

## Blockchain based Service: A Case Study on IBM Blockchain Services & Hyperledger Fabric

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### ABSTRACT

IBM is one of the world's leading American multinational technology company, always innovative and experimenting for new things with constant new trials and hands on different technologies. The company is recently focused its research and innovation on one of ICCT underlying technology applications called Hyperledger fabric and blockchain. A business blockchain presented by Linux foundation is hyper ledger fabric becoming the de facto standard for enterprise it provides blockchain-as-a-service (BaaS) and lets the usage of blockchain components any possible business environment with ease. Blockchain has several edges, together with decentralization, durability, transparency, and audit ability. The IBM goal is to develop company-ready solutions that address existing technology limitations relating to privacy, confidentiality, audit ability, performance, and measurability. Proven, scalable, and built for running on any cloud Simplifies complexness quickly, unlocks new price, and expands competitive edges. Hyperledger cloth system for companies might be thought to be a public platform. Within which all transactions committed are held on in an exceeding blockchain. The chain grows endlessly as new blocks are added. To figure towards a friction-free network by facilitating easy functionality this article illustrates Blockchain, IBM blockchain, Hyperledger fabric its framework, tools, and blockchain-as-a service. The secondary data was obtained from various scholarly journals and websites. We have analysed the Hyperledger framework, tools and examined their blockchain services to different industries using the ABCD analysis framework as a research case study.

**Keywords:** Blockchain technology, IBM blockchain, Hyperledger fabric framework and tools, Blockchain-as-a-service, ABCD analysis framework.

### How to Cite this Paper:

Bhuvana, R. & Aithal, P. S. (2020). Blockchain based Service: A Case Study on IBM Blockchain Services & Hyperledger Fabric. *International Journal of Case Studies in Business, IT, and Education (IJCSBE)*, 4(1), 94-102.

DOI: <http://doi.org/10.5281/zenodo.3822411>.