

Whitepaper Vkax Technology Version 1  
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*Abstract: Vkax is a network and an experimental project which seeks to bridge some gaps were others failed.*

## **1.1 Introduction**

Vkax technology is a company which provide digital services, cloud services and allows various apps to be built on its network the Vkax Network. Vkax network is powered by the vkax blockchain which enables cryptographic processes and mathematical calculations to be run with its network. The hashing algorithm is the “Mike” algorithm which is a CPU base mathematical process. With Vkax Cloud services, Vkax Technology provides Decentralized Http Api services, users storage of data's, blockchain human readable usernames through the Vkax Network which would works on cryptographic addresses.

Vkax Network uses peer-to-peer technology to operate with no central authority like dash etc. It is a complete fork of Dash coin which uses Masternodes and other technology to secure its blockchain.

## **1.2 Mining**

Vkax uses the mike’s algorithm which is a variant of the ghost rider algorithm and uses a smooth difficulty process. Mike algorithm is a combination of the X11 from Dash Network with Cryptonights algorithm. This way we tend to prevent Asic machine/miners from taking control of our network.

### 1.3 Reward

Mining of vkax gives out the sum of 10,000 VKAX out of which 2250 VKAX goes to Masternode owners, Miners get 6,750 Vkax and 10% for proposal and budget payments which is 1000 Vkax. This 10,000 VKAX would stay until height 1950005 and within that period subsidy at every block height 210240 would take place. After height 1950005 reward would fall back to 500 VKAX and so on.

<b>Block Height</b>	<b>Miners Block Reward (Vkax)</b>
1 -> 33231	6750
33232 -> 34399	8190
34400 -> 51115	3000
51116 -> 67731	3375
67732 -> 210239	4000
210240->420479	3714.4
420480->630719	3449.19
630720->840959	3202.85
840959->1051199	2974.2
1051200-1261439	2761.84
1261440->1471679	2564.65
1950005-> above	222.22
<i>*Updates would be communicated</i>	

### 1.4 Vkax Masternode Network

Vkax masternodes are full nodes and are like the Dash masternodes but are not similar based on parameters because the dash network allows nodes to be setup with 1000 Dash while the vkax allow nodes setup for 10,000,000 Vkax. With Vkax Masternodes peers running it uses them for receiving updates about the activities on the Vkax network which is the layer 2. Vkax Masternodes are very so important for the network and will be run simultaneously with the Layer 1 network powered by miners. The collateral (10million Vkax) is not spent but stay safe in the user's wallet. Once active, nodes would continue to receive rewards of 2,250 Vkax. This reward changes as shown below. Masternodes can provide any number of extra services to the network.

To ensure that nodes are alive, nodes do continually ping the rest of the network to ensure they remain active. This is done by the Masternode network by selecting 2 quorums per block.

Kindly refer to [vkax website](#) to read about how to setup Vkax Network Masternode. Currently the reward of grammatically favored miners which was not included in the initial litepaper. Kindly note that we in vkax would update to a latest version v17.0.16 to return us back on track

<b>Block Height</b>	<b>Masternode Rewards (Vkax)</b>
1 -> 33231	2250
33232 -> 34399	810
34400 -> 51115	6000
51116 -> 67731	5625
67732 -> 210239	5000
210240->420479	4643
420480->630719	4311.49
630720->840959	4003.65
840959->1051199	3717.76
1051200-1261439	3452.31
1261440->1471679	3205.81

1950005-> above	277.78
<i>*Updates would be communicated</i>	

**1.5 Mobilenode**

Future updates would see reward for mobile device mining. This concept would see mobile devices turning on miner that is not power consumption. Various technology like proposal, masternode are already running and this would be called mobilenode. I would put down a detailed process of how it would work and how we are going to achieve this. Who would be involved in the development. This is summarized as follows:

*A) Mobilenode*

How does the Mobilenode works?

It is so simple, after all the smart contract, drive, web3 have been implemented, we would move to implement the mobile miners which would depends on Vkax Layer 2 and the Http Api for Vkax. Owners of mobile device just need to click a button called “Start Mining,” once the mining starts, device battery are not utilized in the mining processes but it function is to protect some aspect of the layer 2 where the masternode would be running on its chain like Dash network and platform. The mining is tasked with a particular function when a username is created and once it created it would be task in constant ping, this would allow the verifications of confirmed names in each chain and once a transaction is created in the chain, mobilenode shares in the rewards

**1.6 Conclusion**

Vkax aim to create a process of easy mining devoid of Asic and creates a medium for everybody to profit from keeping the Vkax platform secured.

## **References**

- 1) Dash project <https://dash.org>