⏳ Protocol

24/10/2019

- Failed to get Wireshark plugin running, as there is no support for most recent c-lightning.
  https://github.com/nayutaco/lightning-dissector/issues/28

- Read and summarized BOLT #4 2/3

- Continued working on Python code

23/10/2019

- Read and summarized BOLT #4 1/3

- Found Wireshark Lightning analyzer plugin
  (https://github.com/nayutaco/lightning-dissector)
  TODO: manage to get it running/install

22/10/2019

- Read and summarized BOLT #1

21/10/2019

- API Blockchain calls at https://www.blockcypher.com/dev/bitcoin/?python#introduction

- Found documentation (RFCs):
  https://github.com/lightningnetwork/lightning-rfc and started reading

- Made structural changes to code, set up git issues & milestones

20/10/2019

- Created Lightning BTC address and transferred 0.04 Testnet BTC

- Played around with RPC object data structure

- Started re-reading literature (see MS1 outline) in depth

17/10/2019

- Installed autopilot plugin. Same error with connection refused. See **Agenda**

- FIXED CONNECTION REFUSED
  1) Run lightningd --network=testnet --log-level=debug --rpc-file /home/utz/.lightning/lightning-rpc
  2) Run Python client, with LightningRPC constructor taking above path as argument

- Created outline and added it to git along with protocol

16/10/2019

- Copied Overleaf Template & Initialized Project

- Ran into problem with Bitcoin Core Wallet, where payments from the faucet aren't received.
  Likely an error on the faucet website's end. However: "Warning: unknown new rules activated" (qt). *Non-critical so far*.

- PyLightning Troubleshooting: Maybe NAT? Probably not.
  https://github.com/ElementsProject/lightning/issues/1210#issuecomment-372740147

- Replied to GitHub issue, waiting for answer:
  https://github.com/ElementsProject/lightning/issues/3086#issue-497142178

15/10/2019

- Got lightningd to run on testnet:

```
1) bitcoind -daemon -testnet -rpcport=8332 -datadir=/media/utz/Data/Bitcoin/Core
(GUI: bitcoin-qt -testnet -rpcport=8332 -datadir=/media/utz/Data/Bitcoin/Core &)

2) lightningd --network=testnet --log-level=debug
```

- Ran into problems calling RPC interface from Python. See connectivitytest.py in git https://github.com/ElementsProject/lightning/issues?utf8=✓&q=refused for possible solutions

- https://github.com/lightningd/plugins for lightning plugins