Abstract

Blockchain technology is considered as a promising in most of the fields like Healthcare, Banking sector, Education industry, digital currency, insurance industry, etc. In today’s world it is treated as a most secure and reliable technology to use for the security purpose and eliminate the need for trusted third party. The main focus of this approach is the use of blockchain in managing and securing patient data from malicious activity. The physiological data of a person are sensitive. If the patient have any embarrassing sickness, with the use of private blockchain, aim is to make the patient data secure by applying Secure Hash Algorithm for the generation of hash values and Paillier algorithm for Re-encrypt same information of patient data that is divided in number of different servers. This will increases the difficulty of hacker to hack or access the data. This approach maintains the security parameters i.e. Availability, Integrity and Confidentiality.
2. Shuai Wang, Jing Wang, Xiao Wang, Member, IEEE, Tianyu Qiu, Yong Yuan, Senior Member, IEEE, Liwei Ouyang, Yuanyuan Guo, and Blockchain Powered Parallel Healthcare Systems Based on the ACP Approach 2329-924Xc 2018 IEEE.
**Index Terms**

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**Keywords**

Healthcare, Privacy, Blockchain, Paillier.