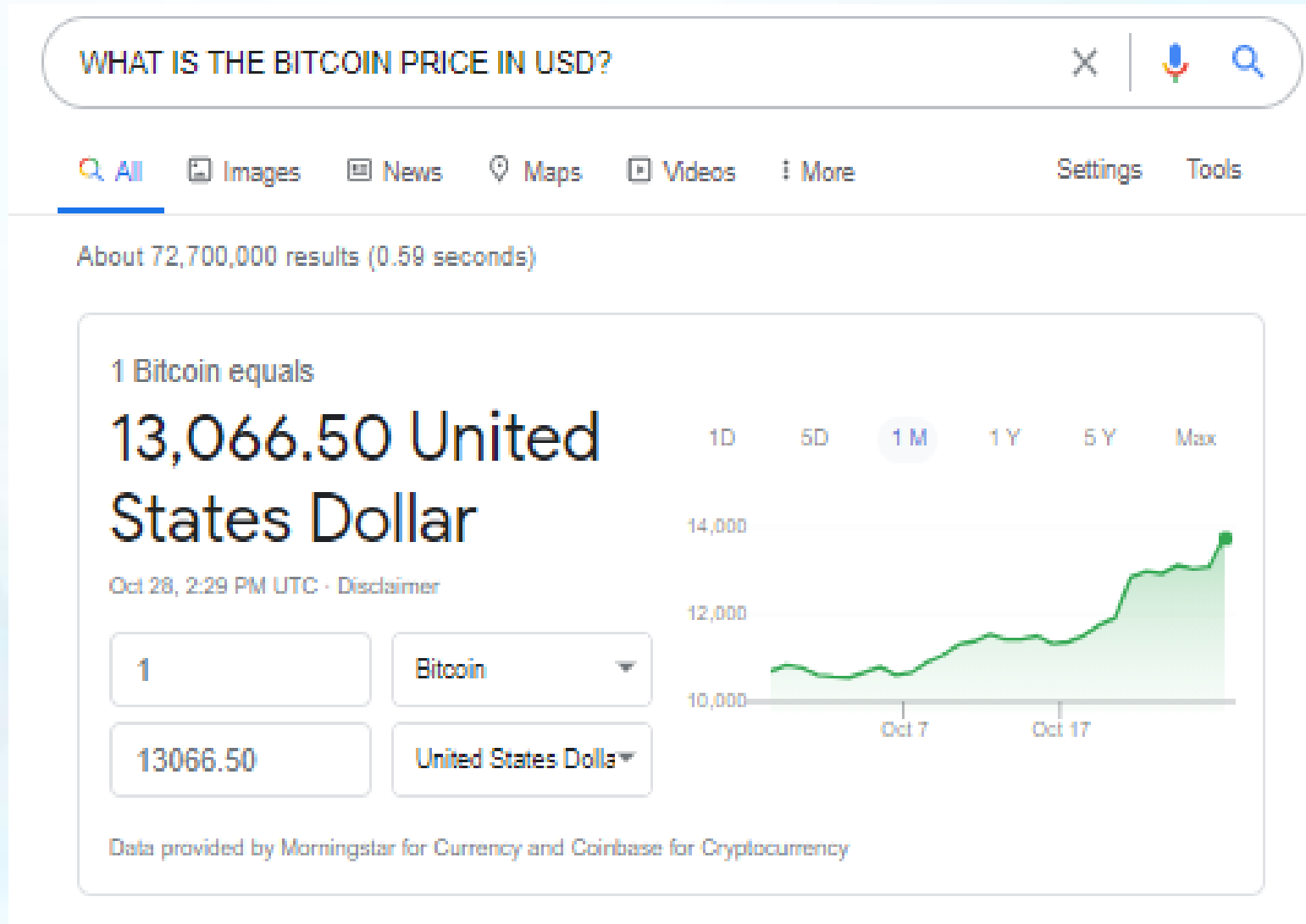
2019:

\$3,300

JULY 2020:

\$10,944

WHAT IS THE BITCOIN PRICE IN USD?





**BITCOIN PRICE
STARTED FROM
\$0.003 IN 2010 AND IS
NOW \$10,944 IN 2020.**

THE BITCOIN

- The first realization of the Blockchain Technology
- 2008
 - **August 18** Domain name "bitcoin.org" registered
 - **October 31** Bitcoin design paper published
 - **November 09** Bitcoin project registered at SourceForge.net
- 2009
 - **January 3** Genesis block established at 18:15:05 GMT
 - **January 9** Bitcoin v0.1 released and announced on the cryptography mailing list
 - **January 12** First Bitcoin transaction, in block 170 from Satoshi to Hal Finney

How It is Started?

- White paper published November 2008 by **Satoshi Nakamoto**
- **Bitcoin: A Peer-to-Peer Electronic Cash System»**
- **Working implementation published 3 months later as an open source project.**

BITCOIN

WHITEPAPER

9 PAGES

CAN REFER IN THE NOTES

Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto
satoshin@gmx.com
www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments 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 proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

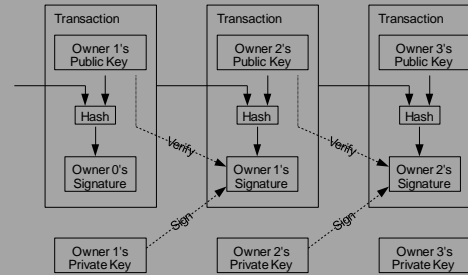
1. Introduction

Commerce on the Internet has come to rely almost exclusively on financial institutions serving as trusted third parties to process electronic payments. While the system works well enough for most transactions, it still suffers from the inherent weaknesses of the trust based model. Completely non-reversible transactions are not really possible, since financial institutions cannot avoid mediating disputes. The cost of mediation increases transaction costs, limiting the minimum practical transaction size and cutting off the possibility for small casual transactions, and there is a broader cost in the loss of ability to make non-reversible payments for non-reversible services. With the possibility of reversal, the need for trust spreads. Merchants must be wary of their customers, hassling them for more information than they would otherwise need. A certain percentage of fraud is accepted as unavoidable. These costs and payment uncertainties can be avoided in person by using physical currency, but no mechanism exists to make payments over a communications channel without a trusted party.

What is needed is an electronic payment system based on cryptographic proof instead of trust, allowing any two willing parties to transact directly with each other without the need for a trusted third party. Transactions that are computationally impractical to reverse would protect sellers from fraud, and routine escrow mechanisms could easily be implemented to protect buyers. In this paper, we propose a solution to the double-spending problem using a peer-to-peer distributed timestamp server to generate computational proof of the chronological order of transactions. The system is secure as long as honest nodes collectively control more CPU power than any cooperating group of attacker nodes.

2. Transactions

We define an electronic coin as a chain of digital signatures. Each owner transfers the coin to the next by digitally signing a hash of the previous transaction and the public key of the next owner and adding these to the end of the coin. A payee can verify the signatures to verify the chain of ownership.



The problem of course is the payee can't verify that one of the owners did not double-spend the coin. A common solution is to introduce a trusted central authority, or mint, that checks every transaction for double spending. After each transaction, the coin must be returned to the mint to issue a new coin, and only coins issued directly from the mint are trusted not to be double-spent. The problem with this solution is that the fate of the entire money system depends on the company running the mint, with every transaction having to go through them, just like a bank.

We need a way for the payee to know that the previous owners did not sign any earlier transactions. For our purposes, the earliest transaction is the one that counts, so we don't care about later attempts to double-spend. The only way to confirm the absence of a transaction is to be aware of all transactions. In the mint based model, the mint was aware of all transactions and decided which arrived first. To accomplish this without a trusted party, transactions must be publicly announced [1], and we need a system for participants to agree on a single history of the order in which they were received. The payee needs proof that at the time of each transaction, the majority of nodes agreed it was the first received.

3. Timestamp Server

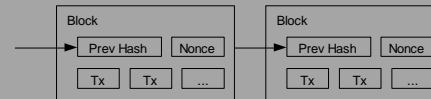
The solution we propose begins with a timestamp server. A timestamp server works by taking a hash of a block of items to be timestamped and widely publishing the hash, such as in a newspaper or Usenet post [2-5]. The timestamp proves that the data must have existed at the time, obviously, in order to get into the hash. Each timestamp includes the previous timestamp in its hash, forming a chain, with each additional timestamp reinforcing the ones before it.



4. Proof-of-Work

To implement a distributed timestamp server on a peer-to-peer basis, we will need to use a proof-of-work system similar to Adam Back's Hashcash [6], rather than newspaper or Usenet posts. The proof-of-work involves scanning for a value that when hashed, such as with SHA-256, the hash begins with a number of zero bits. The average work required is exponential in the number of zero bits required and can be verified by executing a single hash.

For our timestamp network, we implement the proof-of-work by incrementing a nonce in the block until a value is found that gives the block's hash the required zero bits. Once the CPU effort has been expended to make it satisfy the proof-of-work, the block cannot be changed without redoing the work. As later blocks are chained after it, the work to change the block would include redoing all the blocks after it.



The proof-of-work also solves the problem of determining representation in majority decision making. If the majority were based on one-IP-address-one-vote, it could be subverted by anyone able to allocate many IPs. Proof-of-work is essentially one-CPU-one-vote. The majority decision is represented by the longest chain, which has the greatest proof-of-work effort invested in it. If a majority of CPU power is controlled by honest nodes, the honest chain will grow the fastest and outpace any competing chains. To modify a past block, an attacker would have to redo the proof-of-work of the block and all blocks after it and then catch up with and surpass the work of the honest nodes. We will show later that the probability of a slower attacker catching up diminishes exponentially as subsequent blocks are added.

To compensate for increasing hardware speed and varying interest in running nodes over time, the proof-of-work difficulty is determined by a moving average targeting an average number of blocks per hour. If they're generated too fast, the difficulty increases.

5. Network

The steps to run the network are as follows:

- 1) New transactions are broadcast to all nodes.
- 2) Each node collects new transactions into a block.
- 3) Each node works on finding a difficult proof-of-work for its block.
- 4) When a node finds a proof-of-work, it broadcasts the block to all nodes.
- 5) Nodes accept the block only if all transactions in it are valid and not already spent.
- 6) Nodes express their acceptance of the block by working on creating the next block in the chain, using the hash of the accepted block as the previous hash.

Nodes always consider the longest chain to be the correct one and will keep working on extending it. If two nodes broadcast different versions of the next block simultaneously, some nodes may receive one or the other first. In that case, they work on the first one they received, but save the other branch in case it becomes longer. The tie will be broken when the next proof-of-work is found and one branch becomes longer; the nodes that were working on the other branch will then switch to the longer one.

New transaction broadcasts do not necessarily need to reach all nodes. As long as they reach many nodes, they will get into a block before long. Block broadcasts are also tolerant of dropped messages. If a node does not receive a block, it will request it when it receives the next block and realizes it missed one.

6. Incentive

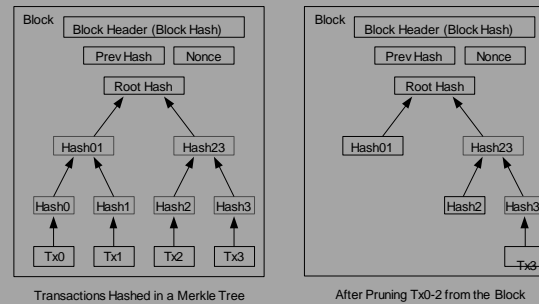
By convention, the first transaction in a block is a special transaction that starts a new coin owned by the creator of the block. This adds an incentive for nodes to support the network, and provides a way to initially distribute coins into circulation, since there is no central authority to issue them. The steady addition of a constant amount of new coins is analogous to gold miners expending resources to add gold to circulation. In our case, it is CPU time and electricity that is expended.

The incentive can also be funded with transaction fees. If the output value of a transaction is less than its input value, the difference is a transaction fee that is added to the incentive value of the block containing the transaction. Once a predetermined number of coins have entered circulation, the incentive can transition entirely to transaction fees and be completely inflation free.

The incentive may help encourage nodes to stay honest. If a greedy attacker is able to assemble more CPU power than all the honest nodes, he would have to choose between using it to defraud people by stealing back his payments, or using it to generate new coins. He ought to find it more profitable to play by the rules, such rules that favour him with more new coins than everyone else combined, than to undermine the system and the validity of his own wealth.

7. Reclaiming Disk Space

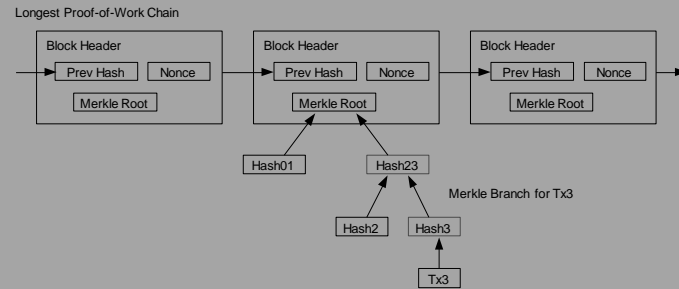
Once the latest transaction in a coin is buried under enough blocks, the spent transactions before it can be discarded to save disk space. To facilitate this without breaking the block's hash, transactions are hashed in a Merkle Tree [7][2][5], with only the root included in the block's hash. Old blocks can then be compacted by stubbing off branches of the tree. The interior hashes do not need to be stored.



A block header with no transactions would be about 80 bytes. If we suppose blocks are generated every 10 minutes, $80 \text{ bytes} * 6 * 24 * 365 = 4.2\text{MB}$ per year. With computer systems typically selling with 2GB of RAM as of 2008, and Moore's Law predicting current growth of 1.2GB per year, storage should not be a problem even if the block headers must be kept in memory.

8. Simplified Payment Verification

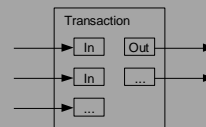
It is possible to verify payments without running a full network node. A user only needs to keep a copy of the block headers of the longest proof-of-work chain, which he can get by querying network nodes until he's convinced he has the longest chain, and obtain the Merkle branch linking the transaction to the block it's timestamped in. He can't check the transaction for himself, but by linking it to a place in the chain, he can see that a network node has accepted it, and blocks added after it further confirm the network has accepted it.



As such, the verification is reliable as long as honest nodes control the network, but is more vulnerable if the network is overpowered by an attacker. While network nodes can verify transactions for themselves, the simplified method can be fooled by an attacker's fabricated transactions for as long as the attacker can continue to overpower the network. One strategy to protect against this would be to accept alerts from network nodes when they detect an invalid block, prompting the user's software to download the full block and alerted transactions to confirm the inconsistency. Businesses that receive frequent payments will probably still want to run their own nodes for more independent security and quicker verification.

9. Combining and Splitting Value

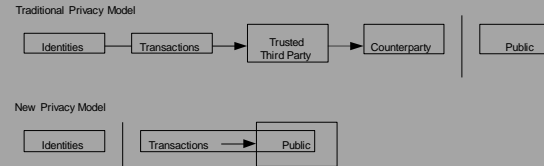
Although it would be possible to handle coins individually, it would be unwieldy to make a separate transaction for every cent in a transfer. To allow value to be split and combined, transactions contain multiple inputs and outputs. Normally there will be either a single input from a larger previous transaction or multiple inputs combining smaller amounts, and at most two outputs: one for the payment, and one returning the change, if any, back to the sender.



It should be noted that fan-out, where a transaction depends on several transactions, and those transactions depend on many more, is not a problem here. There is never the need to extract a complete standalone copy of a transaction's history.

10. Privacy

The traditional banking model achieves a level of privacy by limiting access to information to the parties involved and the trusted third party. The necessity to announce all transactions publicly precludes this method, but privacy can still be maintained by breaking the flow of information in another place: by keeping public keys anonymous. The public can see that someone is sending an amount to someone else, but without information linking the transaction to anyone. This is similar to the level of information released by stock exchanges, where the time and size of individual trades, the "tape", is made public, but without telling who the parties were.



As an additional firewall, a new key pair should be used for each transaction to keep them from being linked to a common owner. Some linking is still unavoidable with multi-input transactions, which necessarily reveal that their inputs were owned by the same owner. The risk is that if the owner of a key is revealed, linking could reveal other transactions that belonged to the same owner.

11. Calculations

We consider the scenario of an attacker trying to generate an alternate chain faster than the honest chain. Even if this is accomplished, it does not throw the system open to arbitrary changes, such as creating value out of thin air or taking money that never belonged to the attacker. Nodes are not going to accept an invalid transaction as payment, and honest nodes will never accept a block containing them. An attacker can only try to change one of his own transactions to take back money he recently spent.

The race between the honest chain and an attacker chain can be characterized as a Binomial Random Walk. The success event is the honest chain being extended by one block, increasing its lead by +1, and the failure event is the attacker's chain being extended by one block, reducing the gap by -1.

