

Volentix network test plan

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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 100000.000000000 ERC-777 VTX on Ropsten * DONE
5. Create reward pool TODO
6. 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 * ONGOING

Running nodeos binary and feeding the output to second terminal enables "cave-man" debugging on the chain.

2 Tests

1. Staking test

- (a) v1111111111 stakes 10000 TVTX **DONE**

2. Persistency test

- (a) Uptime **REGRESSION**
- (b) Less than 8 nodes **REGRESSION**
- (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 **ONGOING**
 - i. Test job selection **DONE**
 - ii. Test reward calculation **ONGOING**
 - iii. Test transfer **TODO**
- (d) Oracle test * **REGRESSION**
 - i. Decouple eth-vtx oracle and uptime **REGRESSION**
 - ii. Load tests **TODO**

3 Postulates

1. 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.

4 Conclusions

- 1. Oracle sending uptime does not observe micro service architecture **TODO**