




Blockchain Practices



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This is a prototype Blockchain system in R.

http://bit.ly/fe8828_rbc

Or

https://github.com/leafyoung/fe8828_r_blockchain

API

<http://127.0.0.1:8000/chain/show>

<http://127.0.0.1:8000/chain>

<http://127.0.0.1:8000/mine>

<http://127.0.0.1:8000/nodes/register?nodes=AAA>

<http://127.0.0.1:8000/transactions/new?sender=AAA&recipient=BBB&amount=1>

Attempt complete following features to make it more complete :-)

1. mine transactions must be > 100 .
2. nextBlock must be ...
3. transactions hash is to be included.
4. transaction check
5. organize transaction to be in merkel tree
6. Basic authentication for order
7. Calculate wallet remaining
8. Validate certain transaction is in the history
9.

:-) not all of them

Cryptography in R

<https://cran.r-project.org/web/packages/sodium/vignettes/intro.html>

Plumber

<https://www.rplumber.io/docs/routing-and-input.html#the-request-object>