

# 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](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 issue balance of EOS volentixsale (128153044.02514328 VTX) \* **DONE**
5. Create registering node account on eosio testnet and issue 1000000 VTX  
ex: quaremachina
6. Deploy vdxdpovote contract to volentixvote + ressources \* **DONE**
7. Deploy vtxdistribut contract to vistribution + ressources \* **DONE**

8. Deploy volentixstak contract to vltxstakenow + ressources \* **DONE**
9. Mint 2 test pools of 100000.000000000 ERC-777 VTX on Ropsten \* **DONE**
10. Deploy custodian on v2222222222 + ressources \* **DONE**
11. set v2222222222 permissions for volentixsys \* **DONE**
12. Initialize v2222222222 *currentbal*
13. Clear v2222222222 *balances* buffer
14. Init vltxstakenow
15. Edit docker compose  
Initial default values
16. Make vltxstakenow, vistribution, and v2222222222 use volentixvote registration
17. Registration requires choosing which containers to run
18. Put condition for 10000 VTX staked in vltxstakenow
19. Ensure uptime is respected
20. 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. **Staking test**
  - (a) v2222222222 stakes 10000 VTX
2. **Persistency test**
  - (a) Uptime
  - (b) Less than 8 nodes
  - (c) Register and unregister nodes

### 3. **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

### 4. **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.