The probability of an attacker catching up from a given deficit is analogous to a Gambler's Ruin problem. Suppose a gambler with unlimited credit starts at a deficit and plays potentially an infinite number of trials to try to reach breakeven. We can calculate the probability he ever reaches breakeven, or that an attacker ever catches up with the honest chain, as follows [8]:

p = probability an honest node finds the next block
 q = probability the attacker finds the next block
 q_z = probability the attacker will ever catch up from z blocks behind

$$q_z = \begin{cases} 1 & \text{if } p \leq q \\ q/p^z & \text{if } p < q \end{cases}$$

Given our assumption that $p > q$, the probability drops exponentially as the number of blocks the attacker has to catch up with increases. With the odds against him, if he doesn't make a lucky lunge forward early on, his chances become vanishingly small as he falls further behind.

We now consider how long the recipient of a new transaction needs to wait before being sufficiently certain the sender can't change the transaction. We assume the sender is an attacker who wants to make the recipient believe he paid him for a while, then switch it to pay back to himself after some time has passed. The receiver will be alerted when that happens, but the sender hopes it will be too late.

The receiver generates a new key pair and gives the public key to the sender shortly before signing. This prevents the sender from preparing a chain of blocks ahead of time by working on it continuously until he is lucky enough to get far enough ahead, then executing the transaction at that moment. Once the transaction is sent, the dishonest sender starts working in secret on a parallel chain containing an alternate version of his transaction.

The recipient waits until the transaction has been added to a block and z blocks have been linked after it. He doesn't know the exact amount of progress the attacker has made, but assuming the honest blocks took the average expected time per block, the attacker's potential progress will be a Poisson distribution with expected value:

$$\lambda = z \frac{q}{p}$$

To get the probability the attacker could still catch up now, we multiply the Poisson density for each amount of progress he could have made by the probability he could catch up from that point:

$$\sum_{k=0}^{\infty} \frac{\lambda^k e^{-\lambda}}{k!} \begin{cases} q/p & \text{if } k \leq z \\ 1 & \text{if } k < z \end{cases}$$

Rearranging to avoid summing the infinite tail of the distribution...

$$1 - \sum_{k=0}^z \frac{\lambda^k e^{-\lambda}}{k!} (1 - q/p)^{z-k}$$

Converting to C code...

```
#include <math.h>
double AttackerSuccessProbability(double q, int z)
{
    double p = 1.0 - q;
    double lambda = z * (q / p);
    double sum = 1.0;
    int i, k;
    for (k = 0; k <= z; k++)
    {
        double poisson = exp(-lambda);
        for (i = 1; i <= k; i++)
            poisson *= lambda / i;
        sum -= poisson * (1 - pow(q / p, z - k));
    }
    return sum;
}
```

Running some results, we can see the probability drop off exponentially with z.

```

q=0.1
z=0 P=1.0000000
z=1 P=0.2045873
z=2 P=0.0509779
z=3 P=0.0131722
z=4 P=0.0034552
z=5 P=0.0009137
z=6 P=0.0002428
z=7 P=0.0000647
z=8 P=0.0000173
z=9 P=0.0000046
z=10 P=0.0000012

```

```

q=0.3
z=0 P=1.0000000
z=5 P=0.1773523
z=10 P=0.0416605
z=15 P=0.0101008
z=20 P=0.0024804
z=25 P=0.0006132

```

Solving for P less than 0.1%...

```

z=30 P=0.0001522
z=35 P=0.0000379
z=40 P=0.0000095
z=45 P=0.0000024
z=50 P=0.0000006
q=0.20 z=11
q=0.25 z=15
q=0.30 z=24
q=0.35 z=41
q=0.40 z=89
q=0.45 z=340

```

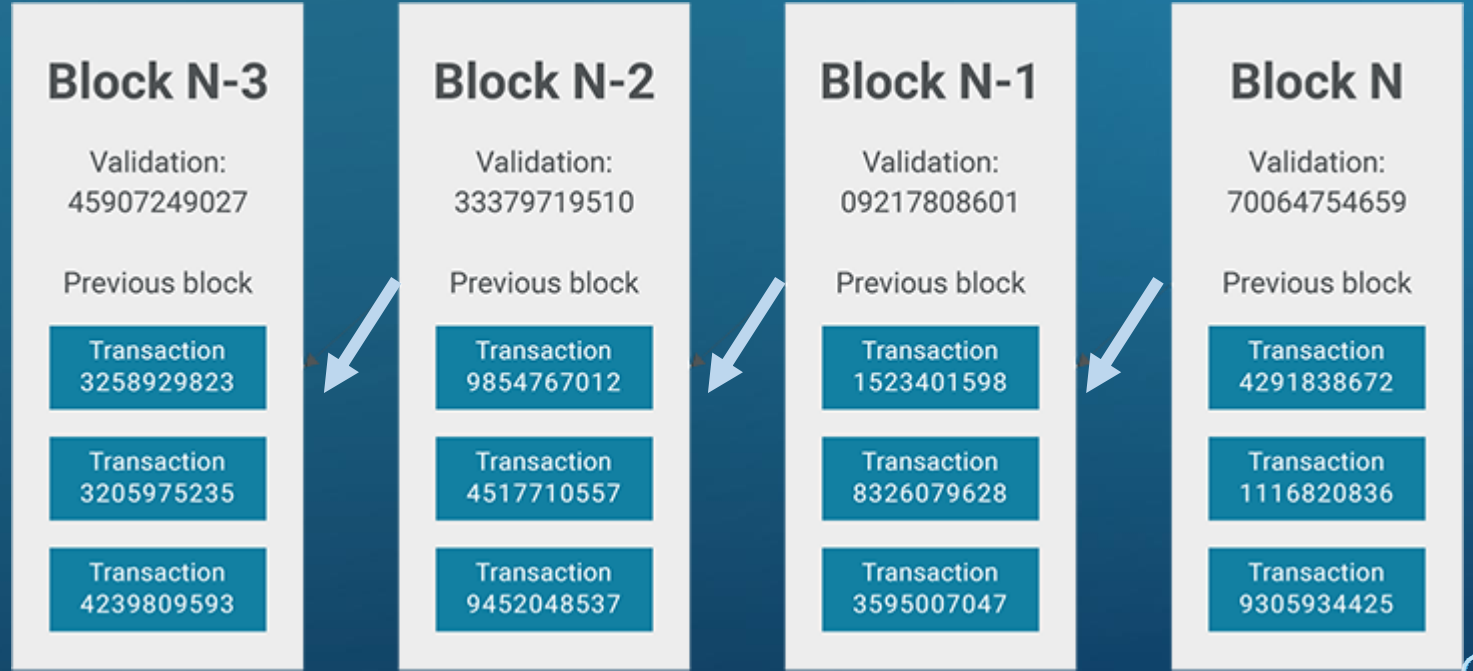
12. Conclusion

We have proposed a system for electronic transactions without relying on trust. We started with the usual framework of coins made from digital signatures, which provides strong control of ownership, but is incomplete without a way to prevent double-spending. To solve this, we proposed a peer-to-peer network using proof-of-work to record a public history of transactions that quickly becomes computationally impractical for an attacker to change if honest nodes control a majority of CPU power. The network is robust in its unstructured simplicity. Nodes work all at once with little coordination. They do not need to be identified, since messages are not routed to any particular place and only need to be delivered on a best effort basis. Nodes can leave and rejoin the network at will, accepting the proof-of-work chain as proof of what happened while they were gone. They vote with their CPU power, expressing their acceptance of valid blocks by working on extending them and rejecting invalid blocks by refusing to work on them. Any needed rules and incentives can be enforced with this consensus mechanism.

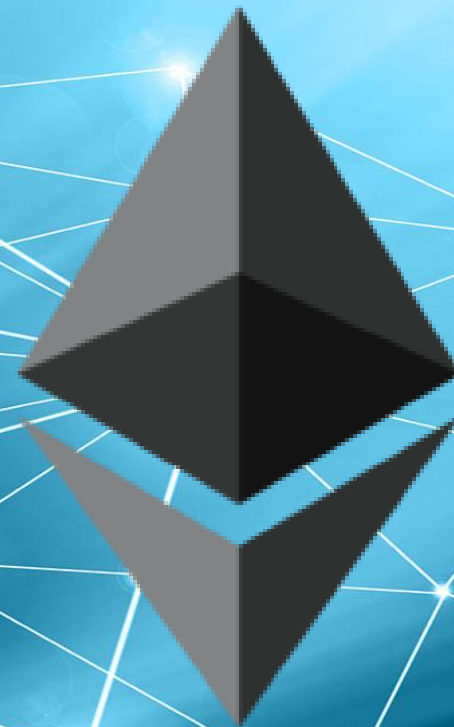
References

- 1 W. Dai, "b-money," <http://www.weidai.com/bmoney.txt>, 1998.
- 2 H. Massias, X.S. Avila, and J.-J. Quisquater, "Design of a secure timestamping service with minimal trust requirements," In *20th Symposium on Information Theory in the Benelux*, May 1999.
- 3 S. Haber, W.S. Stornetta, "How to time-stamp a digital document," In *Journal of Cryptology*, vol 3, no 2, pages 99-111, 1991.
- 4 D. Bayer, S. Haber, W.S. Stornetta, "Improving the efficiency and reliability of digital time-stamping," In *Sequences II: Methods in Communication, Security and Computer Science*, pages 329-334, 1993.
- 5 S. Haber, W.S. Stornetta, "Secure names for bit-strings," In *Proceedings of the 4th ACM Conference on Computer and Communications Security*, pages 28-35, April 1997.
- 6 A. Back, "Hashcash - a denial of service counter-measure," <http://www.hashcash.org/papers/hashcash.pdf>, 2002.
- 7 R.C. Merkle, "Protocols for public key cryptosystems," In *Proc. 1980 Symposium on Security and Privacy*, IEEE Computer Society, pages 122-133, April 1980.
- 8 W. Feller, "An introduction to probability theory and its applications," 1957.

BLOCKS



THE ETHEREUM BLOCKCHAIN



Ethereum Co-Founder Awarded Forbes' '30 Under 30'



Jack Filiba

November 17,
2017

Vitalik Buterin

Forbes '30 Under 30'



Bitcoin 24h
\$11,061.61 +2.31%

Ethereum 24h
\$323.34 +3.24%

XRP 24h
\$0.240978 +9.33%

Chainlink 24h
\$7.21 +1.12%

Bitcoin Cash 24h
\$290.26 +6.72%



Feature from **Markets** →

Vladimir Putin and Vitalik Buterin Discuss Ethereum 'Opportunities'

Jun 5, 2017 at 17:31 UTC • Updated Jun 5, 2017 at 17:32 UTC

🐦 f in



The president of Russia briefly met with ethereum inventor Vitalik Buterin during an event last week.

sharing k.



Michael del Castillo

SMART CONTRACT

- **Transactions in bitcoin are limited**
 - **Transfer 'X' bitcoins from 'Y' to 'Z'**
- **More powerful transactions**
 - **Exchange**
 - **Auction**
 - **Games**
 - **Bets**
 - **Legal agreements**
- **Solution**
 - **Store smart contracts on the blockchain**
 - **Computer programs implement transactions**
 - **Immutability guarantees persistence**

THE ETHEREUM

- A decentralized platform that runs **smart contracts**
- Proposed in late 2013 by Vitalik Buterin
- Released 2015
- Supports turning complete smart contracts (Solidity)
- A virtual machine for cryptocurrency (Ethereum Virtual Machine)
 - Creating new currencies
 - Guaranteeing certain currency consistency
- But has all bad features of computer programs (DAO, Parity, ...)

It is seen as new hope!





**BLOCKCHAIN IS A TERM THAT HAS COME TO MEAN
MANY THINGS TO MANY PEOPLE**



For developers, it is set of protocols and encryption technologies for securely storing data on a distributed network



CTMX	0.45	▲	+0.45
FTR	-0.23	▼	-2.34%
CSCO	-1.01	▼	-1.89%
CHK	0.02	▲	+0.21
AAPL	+2.58	▲	+2.58
PRTG	-0.15	▼	-0.15
AMZN	1.20	▲	+1.20
TSLA	3.50	▲	+3.50
AVGO	150.00	▲	+150.00

For business and finance, it is distributer ledger and the technology underlying the explosion of new digital currencies



For technologists, it is the driving force behind the next generation of the internet





For others, it is a tool for radically reshaping society and the economy taking us to a more decentralized world

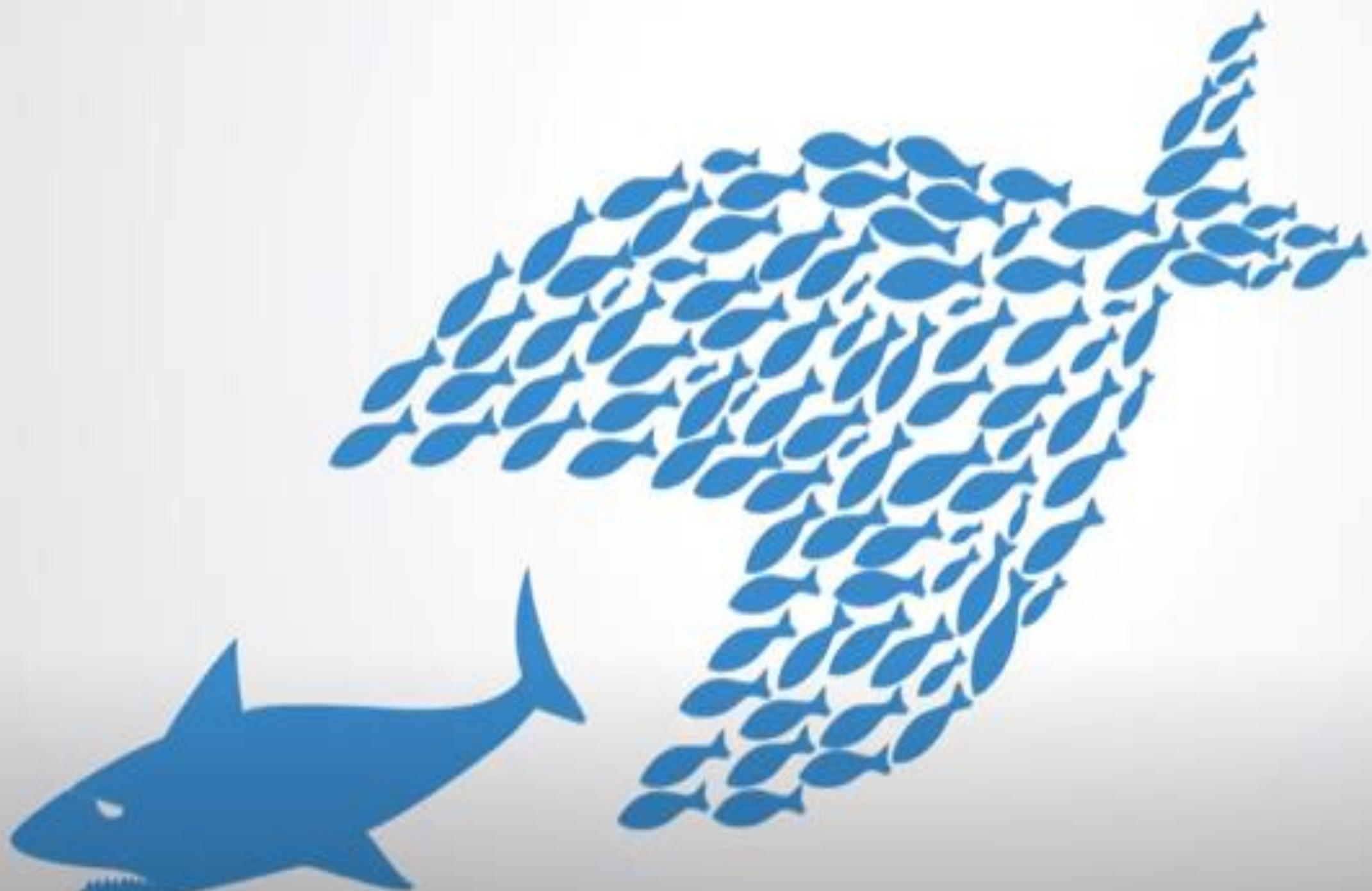


BLOCK CHAIN IS MUCH MORE THAN A TECHNOLOGY



It is also a culture and community that is passionate about creating a more equitable world through decentralization.

