RFID Scanner for Blockchain

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Summary(of implementation):

In this project, a scanner has been made which scans RFID(Radio-Frequency Identification) tags and stores the details of each tag scanned to the EOS blockchain. Raspberry pi was used along with MFRC522 RFID Card Scanner and an active buzzer.

A software was installed in the Raspbian os of the Raspberry pi. This software waits for RFID tags to be scanned, extracts their details and puts them on the blockchain. A blockchain smart contract eosiot11rfid and a device account eosiot11node is already setup and waiting to receive the RFID scanner data.

In the implementation of this project, there an error occurred because of which, the software could not put the details of the scanned RFID tags to the blockchain. On researching about this error, it was found that the cause of error was likely to be a case of some major update in the library used of the EOS blockchain platform itself. Because of this, the data structure used in the software might have become obsolete. However, the exact cause error could not be found.