Chainerator

Consensus Flexible Blockchain Open Source Framework

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01. Problem

POW	**POS**	**DPOS**

**Consensus Algorithm
With Mining**

**Consensus Algorithm
With Stake**

**Consensus Algorithm
With Delegated Stake**

POW (Proof Of Work)

1. **Waste of Energy**

-   For Mining Bitcoin, Miners must
    Calculate Nonce Over and Over again
    This is so WASTEFUL!!

2. **51% Attack**

-   If there was mining pool that having
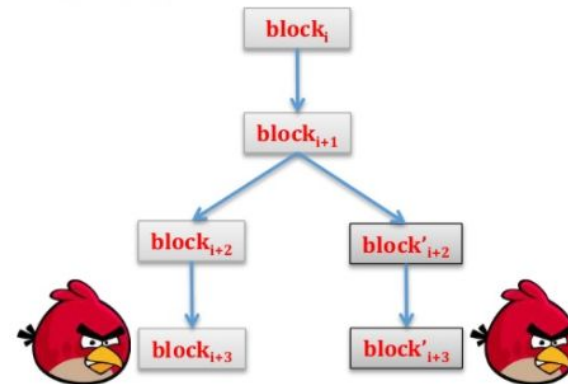   more than 51% Hashing Power,
    They can modified transaction.

3. **Traffic Problem**

POS (Proof Of Stake)

Proof of Stake
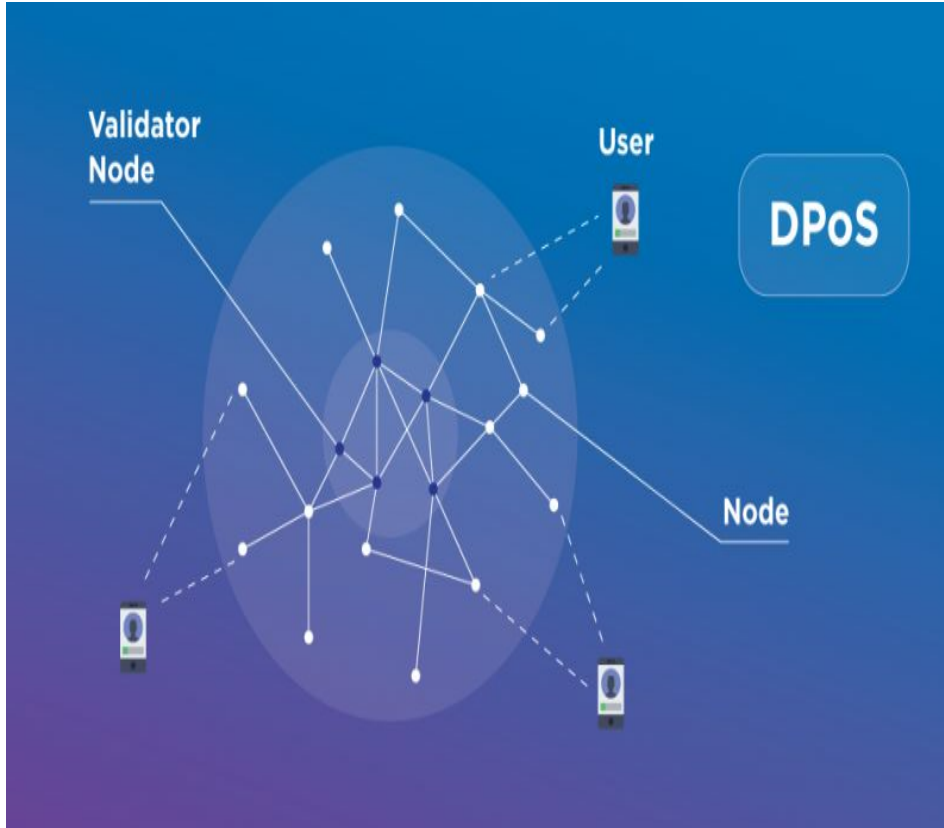
1. **Nothing at Stake**

2. **Participation issues at Small network**

- **In case of Small network, Less block reword makes it impossible to active participation form network members.**

