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Capstone Paper

An Analysis of the Ethereum and Ethereum Classic Bloc

Ethereum is a cryptocurrency platform dependent on smart contracts. Ethereum is operate build and execute smart contracts and distributed autonomous applications, or DApps (Eth centralized authority, censorship, or third-party requirements. Two years after the launch of decided to create the Decentralized Autonomous Organization, or DAO. The DAO was built t decentralized crypto projects. The idea was to make a stateless decentralized organization would use independent investors as its key actors. 1 Not long after that, a crucial flaw the D over $50 million. This led to an outcry in the cryptocurrency online world, especially among members of the Ethereum community. This largely negative reaction was mainly because s taken right out the DAO's account (Ethereum 2019). This left some individuals presuming th project had failed. To understand the Ethereum cryptocurrency we know today, it is importa Background

Background

The intention of this project is to analyze the elements of popular cryptocurrency blockchai operations. The primary focus of this study is the Ethereum blockchain network, while ackn comparable blockchain application in which to compare the network structures. Ethereum a regulate their blockchains' transaction serialization and are similar architecturally. Primary APIs, abstractions, and wire protocol (Gencer, et al. 2018). Blockchain technologies have be of industries, not the least of which includes the financial sector and cryptocurrency market blockchain has proven its potential to be altered and adopted by any company or organizati data. In the writing, Blockchain Technology: Beyond Bitcoin, Crosby et al. describes blockch

> *Essentially, a distributed database of records, or public ledger of all transactions or digita shared among participating parties. Each transaction in the public ledger is verified by c the system. Once entered, information can never be erased. The blockchain contains a c transaction ever made. (Crosby, et al. 2016)*