VTX token retire mechanism test plan

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1 Preparation

Nodes on jungle test net 8 nodes

1. v44444444444

2. quaremachina

3. volentixtst5

4. vltxtknaudit

5. x111111111111

6. x22222222222

7. x33333333333

8. vtx222222222

Create accounts

1. create v11111111111, v222222222222, v33333333333, v55555555555

Other preparatory actions

1. Mint 2 test pools of 100000.00000000 ERC-777 VTX on Ropsten

2. Deploy TVTX token contracts on v11111111111

3. Deploy custodian on v22222222222

4. set v22222222222 permissions for v11111111111

5. Issue token pool v33333333333

6. Initialize v22222222222 *currentbal*

7. Clear v22222222222 *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**DONE

4. **Unregistration test**DONE

5. **EOS bandwidth test**

6. **Persistency test**IN PROGRESS

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

7. **Out of ressouces test**

   (a) CPU DONE
   (b) Memory
   (c) BW

3 Considerations

1. Should there be a mechanism for the case where there is no more values being fed to the oracle, keeping the eth side from issuing for that pool?