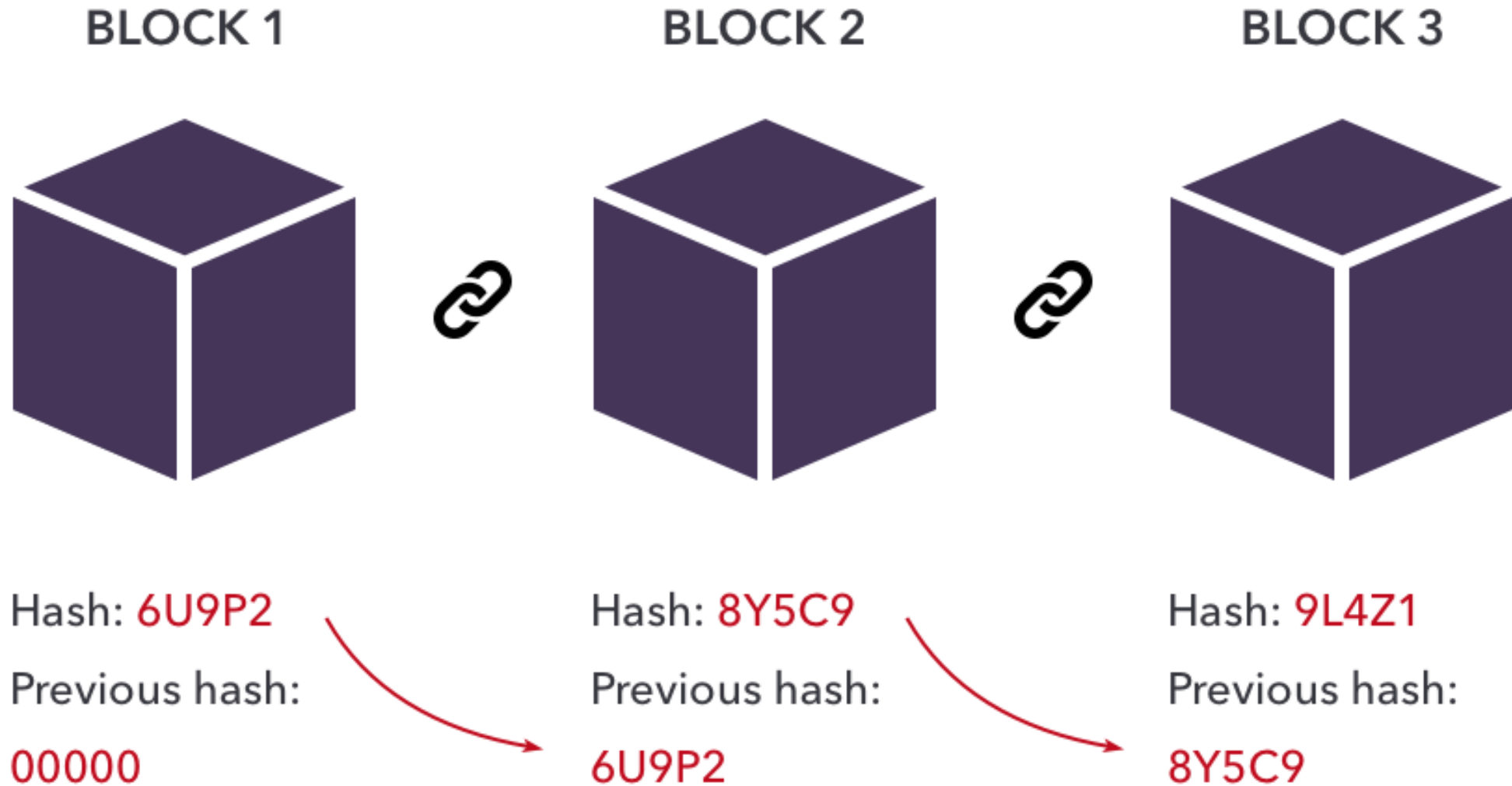


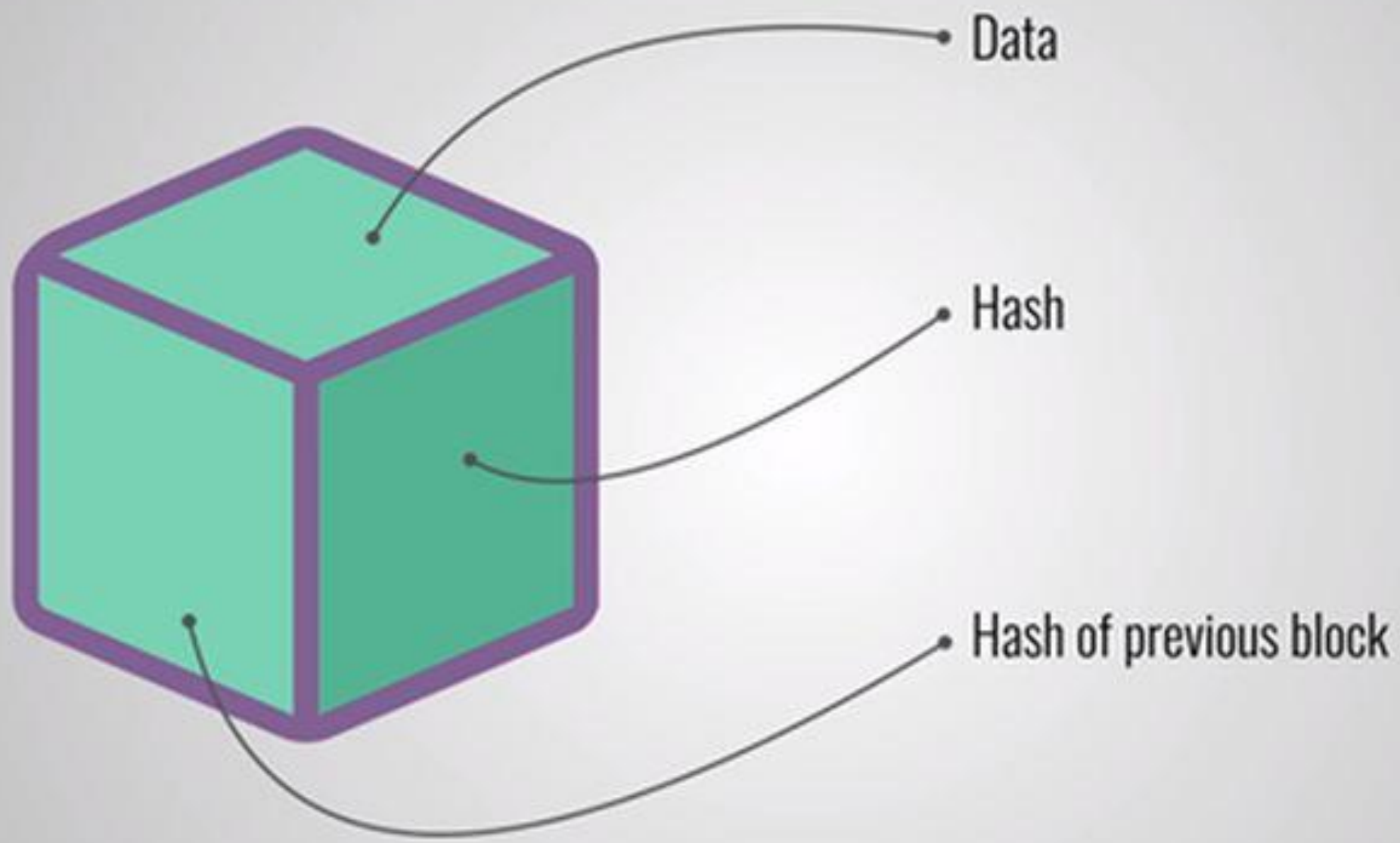




- **Blockchain is a technology simply a distributed secure database, this database consists of string of blocks**

- Each one recorded of data that's been encrypted and given a unique identifier called the hash



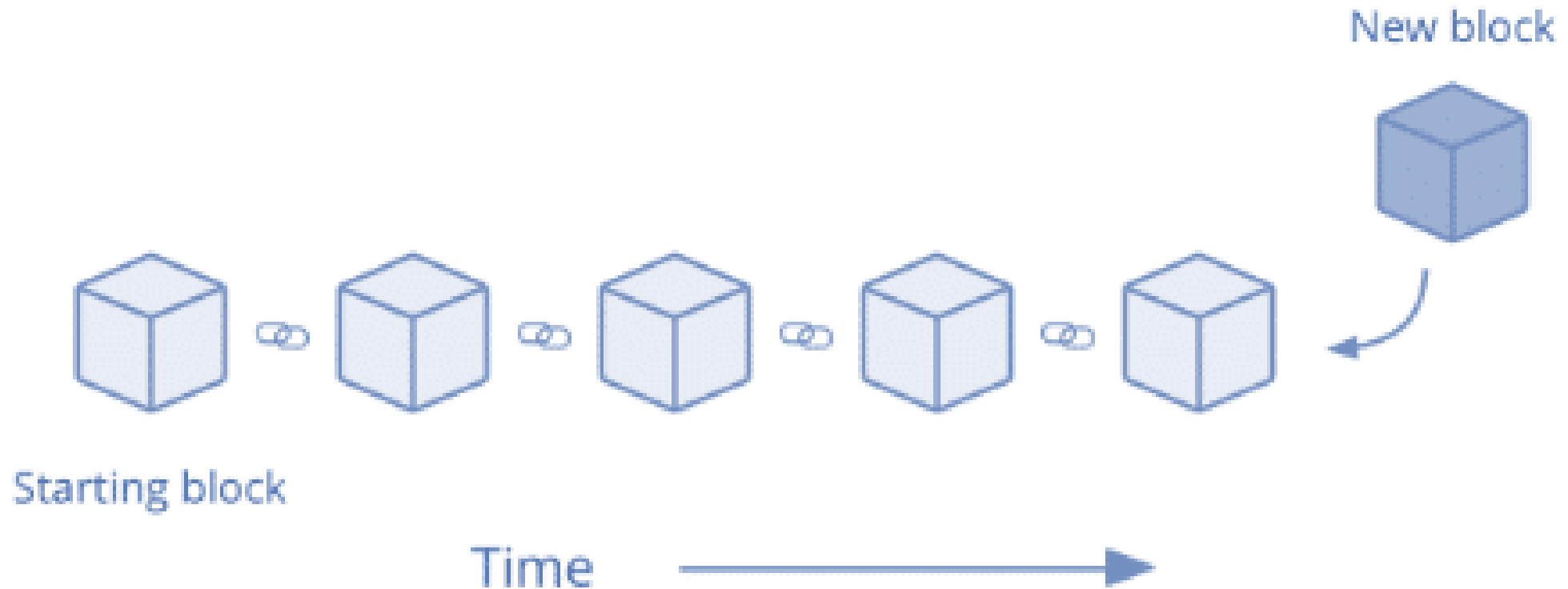


Mining computers on the network validate transactions & add them to block.

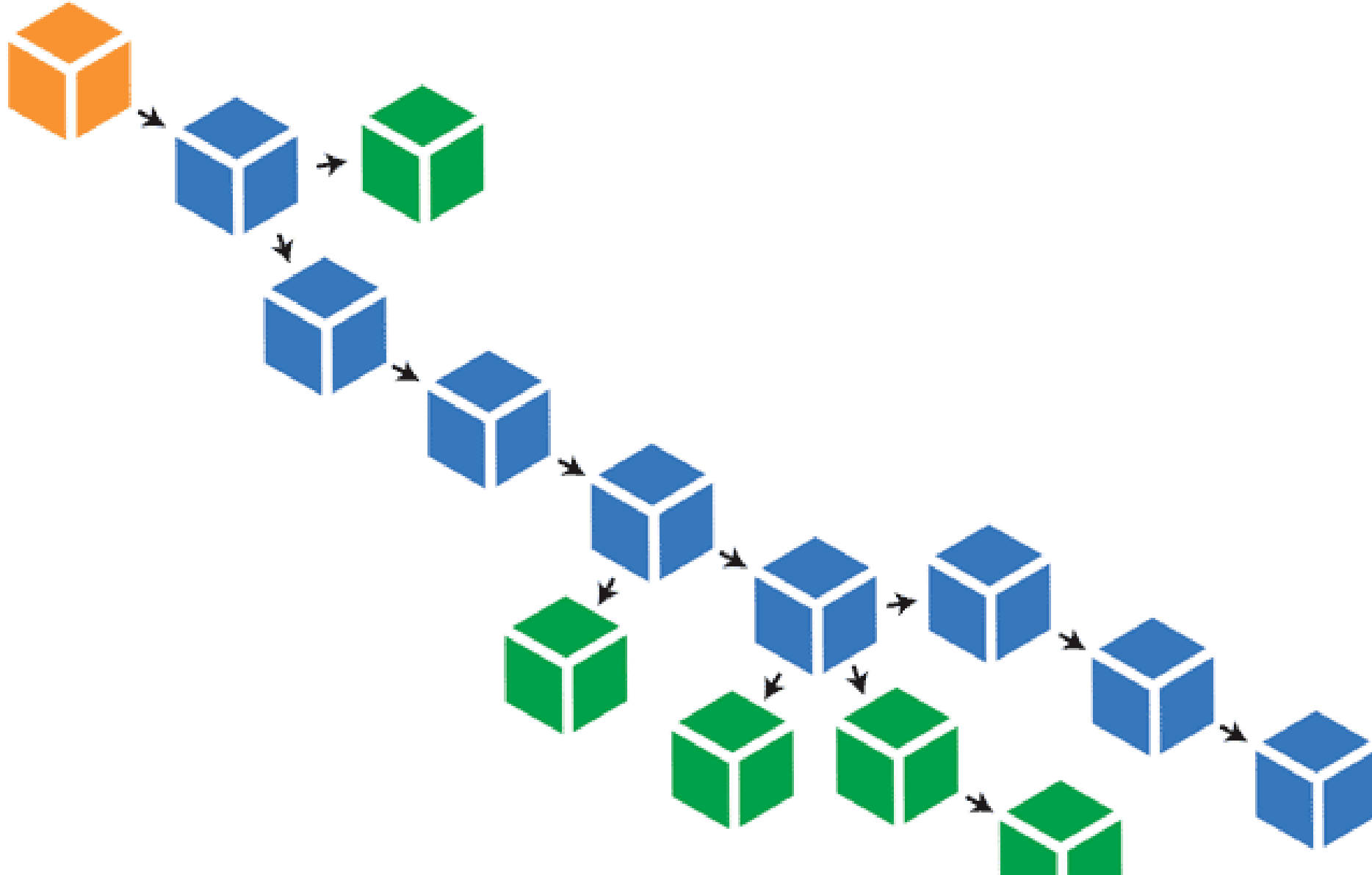


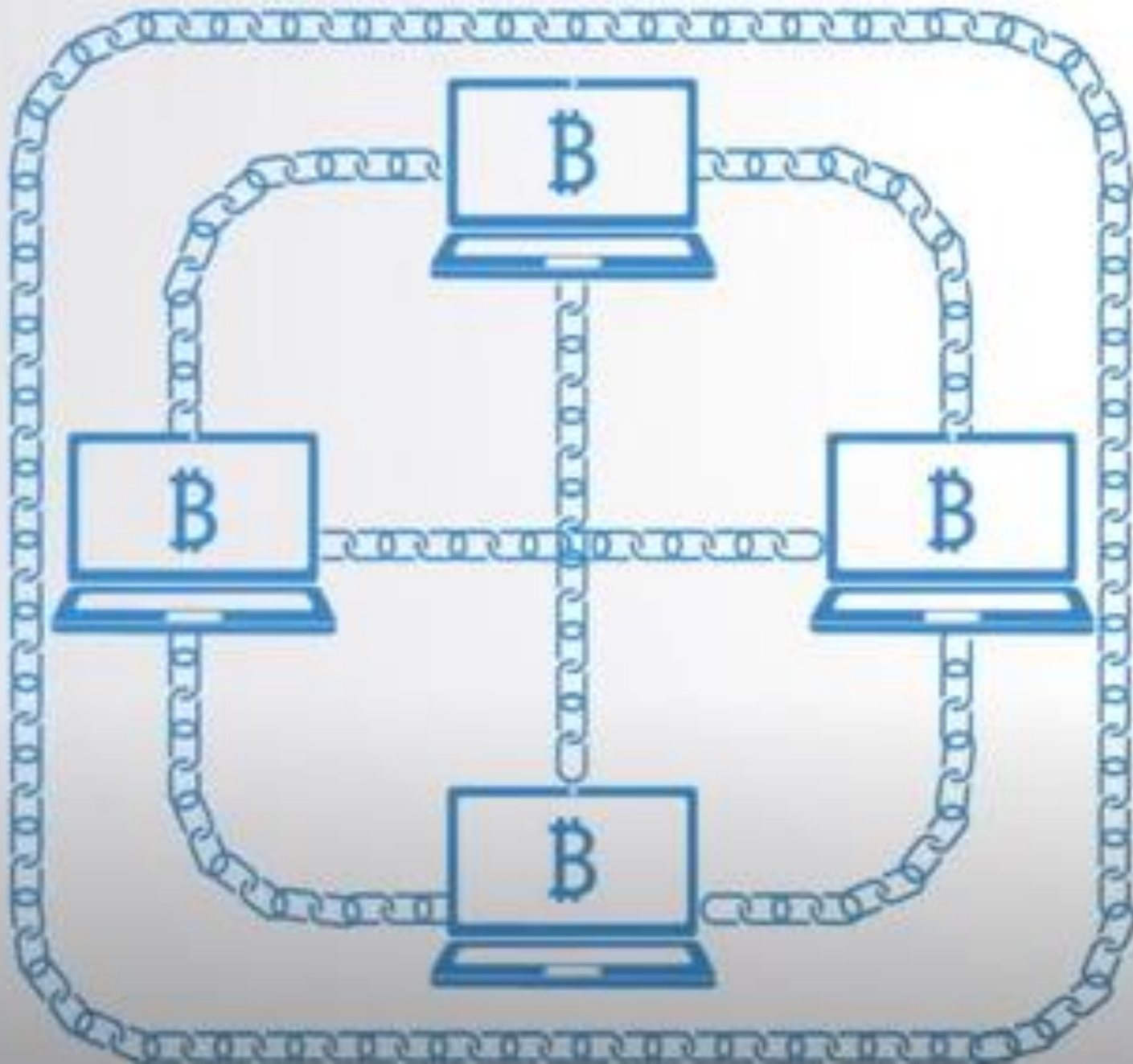
0110001100011000110001100
101101011010110101101011
111101111011110111101111

