

# Fault Tolerant Mechanism in Blockchain-Survey

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**Abstract:** *The purpose of fault tolerance system is to avoid a failure of the overall system in spite of existing faults in the different components. Redundancy has been a significant technique to assure fault tolerance design in the digital system. Among several redundancy techniques, hardware redundancy is constantly used to improve the reliability of the digital systems. While active hardware redundancy is useful to detect faults and recovery, passive hardware redundancy is useful to hide faults in hardware components. Triple modular redundancy is a passive hardware redundancy technique where faults are hidden, and only correct data are passed as output from the system.*

**Keywords:** Block chain

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