

mending2018BlockchainsBusinessProcess

Title

Blockchains for Business Process Management-Challenges and Opportunities (Mendling et al. (2018))

Abstract

Blockchain technology promises a sizable potential for executing inter-organizational business processes without requiring a central party serving as a single point of trust (and failure). This paper analyzes its impact on business process management (BPM). We structure the discussion using two BPM frameworks, namely the six BPM core capabilities and the BPM lifecycle. This paper provides research directions for investigating the application of blockchain technology to BPM.

Keywords

Blockchain, Business Process Management, Research Challenges

Mendling, Jan, Ingo Weber, Wil Van Der Aalst, Jan Vom Brocke, Cristina Cabanillas, Florian Daniel, Søren Debois, Claudio Di Ciccio, Marlon Dumas, and Schahram Dustdar. 2018. “Blockchains for Business Process Management-Challenges and Opportunities.” *ACM Transactions on Management Information Systems (TMIS)* 9 (1): 1–16.