- They are building and then broadcast the completed block to other nodes

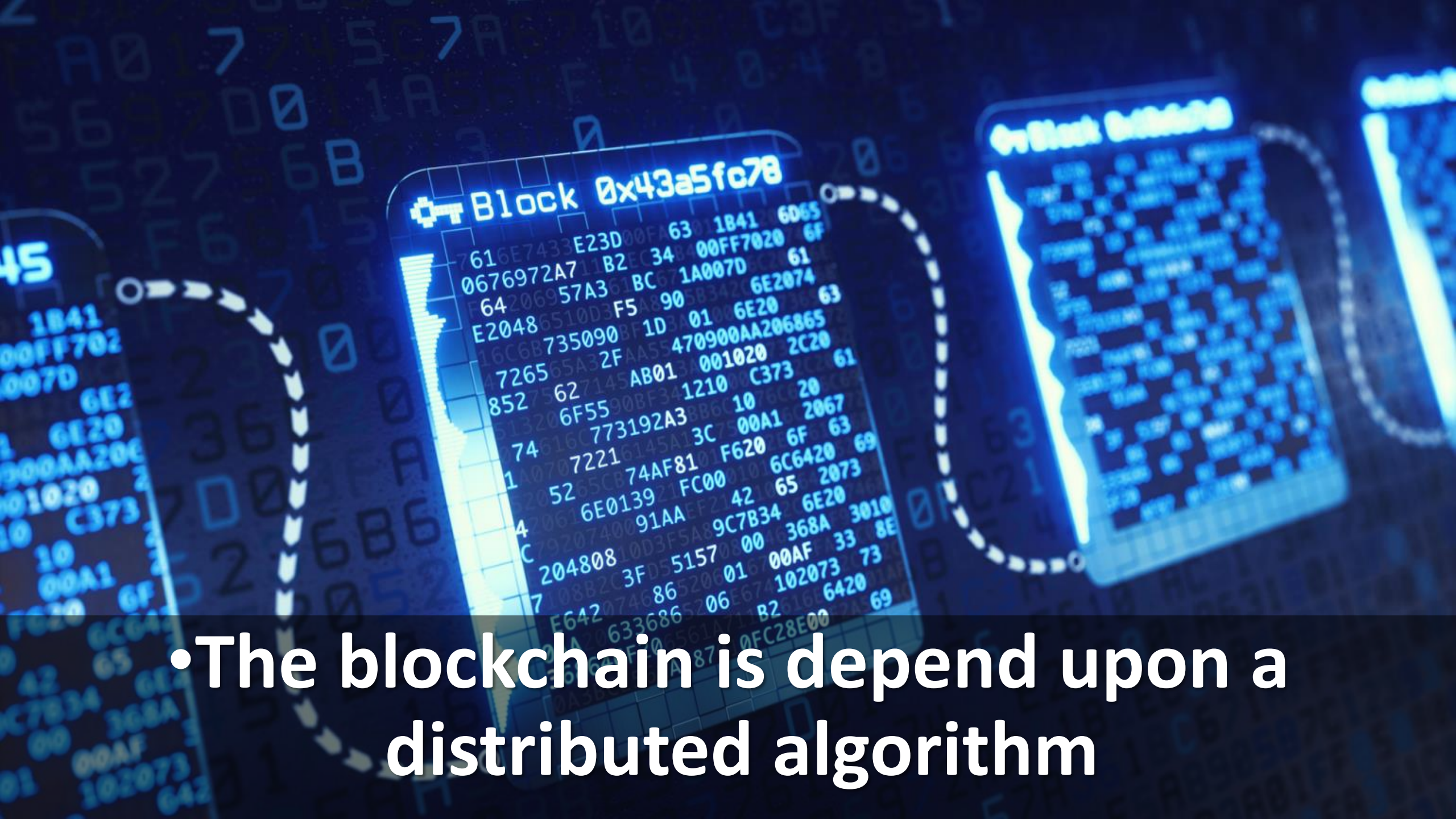


• So that all have a copy of the database



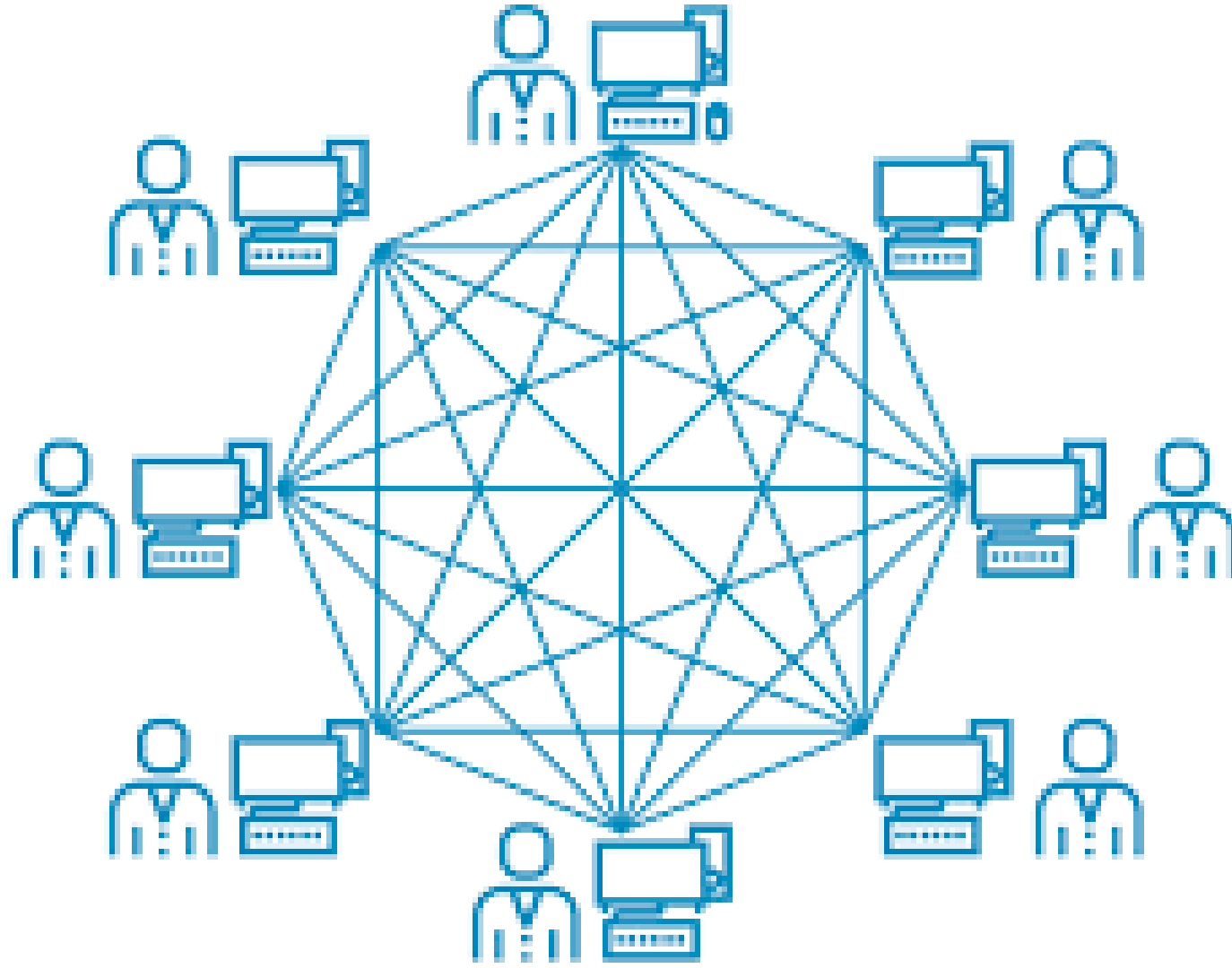


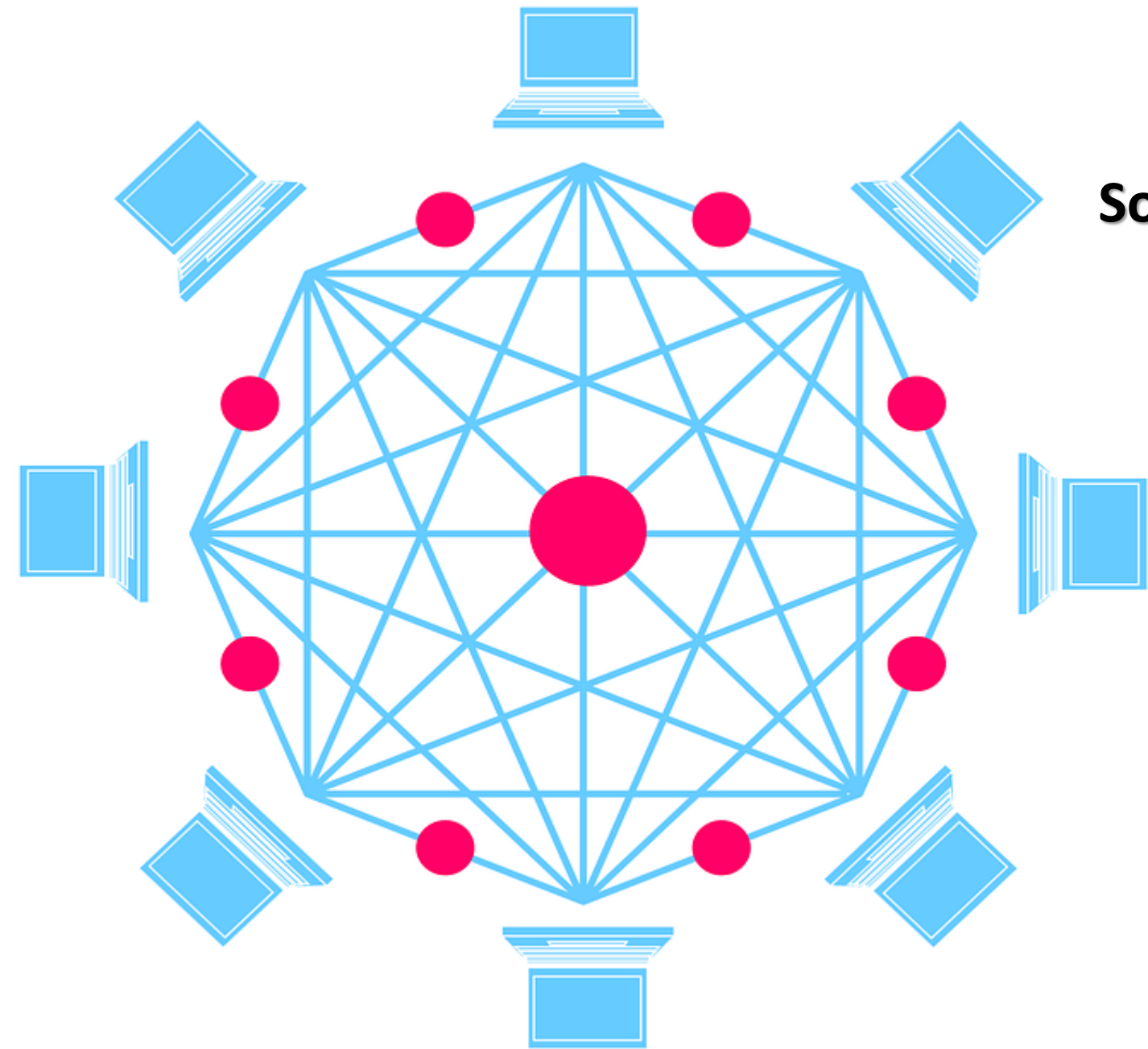
Since There is no centralized component to verify the alterations to the database



- The blockchain is depend upon a distributed algorithm

In order to make an entry onto the blockchain database, all the computers have to agree about his statement





So that no one computer can make an alteration without the permission of others

Once completed block is added to the blockchain as a permanent



The background features a complex network of interconnected nodes. The nodes are represented by 3D cubes in white and yellow, and small circles in white and yellow. These nodes are connected by thin, light blue lines, creating a web-like structure. The overall aesthetic is modern and digital, with a teal-to-blue gradient background and soft, glowing circles scattered throughout.

*To understand this you got to
understand **how a ledger works***

Ledger contains money going in and money going out, like debits and credits



How Bitcoin works?

ACCOUNT: Cash					
Date	Description	Increase		Decrease	Balance
Jan. 1, 20X3	Balance forward				\$ 50,000
Jan. 2, 20X3	Collected receivable	\$	10,000		60,000
Jan. 3, 20X3	Cash sale		5,000		65,000

Ledger

It changes, everyday.

How Bitcoin works?

ACCOUNT: Cash

Date	Description	Increase	Decrease	Balance
Jan. 1, 20X3	Balance forward			\$ 50,000
Jan. 2, 20X3	Collected receivable	\$ 10,000		60,000
Jan. 3, 20X3	Cash sale	5,000		65,000
Jan. 5, 20X3	Paid rent		\$ 7,000	58,000
Jan. 7, 20X3	Paid salary		3,000	55,000
Jan. 8, 20X3	Cash sale	4,000		59,000

Ledger



And your balance.



So in centralized service like **PAYPAL**

WHOSE LEDGER DO WE TRUST





WELL PAYPAL IS A TRUSTED AUTHORITY

THEY ARE THE ONE WHO KEEPS TRACK OF YOUR MONEY




**They are the one who
tell you how much
balance you have**



The background features a dark blue field with a fine grid of small white dots. Overlaid on this are numerous 3D-style geometric shapes in various shades of blue and cyan, including rectangles, squares, and cylinders, some appearing to float or be stacked. A solid black horizontal bar is positioned across the middle of the image, containing white text.

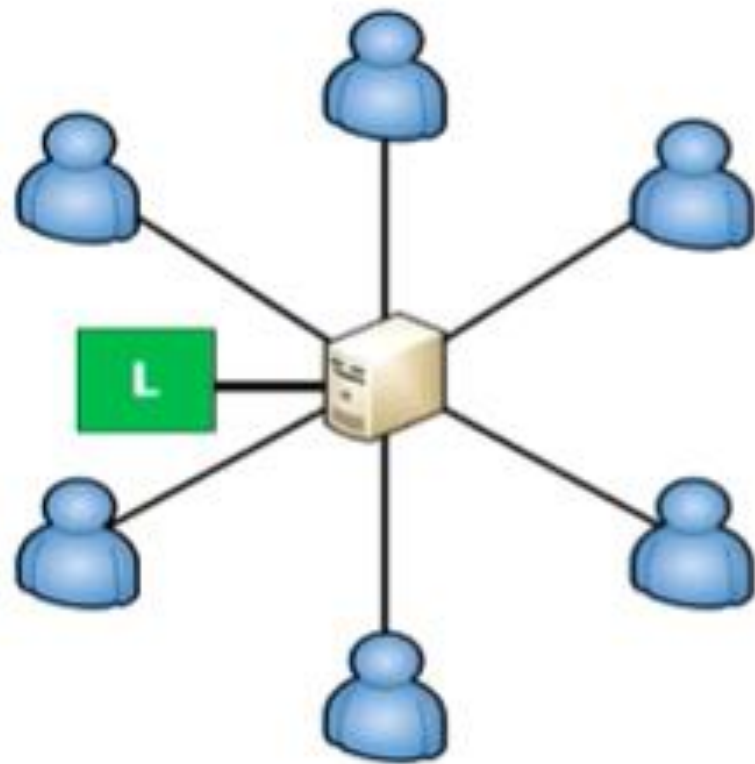
**But in DECENTRALIZED
PAYMENT networks there is**

The image features a series of five laptops arranged in a line from left to right, each glowing with a bright blue light. They are interconnected by a network of glowing blue arcs that represent data connections. The background is a deep blue with a pattern of binary code (0s and 1s) and a grid of light blue lines, creating a digital atmosphere. The overall scene is illuminated with a strong blue light, giving it a futuristic and technological feel.

