عنوان مقاله:

A Distributed Software Architectures Based on Blockchain for Re-al-World Software Applications

محل انتشار:

کنفرانس بین المللی فناوری های نوین در سیستم هوشمند (سال: 1398)

تعداد صفحات اصل مقاله: 17

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خلاصه مقاله:

The use of Internet of Thing (IoT) is constantly increasing. Sensors in the Inter-net environment collect objects from large amounts of data and send them to servers. This large volume of user personal data in Internet applications also pre-sents new security challenges.The purpose of this study is provides a blockchain-based distributed software ar-chitecture for real-world application software. Arduino software for simulating and extracting raw data and coding modules nightly 1.6.12 Microcontroller based Arduino is used and the extract data is analysis in the database after storage. Software transitions can only detect and fix transient security threats, while per-sistent errors can also be detected by hardware fixes; but in terms of hardware implementation cost, it has 66.7% of hardware overhead, so this .mechanism can be justified in applications where data is of the utmost importance

کلمات کلیدی:

Internet of Things, Distributed software, Block chain, Arduino mi-crocontroller, Security

لینک ثابت مقاله در پایگاه سیویلیکا: