

Blockchain Technology: Transforming Supply Chain Management

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Abstract. Blockchain technology has the potential to revolutionize supply chain management by providing transparency, security, and efficiency. This article explores how blockchain can be applied to track goods, prevent fraud, and improve efficiency across the supply chain. We discuss case studies where blockchain has been successfully implemented and the challenges that remain in scaling these solutions.

Keywords: Blockchain, Supply Chain, Transparency, Fraud Prevention, Efficiency

Introduction

Supply chain management is a complex field that involves the coordination of multiple stakeholders to ensure the smooth flow of goods and services. Blockchain technology offers a promising solution to many of the challenges faced by traditional supply chains. By providing a decentralized and immutable ledger, blockchain can enhance transparency and trust among participants, reduce fraud, and streamline operations. This article examines the transformative potential of blockchain in supply chain management, highlighting real-world case studies and discussing the hurdles that must be overcome to achieve widespread adoption.

This is a preliminary version. To read the full version of the article, please purchase a subscription.

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