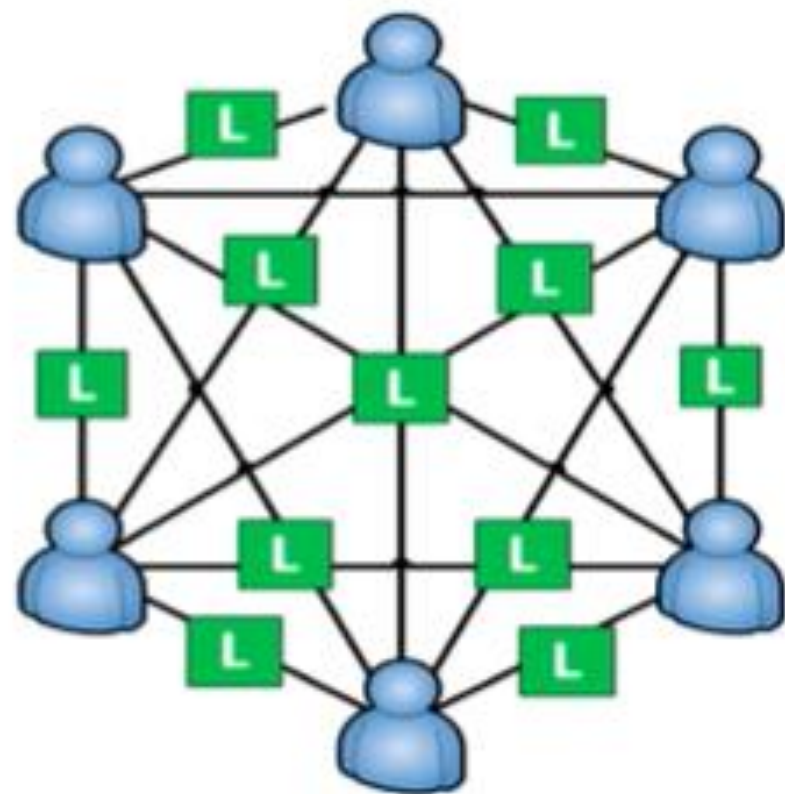
6000 COMPUTERS
AROUND THE WORLD

**All trying to
update the ledger.**

How to update ledger?



**Central
Ledger**



**Decentralized
Ledger**




**THAT'S THE
INNOVATION
HERE**

**That is where the
BLOCKCHAIN comes in**





Here is how it works

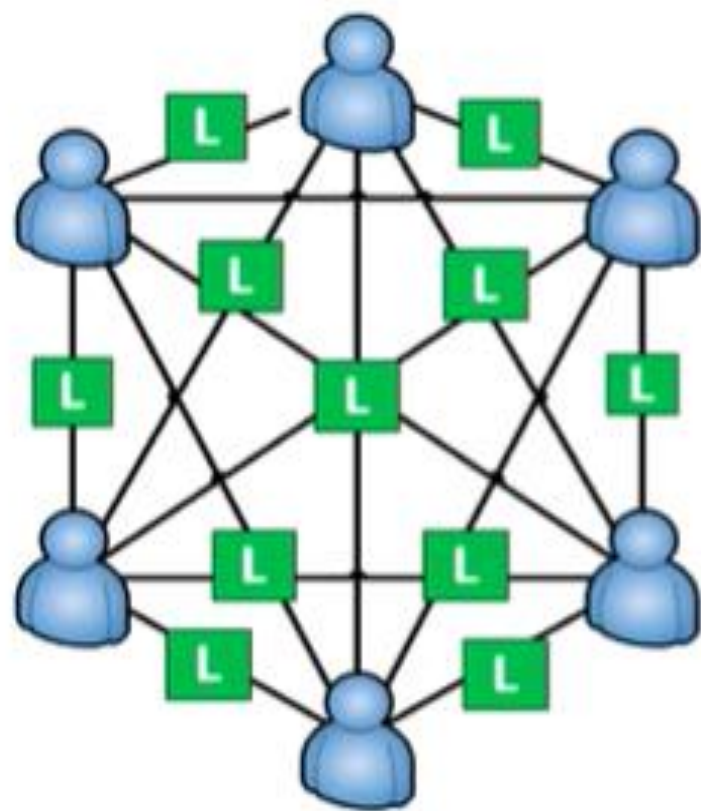
The background features several 3D wireframe cubes, some of which are illuminated with a bright yellow glow. The scene is set against a dark blue background with a soft, glowing light source on the right, creating a lens flare effect. Numerous small, bright blue particles are scattered throughout the space, giving it a sense of depth and digital activity.

Every **10 MINUTES** the
BLOCKCHAIN gets updated

***Get updated
with new
block of
transactions***



Blockchain



- 10 minutes new update
- Miners compete for right to update
- More processing power, more chance to win

Process to decide who updates ledger



To figure out which computer updates the **BLOCKCHAIN** there are all other computers

CALLED MINERS



A close-up photograph of a hand holding a silver pen, signing a document. The document is out of focus, but some text is visible, including the word "Signatures" and "provide reasonable".

HOW DO I GET MINING CONTRACTS?

About 204,000,000 results (0.49 seconds)



Mining contracts

A **mining contract** is an agreement where a customer pays for the output of **mining** power from hardware placed in remote data centers. ... It's like investing in **mining**.
Jan 16, 2019

[decrypt.co](#) > [resources](#) > [mining-contracts](#) ▾
[How Do Mining Contracts Work? | The Beginner's Guide ...](#)

Feedback

People also ask

Is Genesis mining profitable? ▾

How do Bitcoin mining contracts work? ▾

*GOOGLE
FIRST
PAGE
RESULTS*



How long does it take to mine 1 Bitcoin? ▾

Is mining cheap legit? ▾

[Feedback](#)

eiti.org › sites › default › files › documents › mining-c... ▾ PDF

How to Read Mining Contracts

MINING CONTRACTS. How to read and understand them ? ... The following example is from Liberia's Mines and Minerals Law 2000. Later laws have.

eiti.org › document › mining-contract-how-to-read-und... ▾

Mining Contract: how to read and understand them | Extractive ...

Drawing from several of the contracts on ResourceContracts.org, "Mining ... to highlight strong contract clauses and explore how others could be improved.

www.genesis-mining.com › pricing ▾

Bitcoin & Cryptocurrency Mining Contracts | Genesis Mining

Mine the cryptocurrencies Bitcoin, Dash, Litecoin, Zcash, Ethereum, & more based on the sha256, x11 & scrypt ...

Jul 27, 2018 - Uploaded by Genesis Mining

www.cdc.gov › niosh › mining › researchprogram › co... ▾

Mining Contracts - NIOSH - CDC

Left click the tabs to view current or completed contracts. Current contracts only. Title, Short Description, Contractor, Contract/IAG #, Topic Area(s), Completed ...

*GOOGLE
FIRST
PAGE
RESULTS*

[www.geckoandfly.com](#) › [profitable-bitcoin-cloud-mini...](#) ▾

9 Profitable BitCoin Cloud Mining Contracts And Services

Jun 21, 2020 - Unless you own a BitCoin Mining hardware such as Antminer, you will probably not see a single coin mined with your 'powerful' desktop ...

[www.pip.global](#) › [industries](#) › [contract-mining](#) ▾

Contract Mining - Partners in Performance

Improving contractor performance. Sometimes we are asked (by either mining companies or contract mining companies) to improve contract mining performance.

[www.buybitcoinworldwide.com](#) › [mining](#) › [cloud-mining](#) ▾

3 Best Bitcoin Cloud Mining Contract Reviews (2020 Updated)

Jun 26, 2020 - Like the heading says, most cloud mining contracts are scams. Why? Because it's easy for companies to take peoples' money, and then not pay ...

[mining.bitcoin.com](#) ▾

Bitcoin Mining Pool | Bitcoin.com

Start mining immediately with our cloud mining contracts! 100% guaranteed uptime. Hardware Mining. Start mining with your own ASIC hardware and benefit from ...

[www.ajol.info](#) › [index.php](#) › [article](#) › [view](#) ▾

Contract Mining versus Owner Mining – The Way Forward ...

By contracting out one or more of their mining operations, the mining companies can concentrate on their core businesses. This paper reviews contract mining ...

by RS Suglo - 2010 - Cited by 3 - Related articles

*GOOGLE
FIRST
PAGE
RESULTS*

A hand is holding a black smartphone. The screen of the phone is white and displays the eBay logo in its characteristic multi-colored font (red 'e', blue 'b', yellow 'a', green 'y'). Below the logo, the words 'MINING' and 'CONTRACTS' are written in a bold, black, sans-serif font, stacked vertically. The background of the image is out of focus, showing a pinkish-purple surface with some text and a large '\$10' visible on the right side.

ebay™

***MINING
CONTRACTS***

- Litecoin (128)
- Peercoin (91)
- Devcoin (87)
- Dogecoin (84)
- Feathercoin (34)
- Digitalcoin (19)

[See all](#)

Speed (GH/s) ^

- Less than 1 GH/s (34)
- More than 500 GH/s (180)
- Not Specified (501)

[See all](#)

Contract Length v

Condition ^

- Not Specified (817)

[See all](#)

Price

- Under \$4.00
- \$4.00 to \$12.00
- Over \$12.00

\$ to \$ →



Mining Contract 1 Hour (bitcoin) Processing Speed (TH/s) 0.001 BTC

\$14.79
 or Best Offer
 +\$0.01 shipping
 2,019 sold

🏆 Top Rated Seller
 From United States



Mining Contract 1 Hour Get 0.01 ETH in Hour not Days Guaranteed

\$5.97
 or Best Offer
 +\$0.01 shipping

🏆 Top Rated Seller
 From United States



1 Day CLOUD MINING Contract Antminer Rental \$9 13.5TH SHA256 BTC Bitcoin Hashing

\$3.00
 Was: \$5.00 40% off
 or Best Offer
 Free International Shipping
 315 sold

🏆 Top Rated Seller
 From United States



MINING CONTRACT

Related: gift card bitcoin miner bitcoin to wallet bitcoin mining contract 0.01 bitcoin mining rig bitcoin mining contract .01 bto mining contract mining contract bitcoin 0.001 bitcoin ... Include description

- Categories**
- All
 - < Coins & Paper Money
 - < Virtual Currency
 - Mining Contracts**
 - Miners
 - Everything Else
 - Specialty Services
 - Consumer Electronics
- Compatible Currency**
- Speed (GH/s)**
- Contract Length**
- Condition**
- Not Specified (304)
 - [See all](#)
- Price**
- Under \$10.00
 - \$10.00 to \$25.00
 - Over \$25.00
- \$ to \$ →
- Buying Format**
- All Listings (304)
 - Accepts Offers (161)
 - Auction (1)

All Listings Accepts Offers Auction Buy It Now Condition Delivery Options Best Match

304 results for bitcoin mining contr... Save this search

Price Under \$10.00 \$10.00 to \$25.00 Over \$25.00



Mining Contract 1 Hour (bitcoin) Processing Speed (TH/s) 0.001 BTC

\$14.79 or Best Offer +\$0.01 shipping 2,019 sold

Top Rated Seller From United States



1 Day CLOUD MINING Contract Antminer Rental S9 13.5TH SHA256 BTC Bitcoin Hashing

\$3.00 Was: \$5.00 40% off or Best Offer Free International Shipping 315 sold

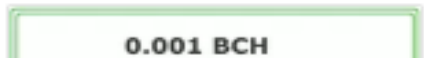
Top Rated Seller From United States



Bitcoin mining contract solo - 2 hours - 18 th/s-up to 65000 \$gains!

\$1.86 Buy It Now +\$0.01 shipping 139 sold

From France



Bitcoin-Cash(0.001 BCH) Mining Contract 1 Hour Get 0.001 BCH Guaranteed

BITCOIN MINING CONTRACT

Include description

Categories

All

- Coins & Paper Money
- Virtual Currency Mining Contracts
- More

Compatible Currency

Speed (GH/s)

Contract Length

Condition

- New (1)
- Not Specified (126)
- See all

Price

- Under \$35.00
 - \$35.00 to \$75.00
 - Over \$75.00
- \$ to \$ →

Buying Format

- All Listings (127)
- Accepts Offers (83)
- Auction
- Buy It Now (127)
- See all

All Listings

Accepts Offers

Auction

Buy It Now

Condition

Delivery Options

Best Match

127 results for cloud mining contract

Save this search

Price

Under \$35.00

\$35.00 to \$75.00

Over \$75.00



CLOUD MINING Contract x10 S9 Antminer Rental 135 TH BITCOIN Mining 1 Day Hashing

\$29.00

Was: \$60.00 42% off

or Best Offer

Free International Shipping

64 sold

Top Rated Seller
From United States



CLOUD MINING Contract Antminer Rental Z11 Zcash 24 Hour 135 Kh/s Zcash Z11

\$14.24

Was: \$16.00 11% off

or Best Offer

Free International Shipping

228 sold

Top Rated Seller
From United States



4 Hour Cloud Mining Contract Bitmain AntMiner Rental S9 13.5TH SHA-256 BITCOIN

\$1.50

Was: \$4.00 63% off

or Best Offer

Free International Shipping

84 sold

Top Rated Seller
From United States



1 Week CLOUD MINING CONTRACT Antminer Rental S9 13.5TH SHA-256 BITCOIN Hashing

\$21.50

or Best Offer

Top Rated Seller
From United States

CLOUD MINING CONTRACT

Related: crypto currency mining contract cryptocurrency mining contract bitcoin mining contract crypto mining rig crypto miner cryptocurrency

Include description

Categories

- All
- < Coins & Paper Money
- < Virtual Currency
- Mining Contracts**
 - Miners
- Everything Else
- Collectibles

Compatible Currency

- Bitcoin (20)
- Ethereum (61)
- Litecoin (19)
- Dogecoin (10)
- Freicoin (4)
- Devcoin (3)
- Digitalcoin (3)
- Feathercoin (3)

See all

Speed (GH/s)

Contract Length

Condition

- Not Specified (262)

See all

Price

- Under \$3.00
- \$3.00 to \$5.00
- Over \$5.00

262 results for crypto mining contr... Save this search

Price

-
-
-



CLOUD MINING Contract x3 S9 Antminer Rental Bitcoin HASHING 40.5 Th/s Crypto BTC

\$9.00
 Was: \$16.00 40% off
 or Best Offer
 Free International Shipping
 119 sold

Top Rated Seller From United States



100 RavenCoin (RVN) CRYPTO MINING-CONTRACT (100 RVN)

\$3.89
 or Best Offer
 +\$0.01 shipping

Top Rated Seller From New Zealand



0.05 Ethereum(ETH) CRYPTO MINING-CONTRACT (0.05 ETH)

\$35.99
 or Best Offer
 +\$0.01 shipping
 57 sold

Top Rated Seller From United States

CRYPTO MINING CONTRACT

WHAT IS MINING?

Mining is a process in which transactions for various forms of cryptocurrency are verified and added to the blockchain digital ledger.



MINING & POW AND POS

PROOF OF
WORK VS

PROOF OF
STAKE



PROOF OF WORK (PoW)



Proof-of-Work, or PoW, is the original consensus algorithm in a Blockchain network.



PROOF OF WORK (PoW)

In Blockchain, this algorithm is used to confirm transactions and produce new blocks to the chain.



PROOF OF WORK (PoW)

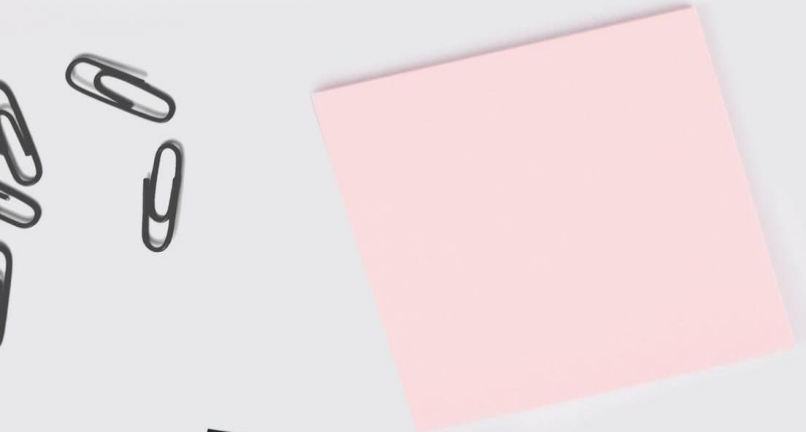
With PoW, miners compete against each other to complete transactions on the network and get rewarded.



