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Seth, the Future Blockchain

By Ray Hermann Angossio Liwa – Chief Research
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Seth is a name of Hebrew origin found in Judaism, Christianity, Islam and others; it is the name of the third son of Adam. At Seth Research we are building the third or next generation of blockchain after Ethereum, Bitcoin and almost all the other blockchain in place have done their upgrade into their actual version 2.0 to solve and adapt their previous offer into the growing needs of the actual crypto marketplace.

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Our Story:

Our particularity is that we are building a code efficient and environmentally friendly blockchain with a maximum of features. For that we will start with experimentation for our first phase with a semi-commercial side on it and then we will merge into a fully commercial version. We only have one Earth and climate change is more than an issue, it is a danger!!! Kepler 452b is still far from the Earth. At the time we are working on it, we need to develop climate-wise businesses from crypto into all traditional businesses; with Seth Blockchain we come in using our research approach to bring our part to make this a reality.

Think about it!!!

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Our commitment for the future:

From now on, we intend to be different by our approach, we don't come with promises but with realism on what we do. In that same direction, we will interact with Activerse for the implementation of the safe "Active Mode" as the first of its kind throughout the future Activerse Tech Company: a NFT safeguarded Avatar. All of this is based on our commitment to the reduction of actual global warming, and we know for a fact that a lot of cryptos have been successful to drive wealth within the economy but unfortunately, they have been failing to defend or protect our wonderful Earth. Just an example Bitcoin uses around 121 TWh per year that means 2-celsius degree on the global warming and Digiconomist

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estimates that Ethereum miners currently consume 44.49 TWh per year which works out to 5.13 gigawatt on a continuing basis. We need to find ways to reduce all of this.

The 3.0 Blockchain Technology:

The blockchain is based on a technology like the proof of capacity (PoC+) rather than the proof of work (PoW) like bitcoin or the proof stake (PoS) for Ethereum, we made that choice because HDD are accessible, and produce almost no heat and their consumption of energy is acceptable and can be optimized. But to be realistic we still need CPU and GPU power to process a lot of instructions. The nice thing is that the code does so at a specific moment then the system goes back into a standby mode for power and energy saving. To do all this we will be implementing a kind of proof of presence consensus algorithm (PoP). Seth is an experimental blockchain with 3 rather than 2 (Create & Delete) basic

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operation to be able to Create, Delete and Archive; After deeply observing the actual marketplace, we found out that could do much more for the planet reason why we started Seth Research for our energy efficient & eco-friendly Blockchain come into life.

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How it works:

The proof of presence consensus blockchain (PoP) is based on the firsts arrived is the first served by computation of the quality of the miner (Location, Speed, Time saving, Availability, Space…) and will select what zone-node fit the best for the transaction.

The PoP blockchain uses a technology we have named parceling and it works based on the amount of HDD you have available for parceling and zoning then by computation the system will determine the maximum volume of transaction can be sent or handled by a zone-node.

When a transaction is taking place, the system locates an amount of memory to establish the transaction (Zoning) and then sets 2 parcels for the transaction to be initiated.

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A zone is the fruit of the zoning operation, it's an amount of memory locate for a specific transaction within an HDD based node (Zone-Node) and it contains parcels and inside a node-zone we have got 2 parcels:

- The script or code to general certificate.
- The location where the certification will be signed and created.

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The script

It computes a bunch of calculations then issues inside the second parcel or location an encrypted certificate ready to testify that a transaction has been made with all the information set up on it.

The parcel 2

It is another set of memory with an assigned amount created by computation the zoning and script allocated space to store all certificates as listed on the transaction.

When the zoning is done, both 2 parcels have been created, and the script executes itself until creating the all-encryption certificate then starts a chain reaction to update the whole zone-node bunker database into the blockchain.

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Algorithm Consensus for the PoP Blockchain

If the part of the blockchain is in default, I mean default of information, the system will proceed by vote based on what is present on all the blockchain zone-node and the majority is obtain at 60%, I mean 60% or more is the acceptable percentage to testify the integrity for the actual matter on all blockchain to be solved. If the test doesn't reach 60% or more the system will repeat the check on loop the same process until when the condition will be filing the 60% or more rule. Now, I'm pretty sure that you know that the PoP consensus uses a kind of vote and if 60% or more Zone-Node blocks have got the same information, we proceed into the update of all blocks within the chain accordingly. We did it this way because we believe that 60% of all blockchain or more can't be compromised at the same time and we have settled this as a guarantee for the integrity of the system.

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Integrity of database:

The genesis block will be used for the integrity of all next one and so one, and the same principle will be used for next one from N, N-1 until N+1 on all databases to be settled as key. So, add to that set of keys the hash function for encryption and other additional protocols for security.

We will be adding an algorithm to compute the ratio offer and demand to determine the fee for the transactions as well the miner's rewards and other financial aspects, a kind of way to create a self-regulated system of fees and rewards on every single transaction.

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