

VTX token retire mechanism test plan

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1 Preparation

Nodes on jungle test net 8 nodes

1. v444444444444
2. quaremachina
3. volentixst5
4. vltxtknaudit
5. x111111111111
6. x222222222222
7. x333333333333
8. vtx2222222222

Create accounts

1. create v111111111111, v222222222222, v333333333333, v555555555555

Other preparatory actions

1. Mint 2 test pools of 100000.00000000 ERC-777 VTX on Ropsten
2. Deploy TVTX token contracts on v111111111111
3. Deploy custodian on v222222222222
4. set v222222222222 permissions for v111111111111
5. Issue token pool v333333333333
6. Initialize v222222222222 *currentbal*
7. Clear v222222222222 *balances* buffer

8. register nodes to v22222222222

Docker network

1. eos wallet
2. open ethereum
3. oracle

2 Tests

1. **Precision test**

All nodes send same amount.

- (a) amount upper/lower bounds: concordant balance
- (b) amount format

2. **Buffer test**

- (a) Nodes all send different amounts
- (b) 2/3 Nodes send same amount
- (c) Flooding/DDos

3. **Registration test**

4. **Unregistration test**

5. **EOS bandwidth test**

6. **Persistence test**

- (a) Message to network less than 8 nodes with pesistency
- (b) Iterate through 16 nodes and shut 8 down
- (c) Manage if provider is not available.
- (d) Test values from providers