

Electrum SIG Meeting Minutes 2021-05-19  
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1. Current status -- electrum sever and client
2. Discussion: release server once stable, any more work for client?
3. Discussion: any specific tests needed?

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- The Electrumx server is suffering crashes of unknown cause
  - the server is still useable since it usually takes about 25 hours to crash, or when new servers are brought on-line
  - no proper error messages are given
  - the crashes began when we began turning "report services" on, which is enabled for server automatic discovery and peering
    - previously, a server peer list had to be manually maintained
  - The upstream kypichan github server repo uses a custom module for peer networking which combines processes into task groups
    - when a process in a task group crashes, all tasks in the group fail, making error messages difficult to find
- The Electrum client changes for Ravencoin are being ported over to the code from spesmilo github repo instead of standard-error's repo
  - it is better architected
  - it has much better support for enhanced bitcoin functionality we may want in the future- atomic swaps, lightning
    - it is on the SIG github account
  - HyperPeek reports that for large transactions, it is >10x faster than the previous version
  - it uses header Merkle branches
  - the old v3.8 standard-error client still works, but not with Ledger

Support from the Foundation for hosting Electrum servers was briefly discussed

- Tron agreed to add HyperPeek's public key to a new Foundation server on Digital Ocean
- will try running ravend/testnet + ravend/mainnet nodes + electrumx on two servers
- In the meantime, HyperPeek continues to run a Electrumx server, but it is sometimes down in order to run experiments

The near-term focus will be on resolving the Electrumx server crashes, and then doing the first "release" which supports Ravencoin asset viewing

- Asset creation and transfer will be done later in a 2nd revision because that requires extra signing functionality

The rest of the meeting was spent trying to help user "meta stack" get Electrumx server and Bluewallet client to talk to each other in order to start the Moontree dev work.

- Mobile Client "blue wallet"
- has Digital Ocean
- trying to set up Electrum server v1.8 pulled from SIG
- having problems connecting blue wallet
- need to test with electrum wallet from kralverde server latest. SIG older but OK
- maybe because blue wallet doesn't talk to public electrum servers
- SSL://domain:port in config file
- not broadcasting properly
- config file looks good
- firewall problems?
- HyperPeek's electrum wallet won't connect either
- connection refused error; ssl error
- Kralverde will help get server up after resolving peer crashing issue
- possibly windows-specific problem? QT-related?