Volentix network test plan

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1 Preparation

Main accounts on Jungle testnet 2 * DONE

1. vltxstakenow
   The staking contract
2. volentixtsys
   The main token contract, emulation of volentixgsys
3. vistribution
   Distribution contract
4. volentixvote
   Voting contract
5. volentixsale
   Pool

Other preparatory actions

1. compile Volentixgsys.cpp * DONE
   `https://github.com/Volentix/volentix_contracts/blob/master/volentixgsys/src/volentixgsys.cpp`
2. Deploy main token on *volentixtsys* * DONE
3. Create 2.1 million TVTX * DONE
4. Create volentixsale testnet account and isssue balance of EOS volentixsale (128153044.02514328 VTX) * DONE
5. Deploy vdexdposvote contract to volentixvote + ressources * DONE
6. Deploy vtxdistribut contract to vistribution + ressources * DONE
7. Deploy volentixstak contract to vltxstakenow + ressources * DONE

8. Mint 2 test pools of 100000.00000000 ERC-777 VTX on Ropsten * DONE
9. Deploy custodian on v22222222222 + ressources * DONE
10. set v22222222222 permissions for volentixtsys * DONE
11. Initialize v22222222222 *currentbal*
12. Clear v22222222222 *balances* buffer
13. Init vltxstakenow
14. Edit docker compose
    Initial default values
15. Make vltxstakenow, vistribution, and v22222222222 use volentixvote registration
16. Registration requires choosing which containers to run
17. Put condition for 10000 VTX staked in vltxstakenow
18. Ensure uptime is respected
19. prevent issuing on the Ethereum side if there are less than 8 nodes

Docker network * DONE

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

2 Tests

1. **Persistency test**
   (a) uptime
   (b) Less than 8 nodes
   (c) Register and unregister nodes
2. **Authority tests**
   (a) Open, unlocks eos wallet and signs executes oracle balance submission to EOS.
   (b) Register and unregister nodes
   (c) reward selection and funds transfer
3. **Accuracy tests**
   (a) reward selection and funds transfer

3 Postulate

1. A default active private key can be used to send to oracle initially.

2. 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.