DPOS (Delegated Proof of Stake)
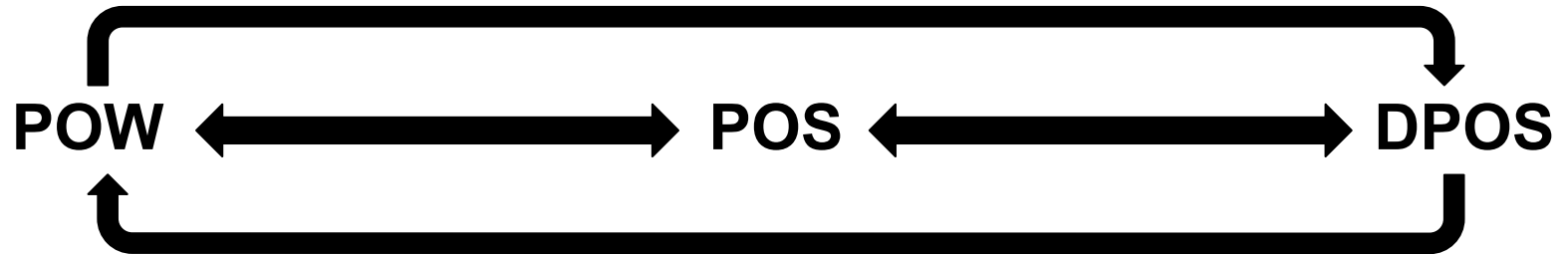

1. **Centralized Network**

● **Only few delegated node join consensus process.**
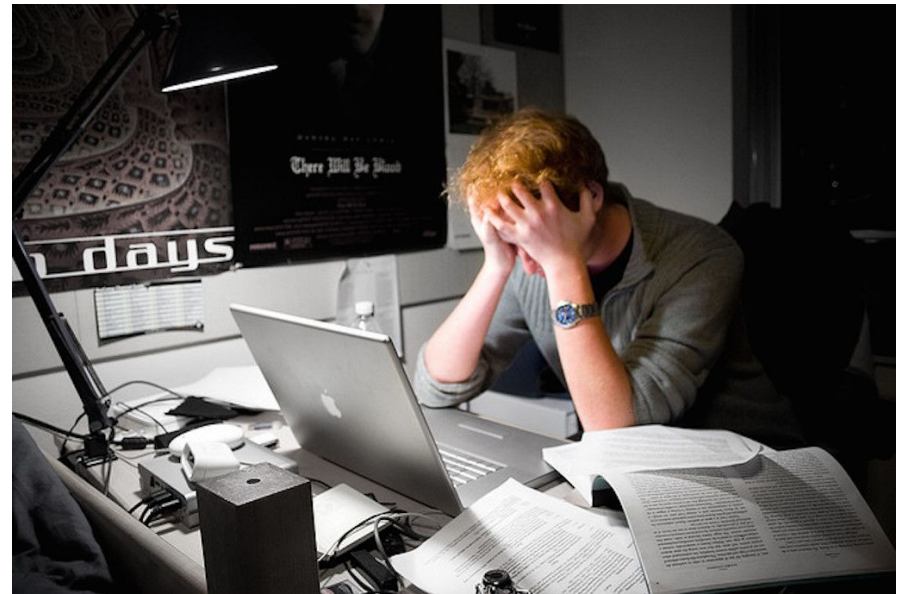

2. **Compensation Problem**

● **Most network user doesn't delegate their stake. Because there are no compensation for them.**

POW ⟷ POS ⟷ DPOS

↑ *600,000* LINE

02. Introduction

How to Solve this problem ?

Too Heavy

Blockchain Core's Code is Too heavy to handling

Bitcoin Core : Approximately *100K* Lines!
Bytecoin Previous Version : *600K* Lines!

Small Community

Blockchain Core is very difficult and complex.
But there are no framework
for Start-Level Core Developer

Inflexible

Most Blockchain Project is very inflexible.
Changing Consensus or Protocol is very hard
because of Inflexible of Architecture
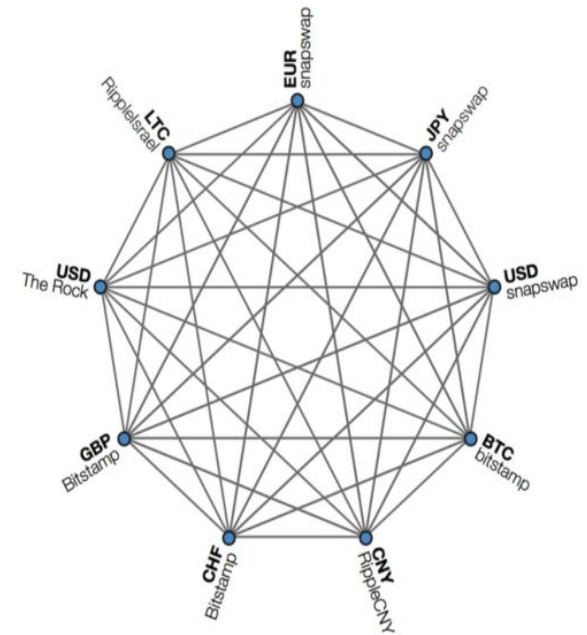
02. Roadmap