PROOF OF STAKE (PoS)



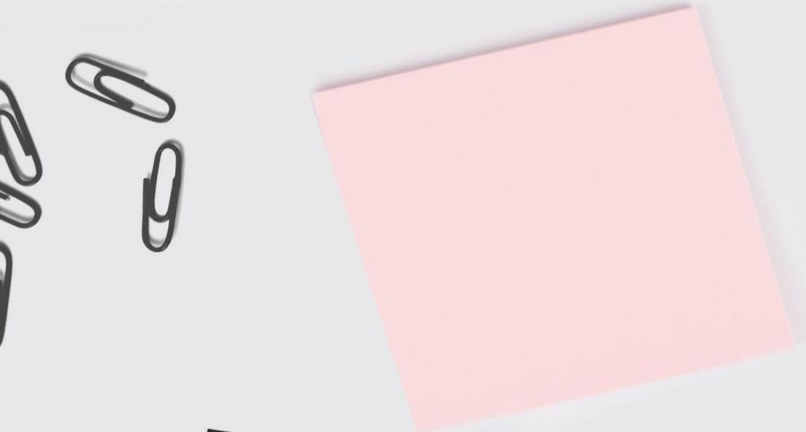
Alternative
to PoW



PROOF OF STAKE (PoS)

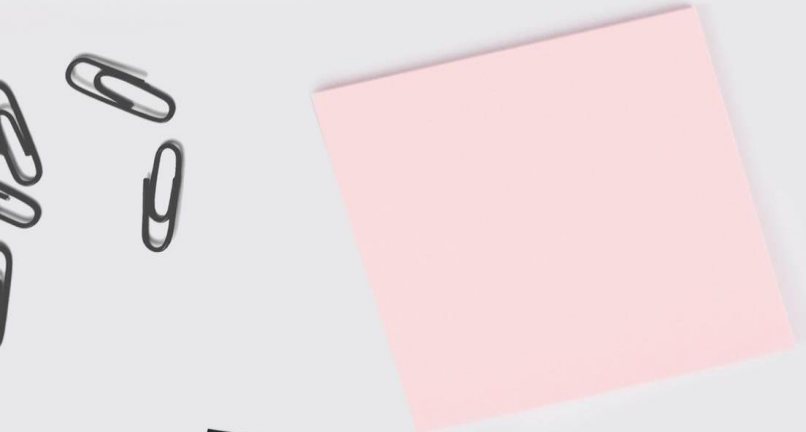


Proof of Stake (PoS)
gives mining power
based on the percentage
of coins held by a
miner.



PROOF OF STAKE (PoS)

PoS is seen as less risky in terms of the potential for miners to attack the network.



WHAT IS WEB MINING?

Users can join the mining process and get rewarded solely with the help of their PC/ Laptop.



MINING COMMUNITY/ POOL

A **Mining pool** is the pooling of resources by **miners**, who share their processing power over a network, to split the reward equally, according to the amount of work they contributed to the probability of finding a block.





**DIFFERENT
METHODS OF
MINING
CRYPTOCURRENCIES**

STRATEGY 18/100

AFFILIATE WEB MINING



THINGS REQUIRED

**E-WALLET/
CRYPTO WALLER**

**MINING
CONTRACT**

**MINING
COMPATIBLE
WEBSITE**

**CPUs (CENTRAL
PROCESSING
UNIT)**

**PUBLISHER
ACCOUNT WITH
AFFILIATE
PROGRAM**

**AFFILIATE
PLATFORM**

**PAYPAL/ BANK
ACCOUNT**

**CONSENT OF
THE MINING PC/
LAPTOP**

**REGISTRATION
FEE**

**PC/ LAPTOP/
INTERNET
POWER, ETC.**

**YOUR
WEBSITE**

TRAFFIC

**AFFILIATE
PROGRAM**

**WEB
MINING**



***Your Website Traffic Is
Monetizing With Mining
As Well.***

A wide-angle photograph of a multi-lane highway during sunset. The sky is a warm orange and yellow, with long shadows cast across the road. Several cars are visible in the distance, and a series of streetlights line the left side of the road. A large, semi-transparent yellow rectangle is centered over the image, containing the text.

MONETIZING WEBSITE TRAFFIC FOR MINING CONTRACT



CONVERT YOUR
PC / LAPTOP /
MAC INTO AN
EARNING
MACHINE!



**HOW WILL
VISITORS
CONNECT TO A
MINING WEBSITE?**

STEP 01:



**POP-UP MESSAGE ASKING THE VISITOR
IF HE/SHE IS INTERESTED TO EARN**

REGISTRATION FORM

First Name *

Last Name *

Email *

Phone *

Address

City *

Country *

PC/ Laptop/ Mac Brand

PC/ Laptop/ Mac Model

PC/ Laptop/ Mac Processor Details (RAM and Hard Disk)

Comments

**STEP
02:**

REGISTRATION FORM FOR MINING

STEP 03:



CONFIRMATION OF THE DEVICE

***STEP
04:***



**DEVICE CONFIGURATION AND SCANNING
OF THE PROCESSOR AND NET SPEED**

STEP 05:



CREATE ACCOUNT



Email

Password

[Create new account](#)

[Forgot password](#)

Apply

CREATE E-WALLET ACCOUNT FOR COLLECTING REWARDS. WALLET IDENTIFIER ISSUED AFTER CREATING THE ACCOUNT

*The device is
now ready
for mining.*





**HOW TO GET THE MINING
CONTRACT TO EARN THIS REVENUE?**

<https://webmining.website/>

Convert your PC/ Laptop/ Mac
into an Earning machine!

Search for...




[HOME](#) [WHY MINING](#) [ABOUT THE PROJECT](#) [MINING CONTRACT](#) [FAQ](#) [CONTACT US](#)

**WE INVITE YOU TO THE
POWER OF FUTURE!**


**BE A PART OF OUR
BLOCKCHAIN PROJECT.**

Reserve Your Mining Contract Now!

 [REGISTER NOW](#)



Get your fully customized web mining contract and become a miner with
your PC/ Laptop/ Mac in the era of the digital revolution.

 [REGISTER NOW](#)

AWMC WEB MINING

AWMC allows mining to be within everyone's reach.

With a mission to run efficient blockchain projects, AWMC combines all its fundamental aspects, starting from building highly

**SPECIAL
OFFER**





***GET WEB
MINING
CONTRACTS
AT A SPECIAL
PRICE!***

**ENTRY LEVEL
WEB MINING
CONTRACT**

BEFORE: USD 99

NOW: FREE

**PREMIUM
WEB MINING
CONTRACT**

BEFORE: USD 399

NOW: USD 99

**PREMIUM PRO
WEB MINING
CONTRACT**

BEFORE: USD 999

NOW: USD 399



**VALID UNTIL 31ST OCTOBER,
2020 (SATURDAY)**

*Note: cannot be redeemed with any other offers




**HURRY UP AND GRAB THE
OPPORTUNITY!**



INTERNET BUSINESS IDEA 8/100

**CONNECTING YOUR PC/ LAPTOP TO
A WEBSITE FOR MINING**

A desk setup featuring a large computer monitor with a white screen displaying text. In front of the monitor is a white keyboard and a white mouse. To the right of the mouse is a white coffee cup with a black lid, a black camera, and a wooden holder. A large green plant is visible in the background on the right. On the left, there is a white shelf with a red toy truck, a blue and red biplane, and a red cup. A white laptop is open in the foreground on the left.

***Mining Process can
take place from
PC/ laptop by
connecting it to a
website that
supports it***



STEPS FOR MINING

**WHEN YOU VISIT A WEBSITE THAT IS
CONNECTED TO OUR MINING PROJECT**

STEP 01:



**POP-UP MESSAGE ASKING THE VISITOR
IF HE/SHE IS INTERESTED TO EARN**

REGISTRATION FORM

First Name *

Last Name *

Email *

Phone *

Address

City *

Country *

PC/ Laptop/ Mac Brand

PC/ Laptop/ Mac Model

PC/ Laptop/ Mac Processor Details (RAM and Hard Disk)

Comments

**STEP
02:**

REGISTRATION FORM FOR MINING

STEP 03:



CONFIRMATION OF THE DEVICE

***STEP
04:***



**DEVICE CONFIGURATION AND SCANNING
OF THE PROCESSOR AND NET SPEED**

STEP 05:



CREATE ACCOUNT



Email

Password

[Create new account](#)

[Forgot password](#)

Apply

CREATE E-WALLET ACCOUNT FOR COLLECTING REWARDS. WALLET IDENTIFIER ISSUED AFTER CREATING THE ACCOUNT

*The device is
now ready
for mining.*





MINING PROCESS

AFTER REGISTRATION IS COMPLETE



Mining process will take place as long as the device is running and is connected to the net.





Depending on the usage of the device, the percentage of the processor used for mining will be shown in the system.

SYSTEM USAGE:

The screenshot displays the ADM software interface. At the top, it shows the ADM logo and the text '*Amount mined*'. Below this, there are three main navigation buttons: 'General info Home' (with a house icon), 'Current activity Activity' (with a document icon), and 'Modify settings Settings' (with an information icon). The 'Current activity' section shows '2 miners active'. The 'Modify settings' section shows 'Autostart disabled'. Below these is a 'Settings' section with a sub-header 'Modify settings - General'. On the left, there is a sidebar menu with options: 'General', 'Miners', 'Payment', and 'Schedule'. The main content area shows a calendar grid for the week of Monday to Sunday. The grid is color-coded: blue for active hours (06:00 to 18:00) and red for non-active hours (18:00 to 06:00). A legend at the bottom explains the colors: blue for active hours, red for non-active hours, and gray for when the table is disabled. A specific event is noted: 'Monday, 2:00 - 2:59'.

Amount mined

General info Home
Running since 03-11-2017 07:57

Current activity Activity
2 miners active

Modify settings Settings
Autostart disabled

Settings
Modify settings - General

General
Miners
Payment
Schedule

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

06:00 12:00 18:00

Monday, 2:00 - 2:59

Active hours (miners will run during these hours)
Non active hours (miners will be stopped during these hours)
When the above table is disabled (grayed out) miners will be permanently started

**FEATURE TO SELECT THE CONVENIENT DAYS
AND TIMINGS FOR MINING PROCESS**

DAILY REPORT:

The screenshot displays the ADM mining software interface. At the top, it shows the ADM logo and the text '*Amount mined*'. Below this are three main navigation tabs: 'General info' (Home), 'Current activity' (Activity), and 'Modify settings' (Settings). The 'General info' tab is active, showing 'Running since 02-08-2018 15:59'. The 'Current activity' tab shows '3 miners active'. The 'Modify settings' tab shows 'Restart needed'. Below the navigation tabs is a green bar with 'Home' and 'General info' on the left, and a refresh icon followed by '0.00168786 BTC' and 'Confirmed balance' on the right. The main content area is divided into three columns: 'Daily income by currency', 'Daily total income', and 'Monthly total income'. The 'Daily income by currency' column lists: 0.04611 ETC (Ethereum Classic), 0.00186 XMR (Monero), and 0.09206 BTG (Bitcoin Gold). The 'Daily total income' column lists: 3.17 USD and 0.00042 BTC (Bitcoin). The 'Monthly total income' column lists: 98.32 USD and 0.01300 BTC (Bitcoin). At the bottom, there are links for 'Follow us on Facebook', 'User support', 'Run benchmark', and 'Open your online wallet (account)'. A green 'Stop' button is located in the bottom right corner.

Amount mined

General info Home
Running since 02-08-2018 15:59

Current activity Activity
3 miners active

Modify settings Settings
Restart needed

Home
General info

0.00168786 BTC
Confirmed balance

Daily income by currency	Daily total income	Monthly total income
0.04611 ETC (Ethereum Classic)	3.17 USD	98.32 USD
0.00186 XMR (Monero)	0.00042 BTC (Bitcoin)	0.01300 BTC (Bitcoin)
0.09206 BTG (Bitcoin Gold)		


Follow us on Facebook
User support

Run benchmark
Open your online wallet (account)

Stop

**FEATURE TO CHECK THE PROGRESS
REGULARLY**

ACCOUNT:







abc123@gmail.com

- My Account
- Transfers
- Transaction History
- My Workers


My Account Status: OK

Your Wallets

Confirmed	Pending	Algorithm
 47.008482567 XMR	-	Cryptonight
 0.0000000000 ZEC	-	Equihash
 0.0000000000 ETH	-	Claymore
 73.941749243 ZEC	0.0070045740 ZEC	EWBF

The "Confirmed balance" is the actual balance that is currently in your account. It is available for transfers to another wallet. The "Pending balance" refers to an amount that you will receive as soon as the mining pool will transfer the money to BetterHash.

CHECK THE WALLET STATUS

A photograph of two women in an office setting. They are looking at a computer monitor. The woman in the foreground is on the left, and the woman in the background is on the right. The monitor displays a website with a blue header and some text. The background is slightly blurred, showing office furniture and other monitors.

When the mining ends, the blockchain network, the company, the website owner, and the mining laptop owner gets their share of mining rewards.

INTERNET BUSINESS IDEA

9/100

A scenic landscape at sunrise or sunset with several hot air balloons floating in the sky over rolling hills. The sun is low on the horizon, creating a warm orange and yellow glow. The hills are silhouetted against the bright sky. There are five hot air balloons: one red one near the sun, two blue ones in the middle, and two colorful ones (one with a globe pattern) on the right.

AIRDROPS

STRATEGY

19/100

**Participate in the
AIRDROPS
opportunity in the
various blockchain
projects**



WHAT ARE AIRDROPS?

An airdrop for a [cryptocurrency](#) is a procedure of distributing new tokens/coins by awarding them in a certain proportion to existing holders of a particular blockchain currency, such as [Bitcoin](#) or Ethereum etc.



EARNING AIRDROPS:

- Required to maintain a crypto wallet

- Rewarding Faithful Early Investors

- Rewarding Task Completion

Marketing



**SEARCH IN GOOGLE
FOR DIFFERENT
AIRDROPS
OPPORTUNITY IN THE
BLOCKCHAIN PROJECTS**

EXAMPLES:



OMISEGO:

7 million OMG
Airdrop- worth
\$136 Million



STELLAR:

2 billion XLM
Airdrop- worth
\$120 Million



POLYMATH:

10 million POLY
Airdrop- worth
\$12.4 Million



**CALL
TO
ACTION**

SAMPLE CALCULATION





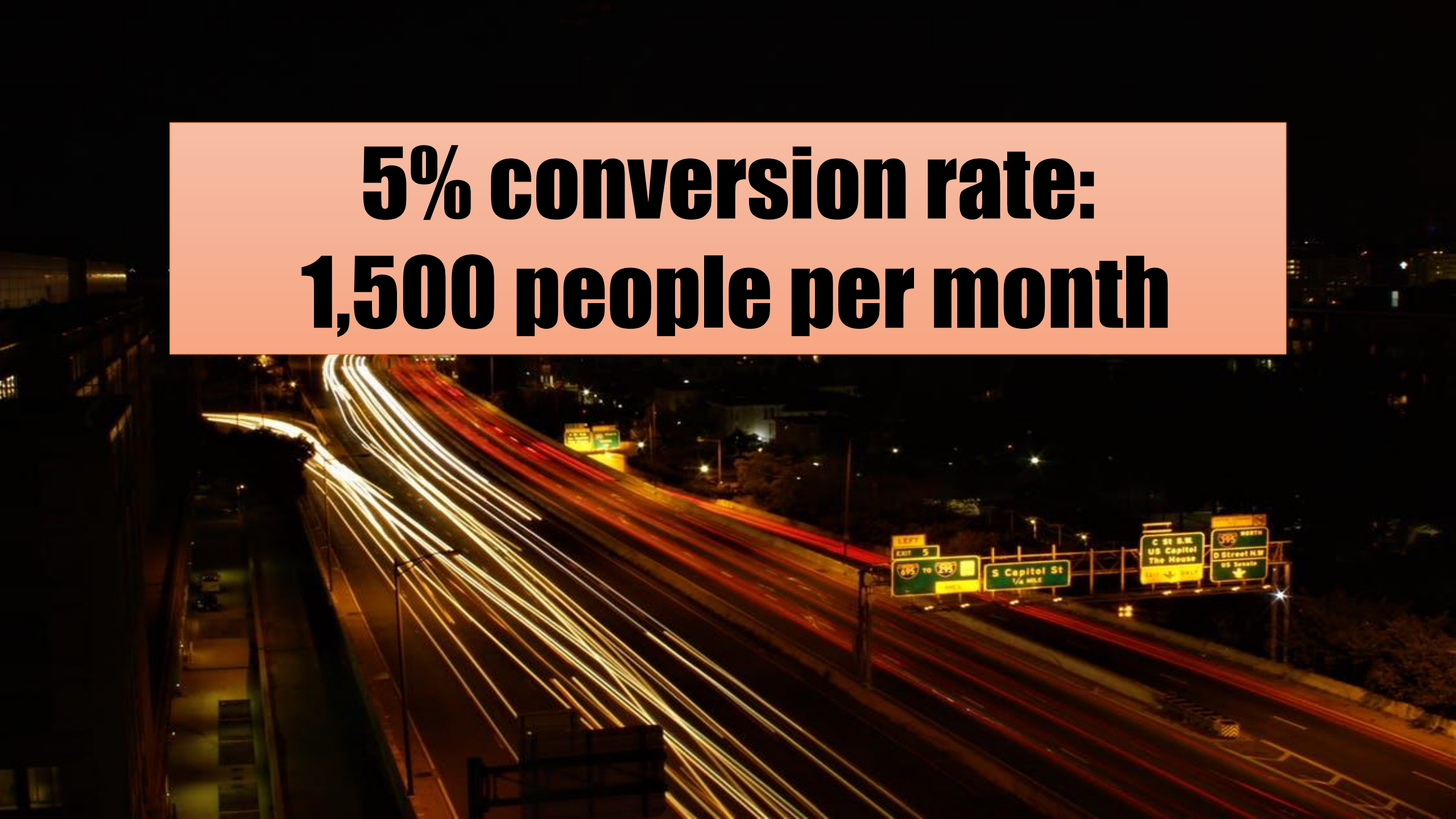
**SAMPLE
CALCULATION FOR
AFFILIATE
PROGRAM**

A black and white photograph of a busy market street, likely the Grand Bazaar in Istanbul. The scene is filled with people, shops, and market stalls. In the foreground, a woman wearing a cap and sunglasses is looking towards the camera. The background shows a long, arched hallway with various shops and displays. A sign in the upper right corner reads "KAPALI ÇARŞI DERGİSİ TEMMUZ SAYISI İLE SİZLERLE".

