Abstract

Many organizations are considering the adoption of blockchain technology as they believe that hacking the blockchain environment is extremely difficult as information stored on the blockchains use various cryptographic techniques to validate transactions and store them securely. But like other technologies, blockchains are also susceptible to attacks. In this paper, discussed about different types of consensus mechanisms that are used in validating the transactions of a blockchain network. This paper also focuses on key cryptography techniques that are often used in blockchain. This paper highlights security vulnerabilities and various noteworthy attacks that took place in blockchain environment.

References


Index Terms

Computer Science  Security

Keywords