

Untrusted B2B Collaboration using the Blockchain

Jonas Beyer, Philipp Otto, and Sören Tietböhl

Hasso-Plattner-Institut für Digital Engineering gGmbH, Prof.-Dr.-Helmert-Str. 2-3,
Potsdam 14482, Germany

`{jonas.beyer,philipp.otto2,soeren.tietboehl}@student.hpi.de`

Abstract. The abstract should briefly summarize the contents of the paper in 150–250 words.

Keywords: First keyword · Second keyword · Another keyword.

1 Introduction

What is BPMN? What is Blockchain? What problems are there with BPMN that can be solved with Blockchain? What approaches exist currently (Caterpillar [1], Untrusted paper [2]) What is our general Idea? What are our results? (briefly)

2 Related Work

summarize untrusted paper summarize Caterpillar acknowledge their Work display the shortcomings
maybe also include Blockchain here?

3 Solution approach

basic understanding/ intuition -¿ make orchestration possible
use one continuous example
visualizations !!

4 Architecture

5 Evaluation

6 Conclusions

References

1. López-Pintado, O., García-Bañuelos, L., Dumas, M., Weber, I.: Caterpillar: A blockchain-based business process management system. In: Proceedings of the BPM Demo Track and BPM Dissertation Award co-located with 15th International Conference on Business Process Modeling (BPM 2017), Barcelona, Spain (2017)

2. Weber, I., Xu, X., Riveret, R., Governatori, G., Ponomarev, A., Mendling, J.: Untrusted business process monitoring and execution using blockchain. In: International Conference on Business Process Management. pp. 329–347. Springer (2016)