CodeBot as a Service for Outsourced Data Security in Cloud based on Blockchain

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Abstract: Cloud storage service has shown its great power and wide popularity which provides fundamental support for rapid development of cloud computing. However, due to management negligence and malicious attack, there still lie enormous security incidents that lead to quantities of sensitive data leakage at cloud storage layer. this project proposed a Mimic model Code Bot that combines cloud computing with blockchain that assures data integrity for homomorphic encryption schemes. Code Bot will be hired to store and perform computations on client data. Each codebot will have to periodically compute a master hash value of their database to be stored on a private blockchain.

Keywords: Codebot, Cloud technology, Blockchain