Volentix network test plan

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October 8, 2020

1 Preparation

Local network * ONGOING
Other preparatory actions

1. Wallets reside on normal host /eosio-wallet path
2. Bash scripts run as root
3. Open another terminal for nodeos output(tty 2) `https://github.com/Volentix/vdexnode/tree/master/src/vdexnode/test`
4. Mint 2 test pools of 100000.00000000 ERC-777 VTX on Ropsten * DONE
5. prevent issuing on the Ethereum side if there are less than 8 nodes TODO

Docker network * ONGOING

1. Eos wallet
2. Openethereum
3. Bridging oracle
4. Bitcoin node
5. Vdex node

Test network * DONE
Running nodeos binary and feeding the output to second terminal enables "caveman" debugging on the chain.

2 Tests

1. **Staking test**
   (a) v11111111111 stakes 10000.00000000 VTX DONE
2. **Persistency test**
   (a) Uptime DONE
   (b) Less than 8 nodes DONE
   (c) Register and unregister nodes DONE
3. **Authority tests**
   (a) Open, unlocks eos wallet and signs executes oracle balance submission to EOS. DONE
   (b) Register and unregister nodes DONE
   (c) Reward test DONE
      i. Test job selection DONE
      ii. Test reward calculation DONE
      iii. Test transfer DONE
      iv. Test period DONE
   (d) Oracle test * REGRESSION
      i. Decouple eth-vtx oracle and uptime DONE
      ii. Bridge functionality ONGOING
      iii. Load tests TODO

3 Postulates/Todo

1. Vdexnode config mechanism
2. VDex node EOSIO test net
   (a) Eosio config files DONE
   (b) copy files on network
   (c) automate launch in vdexNode
3. Reverse proxy
   A Nginx HTTPS reverse proxy is an intermediary proxy service which takes a client request, passes it on to one or more servers, and subsequently delivers the server's response back to the client. In our case for key management keosd has to be launched as daemon behind reverse proxy(nginx) nginx will be used to enable password based authentication.