**1,000 PEOPLE VISITING
YOUR WEBSITE PER DAY**

**30,000 PEOPLE VISITING
YOUR WEBSITE PER
MONTH**

**5% conversion rate:
1,500 people per month**



CPS CONVERSION

25% CONVERTED- **375 PEOPLE**

\$50 AVERAGE PRODUCT PRICE

10% CPS FOR ONE CONVERTED LEAD=

\$5 PER LEAD

TOTAL= 375 X 5= \$1875

CPA CONVERSION

25% CONVERTED- **375 PEOPLE**

\$4 CPA FOR ONE CONVERTED LEAD

TOTAL= 375 X 4= **\$1500**

CPL CONVERSION

25% CONVERTED- **375 PEOPLE**

\$2 CPL FOR ONE CONVERTED
LEAD

TOTAL= 375 X 2= **\$750**

CPM CONVERSION

30,000 VISITORS

\$5 CPM FOR 1000 LEADS

TOTAL= 5 X 30= **\$150**

TOTAL AFFILIATE REVENUE

\$4,275



A photograph of a desk setup. In the foreground, a white computer mouse sits on a dark brown mousepad on a light-colored wooden desk. Behind the mousepad, a silver laptop is partially visible. In the background, a large computer monitor is mounted on a wall. The monitor displays a desktop with a blue sky and mountains wallpaper and the text "WORKHARD" and "WHERE". To the left of the monitor, a white desk lamp is mounted on the wall. To the right, a small green plant in a wooden planter is visible. A semi-transparent blue rectangular box is overlaid on the center of the image, containing white text.

**WITH DUAL INCOME, IN
ADDITION TO THE
COMMISSIONS WE ALSO HAVE
WEB MINING**

SAMPLE CALCULATION FOR MINING

2 499 808
3 227 076
4 050 935
R 28 331

468 522
491 948
516 545
42 372
369 491

1 005 037
1 620 915
2 324 149
3 124 764
4 033 850

Start at monthly

Can we do this?

5 063 675
R 35 414

To mine 1 USD
worth crypto-
apprx. 12 minutes

In 1 hour- 5
USD generated



In 20 hours a
day-
100 USD
generated



**25 % - MINER (PC OF
LAPTOP OWNER) = 25 USD**

**25 % - WEBSITE OWNER =
25 USD**

**25 % - AWMC AFFILIATE
PROGRAM = 25 USD**

25 % - AWMC = 25 USD





**1000 PEOPLE CONNECTED
TO YOUR WEBSITE**

**1000 X 25 = 2500 USD
PER DAY REVENUE**

MONTHLY REVENUE GENERATED:

**AFFILIATE INCOME + MINING
INCOME = \$ (4,275 + 75,000)**

TOTAL= \$79,275



ANNUAL

**Airdrops - worth
\$3,000**

**Access to AWMC
Affiliate Program-
Airdrops
worth \$1,000**

ANNUAL REVENUE GENERATED:

**(AFFILIATE INCOME + MINING
INCOME) X 12 + AIRDROPS =
\$ (951,300 + 4000)**

TOTAL= \$ 955,300

<https://webmining.website/>

Convert your PC/ Laptop/ Mac
into an Earning machine!

Search for...




[HOME](#) [WHY MINING](#) [ABOUT THE PROJECT](#) [MINING CONTRACT](#) [FAQ](#) [CONTACT US](#)

**WE INVITE YOU TO THE
POWER OF FUTURE!**

**BE A PART OF OUR
BLOCKCHAIN PROJECT.**

Reserve Your Mining Contract Now!

 REGISTER NOW



Get your fully customized web mining contract and become a miner with
your PC/ Laptop/ Mac in the era of the digital revolution.

 REGISTER NOW

AWMC WEB MINING

AWMC allows mining to be within everyone's reach.

With a mission to run efficient blockchain projects, AWMC combines all its fundamental aspects, starting from building highly

<https://adm.qa/admstore>



الشركة
DIGIMENTORS

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ADM STORE

ADM offers a wide range of products and services to help you build your business online. Explore these various packages to see what suits your needs as a Digital Entrepreneur!



ENTRY LEVEL WEB MINING CONTRACT

\$99.00 \$500.00

ADD TO CART



PREMIUM WEB MINING CONTRACT

\$399.00 \$3,200.00

ADD TO CART



PREMIUM PRO WEB MINING CONTRACT

\$999.00 \$16,000.00

ADD TO CART

BLOCKCHAIN AND BELFRICS



***In a world wherever
we go, we are asked
for our personal
information for
verification.***



***BUT WHAT HAPPENS
TO YOUR PERSONAL
INFORMATION AFTER
SHARING?***



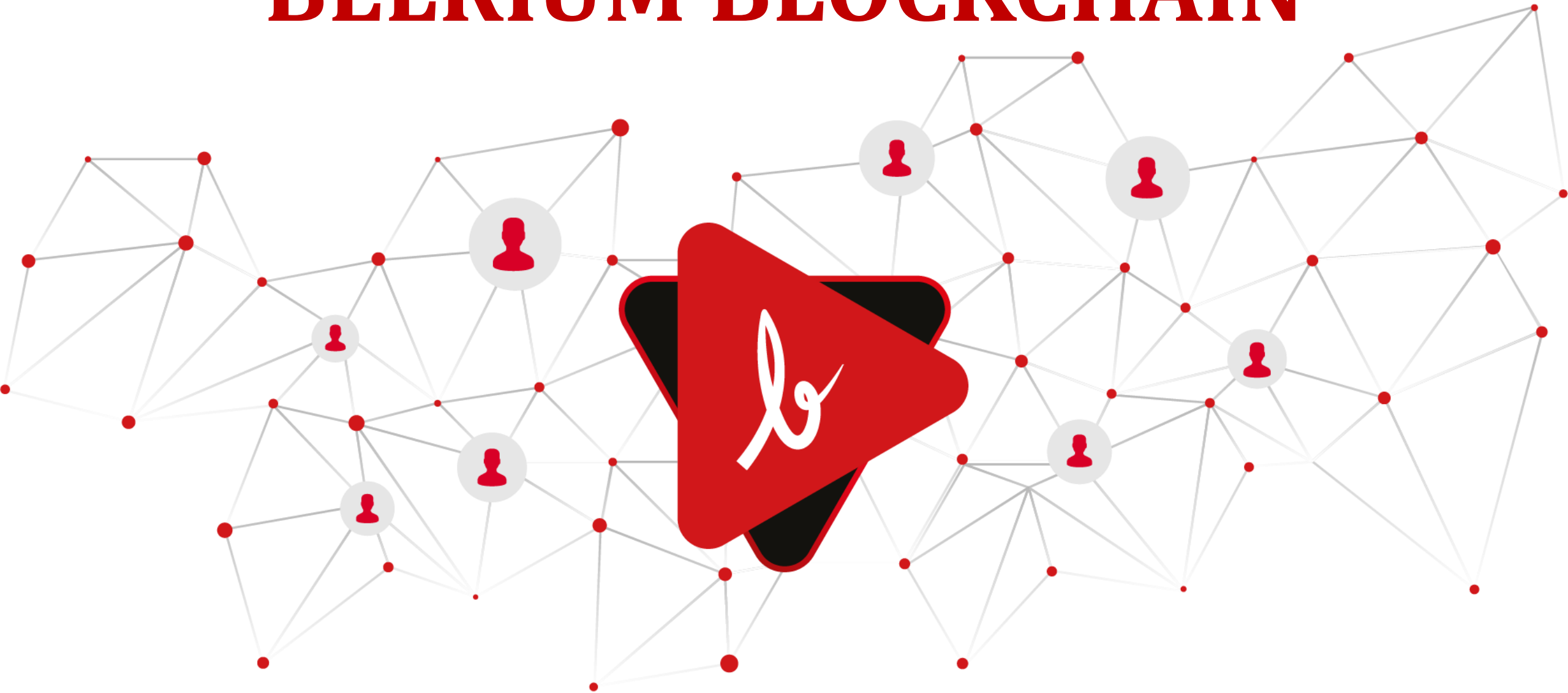


**ARE THEY SECURELY DESTROYED OR
ARE THEY STOLEN?**



**Blockchain
technology
provides a solution
to these kinds of
problems!**

BELRIUM BLOCKCHAIN





***Belrium Blockchain
acts as a gate keeper
and it allows access to
the documents only to
the merchants/
business places
approved by you.***



After the merchant verifies the Belrium ID, he cannot access the information again without your permission.

**FROM THE
BUSINESS /
MERCHANT
PERSPECTIVE:**





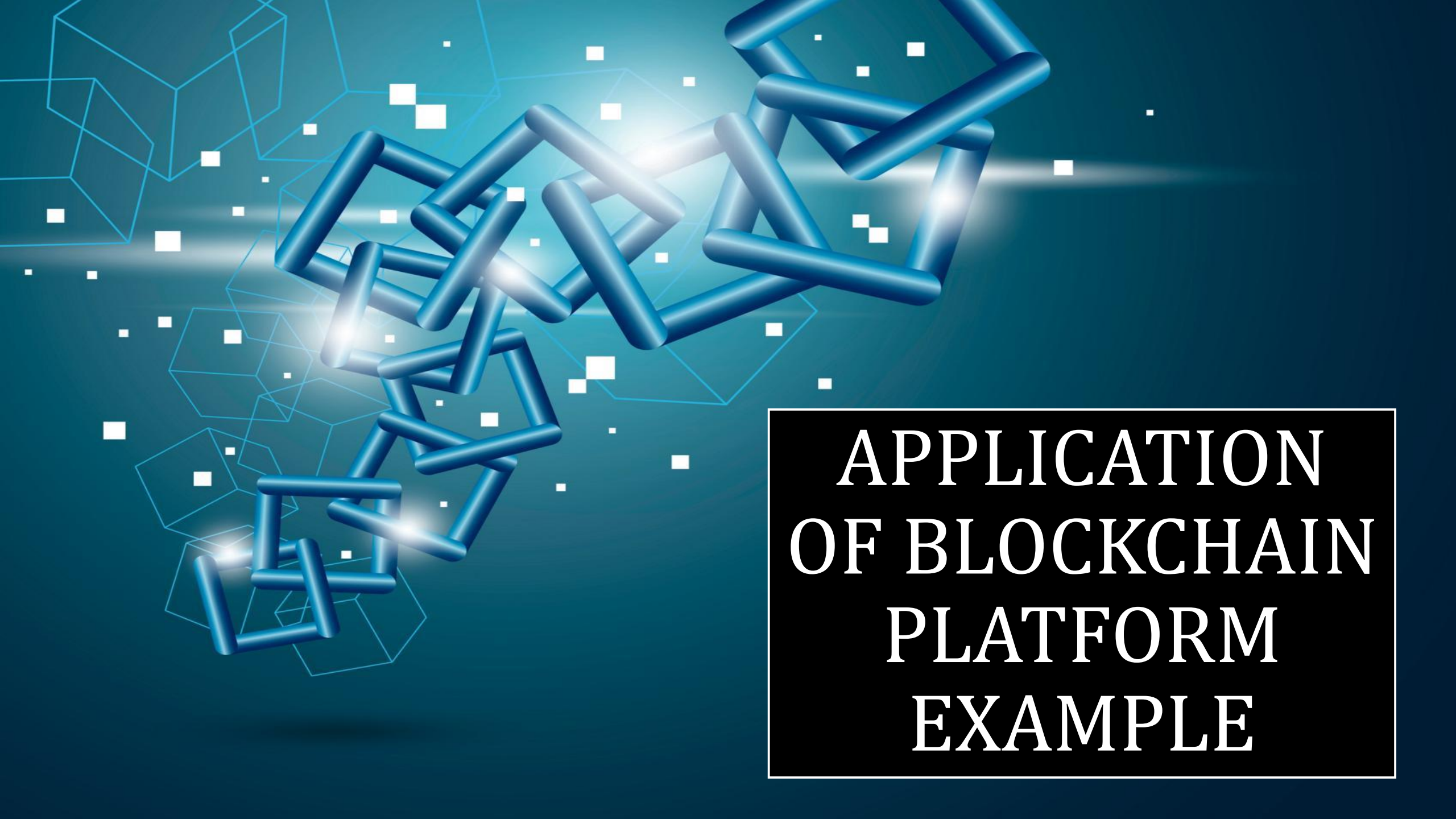
***Belrium Blockchain
enables the business
to verify and store
the visitor
information***

**No More
Time
Consuming
KYC
Processes!**





Store the visitor data digitally on blockchain and avoid the hassle of collecting and maintaining heaps of papers



APPLICATION
OF BLOCKCHAIN
PLATFORM
EXAMPLE



**INDIA'S FIRST
COVID-19
BLOCKCHAIN
PLATFORM**



DEVELOPED BY BELFRICS
IN COLLABORATION IN
RESEARCH PARTNERSHIP
WITH IIT-B AND FUNDED
BY MPHASIS F1-
FOUNDATION



***Designed For
Clinical Records
And Vaccination
Details***

**INITIAL STAGE- WILL
BE COVERING 500
CLINICS ACROSS INDIA**



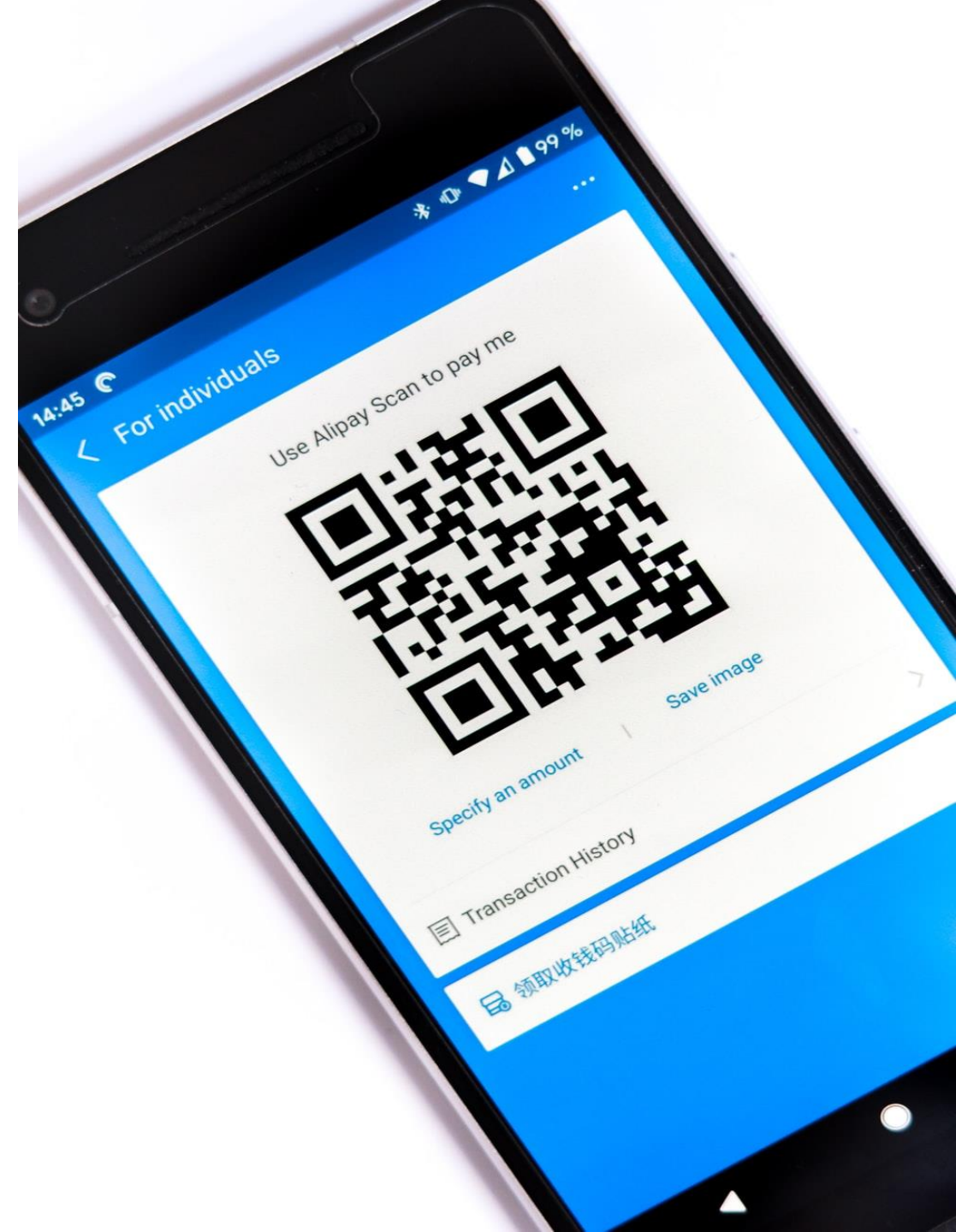
WILL VENTURE INTO GLOBAL MARKETS BY 2023



