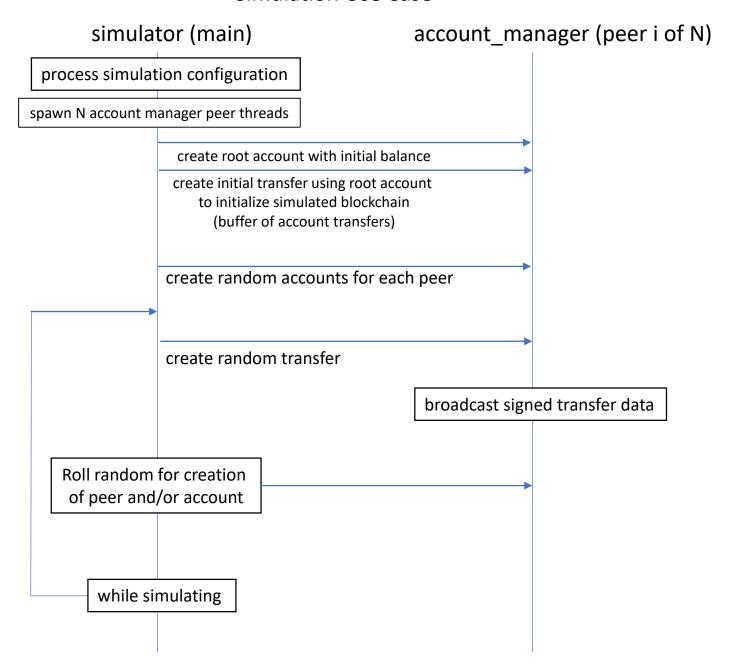


Simulation Use Case



Account Manager Use Case account_manager (peer i of N) account manager (peer j of N) run broadcast this peer data to subset of peers (peer ping) broadcast subset A of peers data to subset B of peers (peer data forwarding) process peer data (update peer list) process peer data (update peer list) transfer(fromAccount, toAccount) broadcast to Account request data process account request data broadcast public account data account create signed transfer broadcast signed transfer data miners verify signed transfer, calculate work, & add to local blockchain broadcast block data verify block & add to local blockchain while running

Block Structure

block

- -nonce
- -sequence number
- -previous block hash

signedTransfer

-from account signature

transfer

- -from account previous transaction sequence number
- -from account public key length
- -from account public key
- -from account old balance
- -from account new balance
- -to account previous transaction sequence number
- -to account public key length
- -to account public key
- -to account old balance
- -to account new balance