

Design of metaverse-supported blockchain test process

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Abstract— This paper proposes an effective testing method that combines blockchain and metaverse technologies. It analyzes the interaction between blockchain networks and virtual reality worlds, leading to the development of a secure and efficient testing process. The paper evaluates this interaction in various scenarios, offering insights to enhance both reliability and security. By integrating metaverse and blockchain technologies, this study makes a significant contribution to improving safety in the digital environment. Additionally, it proposes key evaluation factors and formulas to objectively assess the integration of blockchain and metaverse services. These evaluation metrics can be valuable in developing assessment tools and simulation instruments.

Keyword— Blockchain, Metaverse, Virtual Reality, Cryptocurrency, Testing Methodologies, Security Evaluation, Integration Assessment, Digital Environment Safety



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