

Title: Blockchain-based identity management for the internet of things

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Abstract: Current centralized identity management systems are built around third party identity providers, which raise privacy concerns and present a single point of failure. In addition, IoT unconventional characteristics such as scalability, heterogeneity and mobility require new identity management systems to operate in distributed and trustless environments, and uniquely identify a particular device based on its intrinsic digital properties and its relation to its human owner. In this presentation, we present a Blockchain-based Identity Framework for IoT (BIFIT) to deal with these challenges.

