Win：192.168.1.45

Mac：192.168.1.223

初始化

cd /Users/lyz/Desktop/privatechain

cd C:/Users/z/Desktop/privatechain

geth --datadir data0 init genesis.json

geth --datadir data1 init genesis.json

geth --datadir data2 init genesis.json

启动

节点1

cd C:/Users/z/Desktop/privatechain

geth --identity "zly’s\_win" --datadir "C:/Users/z/Desktop/privatechain/data0" --networkid 12345 --port 30301 --http --http.port 8545 --http.addr "localhost" --http.corsdomain "\*" --http.api "eth,net,web3,personal,miner" --rpc.enabledeprecatedpersonal --allow-insecure-unlock --nodiscover --gasprice 20000000000 --gaslimit 8000000 --verbosity 5 console 2>>geth.log

cd C:/Users/z/Desktop/privatechain

geth --identity "zly’s\_win" --datadir "C:/Users/z/Desktop/privatechain/data0" --networkid 12345 --port 30301 --http --http.port 8545 --http.addr "localhost" --http.corsdomain "\*" --http.api "eth,net,web3,personal,miner" --rpc.enabledeprecatedpersonal --allow-insecure-unlock --nodiscover --miner.gasprice 2000 --miner.gaslimit 8000000 --verbosity 5 console 2>>geth.log

cd "C:\Users\z\Desktop\privatechain\exp\6"

node measureTxpoolTime.js

--rpc.enabledeprecatedpersonal

使用上述命令，可以重启personal接口

新建账号

geth --datadir "C:/Users/z/Desktop/privatechain/data0" account new

(新的命令行操作)

口令均为001

Public address of the key: 0x77F206B5b54317790Bf8a399595fe3Ebc17e0489

Path of the secret key file: C:\Users\z\AppData\Local\Ethereum\keystore\UTC--2024-06-22T03-11-33.081789200Z--77f206b5b54317790bf8a399595fe3ebc17e0489

Public address of the key: 0x2D7095AB782926c6b010950485cdd4780b8F1D2d

Path of the secret key file: C:\Users\z\Desktop\privatechain\keystore\UTC--2024-06-22T03-16-34.433844500Z--2d7095ab782926c6b010950485cdd4780b8f1d2d

Public address of the key: 0xA1F2fA0aBE77fC98A4195294c7088b78386805bf

Path of the secret key file: C:\Users\z\Desktop\privatechain\data0\keystore\UTC--2024-06-22T03-19-54.331189800Z--a1f2fa0abe77fc98a4195294c7088b78386805bf

解锁

personal.unlockAccount(eth.accounts[0])

查余额

web3.fromWei(eth.getBalance(eth.accounts[0]),'ether')

挖一个区块就停止

miner.start(1);admin.sleepBlocks(1);miner.stop();

设置账号

miner.setEtherbase(eth.accounts[0])

开始挖矿

miner.start()

miner.stop()

列举所有账号

eth.accounts

查询余额

eth.getBalance(eth.accounts[0])

查询难度

eth.getBlock('latest').difficulty

查询所有peer

admin.peers

添加peers

admin.addPeer("enode://4505d1b5914475c53bf1cfb31326055bf549105eb92e0fc5bd868ecdf8c1c88278bf9cc44c42a16ad47db360ee920739e3dd495e13cf9b2a8eb0fe971dfc6c81@192.168.1.223:30301?discport=0")

txpool

eth.getBlock('latest', true)

txpool

txpool

eth.sendTransaction({from:eth.accounts[0], to:"0xa064182fb50107610a5d61ec2219b28771cd846a", value: web3.toWei(0.1, "ether"), gas: 2100000, gasPrice: web3.toWei(1, "gwei"),data: ''})

txpool

eth.sendTransaction({ from: '0xYourAddress', // 替换为你的地址 to: '0xRecipientAddress', // 替换为接收方的地址 value: web3.toWei(0.1, "ether"), // 发送0.1个以太币 gas: 21000, // 标准转账的Gas limit gasPrice: web3.toWei(1, "gwei") // 设置Gas price为1 gwei })