Proof of Activity (PoA)

Return to Consensus Mechanism

Proof of Activity (PoA) is basically a hybrid approach designed through the convergence of PoW and PoS blockchain consensus models.

In the case of PoA mechanism, miners race to solve a cryptographic puzzle at the earliest using special hardware and electric energy, just like in PoW. However, the blocks they come across holds only the information about the identity of block winner and reward transaction. This is where the mechanism switches to PoS.

The validators (shareholders appointed to validate transactions) test and ensure the correctness of the block. If the block was checked many times, the validators activate to a complete block. This confirms that open transactions are processes and are finally integrated into the found block containers.

Besides, the block reward is divided so that validators gain shares of it.Webpage: BHARDWAJ