Blockchain in the Context of Business Applications and Enterprise Databases

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Abstract

Blockchain seems to be the future of all cross-company business applications. Similar to the adoption of machine learning into all novel and existing business applications and processes we can see the same trend for blockchain. Nearly every application tries to leverage blockchain technology to improve the application related process chains. Is this just a hype or is blockchain really the solution to all problems, in which applications rely on an intelligent and secure data distribution / sharing? What are the most relevant qualities of blockchain needed in modern business applications and which role can a traditional database play in this? Wouldn't be an integration of some of the qualities into traditional databases a better approach to build the so called 'distributed business applications'? What is the relationship and overlap between core blockchain and core database concepts like (redo) logging, security features like auditing and encryption, distributed (query) processing, as well as stored procedures/smart contracts?

This talk discusses how blockchain can be integrated into existing business applications and processes, what the biggest challenges are and which role a traditional database can play in this context.

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