Fog Hill Coin

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Introduction:

Fog Hill is based in San Francisco. Fog Hill's coin is the FOG token.

Fog Hill got its name from the legendary North Beach establishment. The parrot represents the feral parrots who were brought over from South America over a hundred years ago and still live in the Telegraph Hill neighborhood.

FOG aims to provide its users/investors an ROI of 800% per annum even with 500 Masternodes.

The users have to purchase 5000 coins and make a Masternode to support the network.

Users then get 75% of the rewards of each block, for the PoS coin. If users cannot buy as much as 5000 coins, then they can buy any number of coins and do staking. Staking gives 25% of the rewards of each block. You can expect regular maintenance and smooth flow of transactions / Blockchain as we have already tested the blockchain for 2 weeks.

Rewards:

Fog Hill coin has dynamic reward structure. The rewards changes / increases as the block number increases. The rewards are split into 75% for Masternode and 25% for Staking. There is a Single wallet setup option for both staking and Masternode. This means that users do not need to worry about the staking of rewards, as the wallet does both Masternode services and gives rewards for coin staking too. The wallet can be used for multiple Masternodes and all the rewards can be auto staked automatically.

Specifications:

Coin Name : Fog Hill

Ticker : FOG

Coin Type : Hybrid PoS

Hashing Algorithm : Scrypt

Block Time : 90 Sec

Max Supply : 10,000,000

Premine Coin : 1,000,000

PoW Block Reward : 13 Coin

Last PoW Block : 5,00,000

Block Halving : 35,000

PoS Block Reward : 13 Coin

Block Reward Distributation : 75% MN + 25% Stacker

Block Size : 3 MB

Minimum Stake : 24 HR

Coin Maturity : 77 Block

MN Payment : 5000 Coin

Advantages of investing in Masternode coin:

Early investors get coins at .10 USD per coin. Early investors can right away start making Masternodes with the 5000 coins they receive. They can do staking if they have amount greater than 5000 or less than 5000.

This is why users can directly start earning before the coin even hits the exchanges. We are planning on getting the coin on http://Cryptopia.co.nz , http://gate.io http://kukcoin.com and http://coinexchange.io to ensure proper liquidity

Rewards distribution:

There are 1200 Blocks a day. Example: The reward of 13 coins per block is divided into 75% for Masternodes(7.5) and 20% for Staking (2.5)

Further the rewards are distributed to all running Masternodes. The more number of Maternodes, the less rewards you get, because the rewards are distributed to each Masternode in a timely manner.

Due to the fact that the Masternode rewards program is a fixed percentage and the Masternode network nodes are fluctuating, expected Masternode rewards will vary according to the current total count of active Masternodes. Payments for a standard day for running a Masternode can be calculated by using the following formula:

$$(n/t)* r*b*a$$

Where:

n is the number of Masternodes an operator controls
t is the total number of Masternodes
r is the current block reward (presently averaging about 10 GAINER)
b is blocks in an average day. For the Dash network this usually is 1200.
a is the average Masternode payment (75% of the average block amount)

Return on investment for running a Masternode can be calculated as

r * b *a / (n / t)

Where variables are the same as above.

The cost associated with running a Masternode creates a hard and soft limit of active nodes on the network. The soft limit is imposed by the price it costs to acquire a node and the limited liquidity on exchanges due to usage of Dash as a currency and not merely an investment.

Deterministic Ordering

A special deterministic algorithm is used to create a pseudo-random ordering of the Masternodes. By using the hash from the proof-of-work for each block, security of this functionality will be provided by the mining network.

Pseudo Code, for selecting a Masternode:

```
For(mastenode in masternodes){
        current_score = masternode.CalculateScore();

        if(current_score > best_score){
                best_score = current_score;
                winning_node = masternode;
        }
}

CMasterNode::CalculateScore(){
    pow_hash = GetProofOfWorkHash(nBlockHeight); // get the hash of this block pow_hash_hash =
    Hash(pow_hash); //hash the POW hash to increase the entropy difference = abs(pow_hash_hash -
    masternode_vin); return difference;

}
```

The example code can be extended further to provide rankings of Masternodes also, a “second”, “third”, “fourth” Masternode in the list to be selected.

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