2018 Q2 : Modularization

**Blockchain Core
Function Modularization**

2018 Q3 : Open Source

**Deploying Open Source
For Blockchain Core Developer
And Getting Some Contribution**
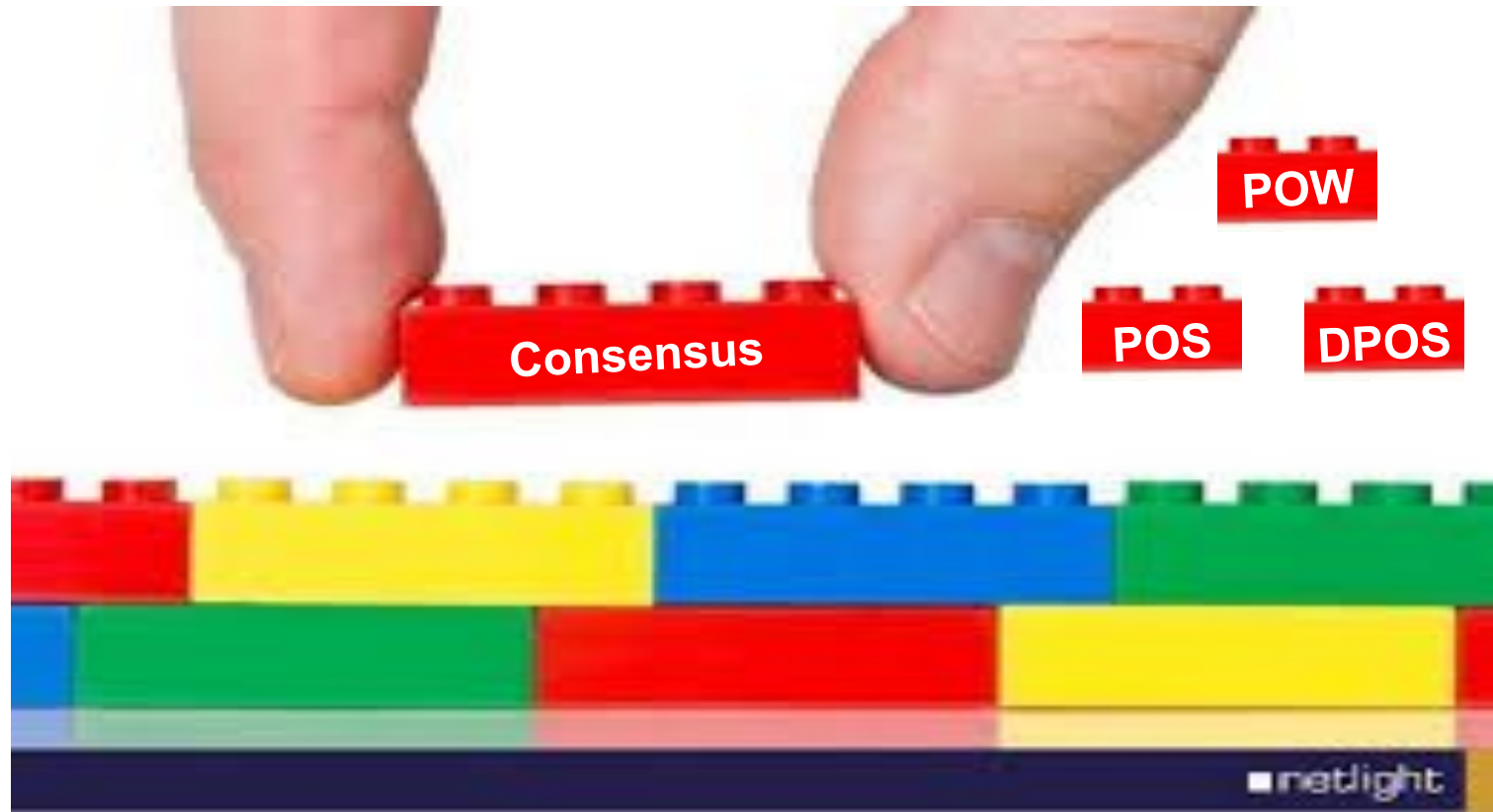
2018 Q4 :Consensus Develop

**Develop Consensus Module
Such as PoS, PoW, DPoS**

03. Goal

Flexible Blockchain Open Source Framework
Using Consensus Modularization

The Blockchain Core Developers can make flexible blockchain for their own network by using our Open Source.

Thank You

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