

# Volentix network test plan

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## 1 Preparation

### Main accounts on Jungle testnet 2

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. Deploy main token on *volentixtsys*
2. Create 2.1 million TVTX
3. Create volentixsale testnet account and issue balance of EOS volentixsale
4. Deploy vdexdposvote contract to volentixvote + ressources
5. Deploy vtxdistribut contract to vistribution + ressources
6. Deploy volentixstak contract to vltxstakenow + ressources
7. Mint 2 test pools of 100000.0000000000 ERC-777 VTX on Ropsten
8. Deploy custodian on v2222222222 + ressources
9. set v2222222222 permissions for volentixtsys

10. Initialize `v222222222222 currentbal`
11. Clear `v222222222222 balances` buffer
12. Make `vltxstakenow`, `vistribution`, and `v222222222222` use `volentixvote` registration
13. Put condition for 10000 VTX
14. Ensure uptime is respected
15. prevent issuing on the Ethereum side if there are less than 8 nodes

### **Docker network**

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
- (d) reward selection and funds transfer

### **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 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.