**CONVERTS COVID DATA
LIKE TEST RESULTS FROM
PHYSICAL TO DIGITAL
ASSETS.**



***Allows Users To Carry
Medical Records Digitally
And Can Be Retrieved By
QR Code***





**ENSURES DATA PRIVACY- TAKEN CARE BY
THE BLOCKCHAIN PROCESS**

A photograph of three healthcare professionals in a bright, modern clinical setting. In the center, a middle-aged male doctor with grey hair and a beard, wearing a white lab coat and a blue stethoscope, is smiling warmly. He is engaged in conversation with a man in a light blue button-down shirt on the left. In the background on the right, a female nurse in a light purple scrub top is also smiling. The scene is brightly lit, suggesting a window or large light source. An orange banner with white text is overlaid at the bottom of the image.

**CLINICS & USERS ARE THE 2 PARTIES
TO THE CERTIFICATION PROCESS**

Apart from health records, Belfrics users would also get the option of digitising other vital information such as personal documents, social security details, educational certificates, financial statements and child's vaccination records.



BELshare enables merchants, including offices, shops, malls, salons and theatres to get access to quantitative insights about all visitors entering their premises by simply scanning the QR code on the visitors' app.



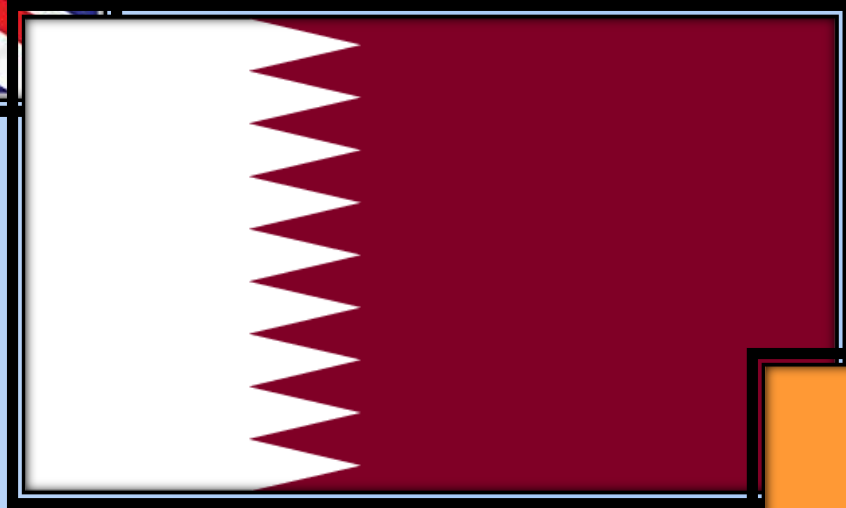


AFFILIATE
WEB MINING

**AFFILIATE WEB
MINING
CONSORTIUM:
REGISTERED IN
THREE
*COUNTRIES***



**UNITED
KINGDOM**



QATAR



INDIA

UNITED KINGDOM

**GLOBAL CORPORATE OFFICE-
FOR MARKETING ACTIVITIES**



QATAR

**ADMIN AND OPERATIONAL
ASPECTS**





INDIA

**TECHNICAL SUPPORT &
DEVELOPMENT**



HOW ABOUT A JOB IN YOUR OWN COMPANY?

How About Earning While At Vacation





THE NEXT GENERATION MONEY MAKING SYSTEM!

THIS IS THE RIGHT TIME TO DISCUSS



THE MAC CO-FOUNDER OPPORTUNITY

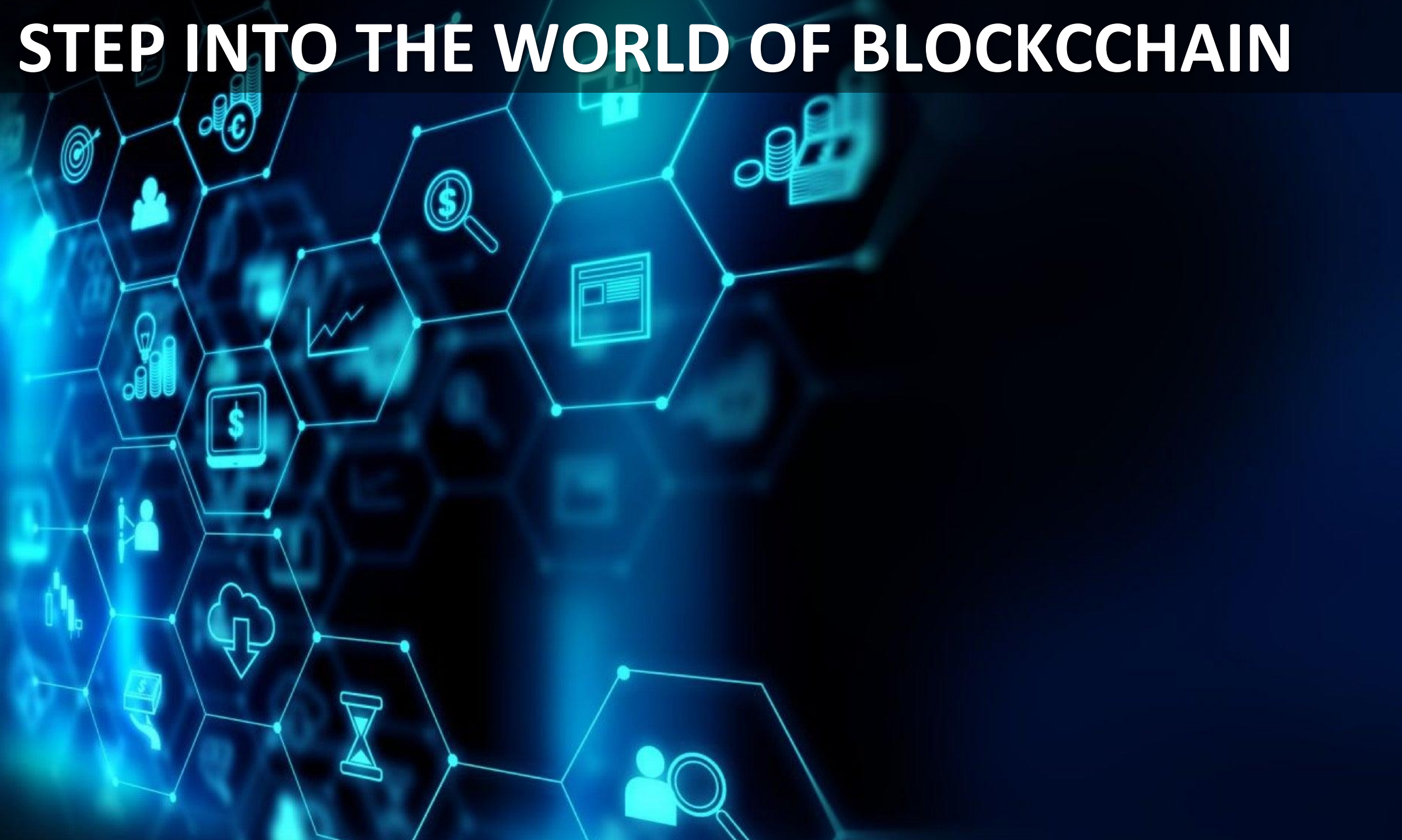
OUR IDENTIFICATION PROCESS OFFERS TWO CATEGORIES OF ENGAGEMENT



Co- Founder & Promoter or Empowering Co- Founder



STEP INTO THE WORLD OF BLOCKCHAIN



YOUR PROFESSIONAL BENEFITS



1 % EQUITY HOLDER



1% OF NET PROFIT GAINER



SEED INVESTOR NETWORK PARTICIPANT



SALARIED TOP MANAGEMENT



CHIEF OFFICERS POSITIONS INCLUDED



PERKS & BENEFITS FOR GLOBAL TRAVEL



At One Glance

- **1 % Equity holder**
- **1 % of net Profit gainer**
- **Seed investor network participant**
- **Salaried Top Management**
- **Chief officers positions included**
- **Perks & benefits for global travel**



YES! OPPORTUNITY TO IMPLEMENT YOUR IDEAS



OPPORTUNITY TO IMPLEMENT YOUR STRATEGIES



BASIC QUALITY OF MAC CO-FONDER



VERY PASSIONATE AND ENERGETIC



CAPABLE TO IMPLEMENT MAC OPERATIONS



A GOOD DECISION MAKER



GOOD AT INSPIRING



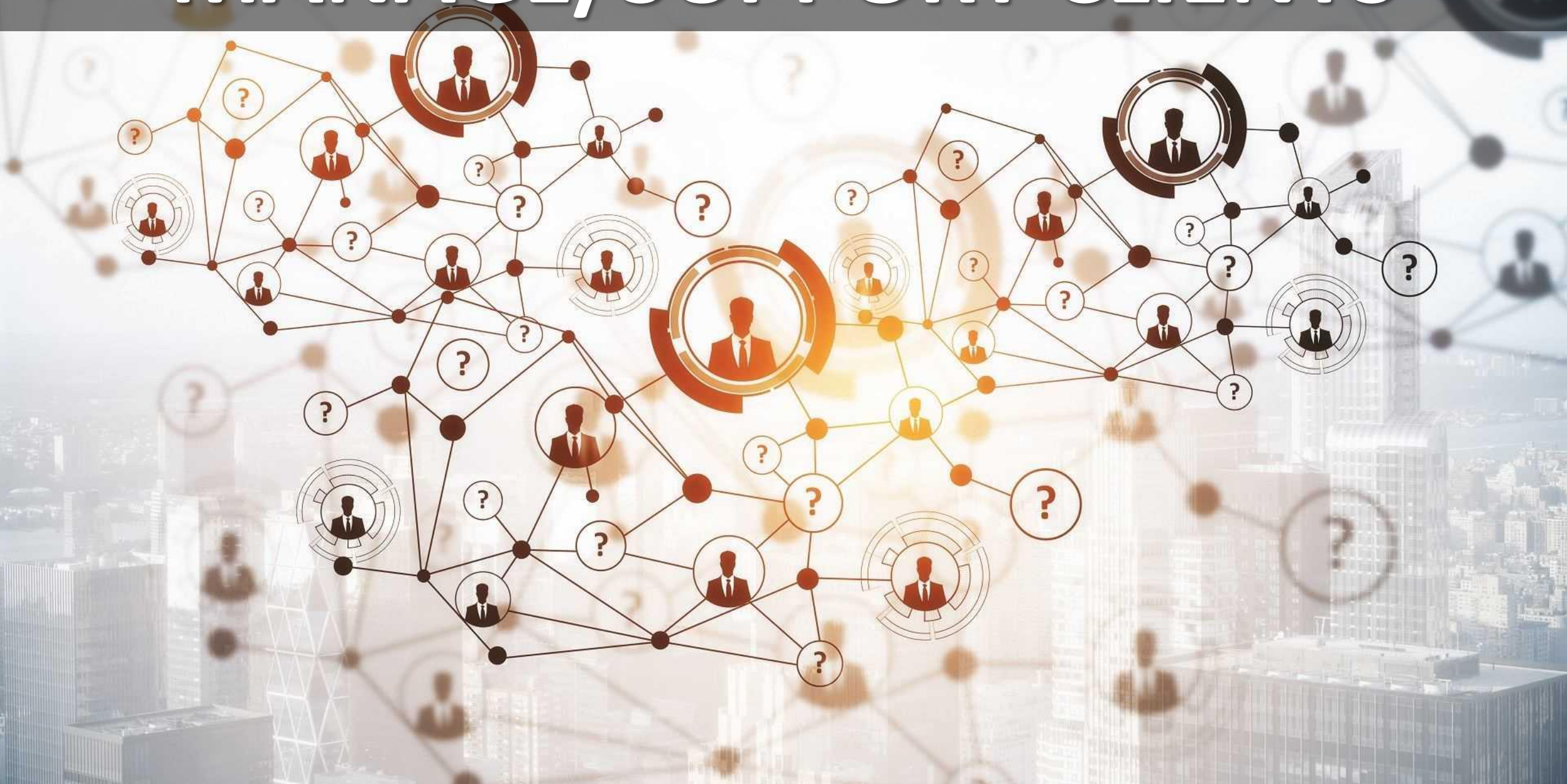
HONESTY AND DEDICATION



CO RESPONSIBILITIES



MANAGE/SUPPORT CLIENTS



FINDING & MEETING WITH CLIENTS



PROMOTION OF MAC OPERATIONS



RESPONSIBLE FOR MANAGE DAILY ACCOUNTS



ONLINE PROMOTIONS



OFFLINE PROMOTIONS



Offline Marketing



EMPLOYEE MANAGEMENT



CONDUCT WEBINARS



CONDUCT TRAININGS



MENTORING AND CONSULTING



BRAND BUILDING



SUCCESS
Mentor
Teamwork
Vision
Goals
Motivate
Inspire
Lead by
example

24h





VISION

TO BECOME ONE OF THE LARGEST
NETWORK OF MINERS IN THE
WORLD



ACTORS INVOLVED IN AWM

Visitor

Comes to the website connected through AWM

Visitor who shares the laptop/desktop

Agrees to share the laptops processor for mining

Website/blog owners

Runs a website/blog for making profit and mining

Private beta participants

The tools experimented with 1200 participants

Public beta participants

Performs well in private beta and offers public about AWM.

ACTORS INVOLVED IN AWM

AWM consultant

Helps the participants in setting up the website and works closely with the company

AWM Senior consultants

Consultants who get promotion and a backdoor entry for an experienced person

Trainer

Trains people through webinars, online/offline training etc.

Train the trainer

Trains the trainer for various activities.

Management Team

The companies

ACTORS
INVOLVED IN
AWM

Affiliate
level 1

Affiliate
level 2

Affiliate
level 3

OPPORTUNITIES


The background of the slide features a hand in a suit jacket pointing towards the left. Overlaid on this is a semi-transparent grid with various data visualizations, including a yellow line graph at the top, a blue bar chart in the middle, and a world map at the bottom right. The overall aesthetic is professional and data-driven.

Promoters

Co-Founders

Vice presidents

CEO

The image features a group of approximately 15 business professionals in silhouette, standing in a modern office environment. They are positioned in front of large windows that offer a view of a sunset or sunrise, with the sun low on the horizon, creating a bright glow and long shadows. The silhouettes of the individuals are dark against the lighter background of the sky and the office floor. The overall scene conveys a sense of professional collaboration and activity.

**CONTACT YOUR RESPECTIVE
CONSULTANT, MENTORS AND
REGIONAL COORDINATORS**

CONTACT US



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ATTEND THE DETAILED **MAC**
****WEBINAR** TOMORROW**

Thank
you





أشيقر[®]
DIGIMENTORS