# Configuration:

Default configuration is as follows:

**Client**: BlockChainClient.exe.config

<add key="host" value="localhost"/>

<add key="port" value="12345"/>

<add key="cryptoProvider" value="RLWE"/> <!-- RLWE | ED25519 -->

**Server Node 1**: BlockChainDemo.Console.exe.config

<add key="host" value="localhost"/>

<add key="port" value="12345"/>

<add key="nodeId" value="Node 1"/>

<add key="cryptoProvider" value="RLWE"/> <!-- RLWE | ED25519 -->

<add key="registerNodes" value="localhost:12346"/>

**Server Node 2**: BlockChainDemo.Console.exe.config

<add key="host" value="localhost"/>

<add key="port" value="12346"/>

<add key="nodeId" value="Node 2"/>

<add key="cryptoProvider" value="RLWE"/> <!-- RLWE | ED25519 -->

<add key="registerNodes" value="localhost:12345"/>

Notes on Crypto Providers:

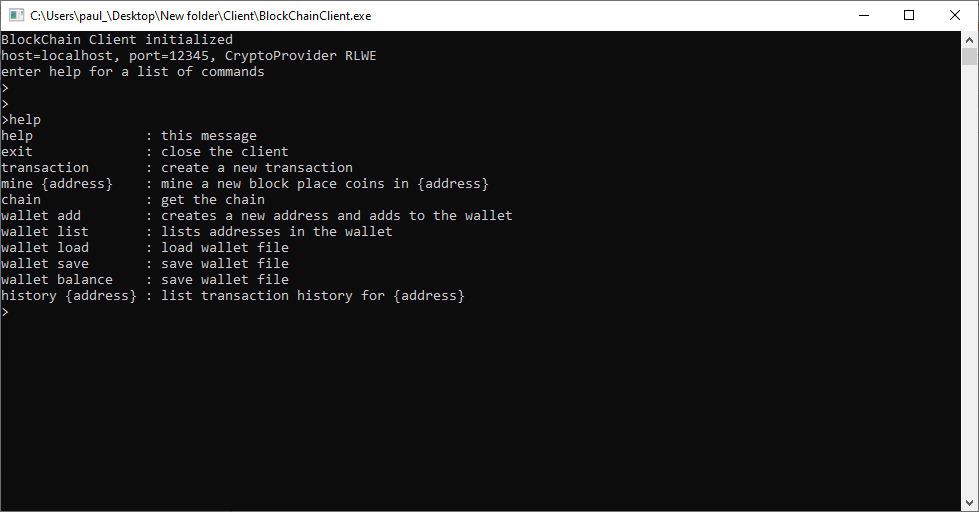
* Crypto providers can be set to “RLWE” or “ED25519”
* All clients and servers must be configured to use the same provider
* The client will use a different wallet file for each crypto provider
* The servers will use a different Block-Chain for each crypto provider

# Running

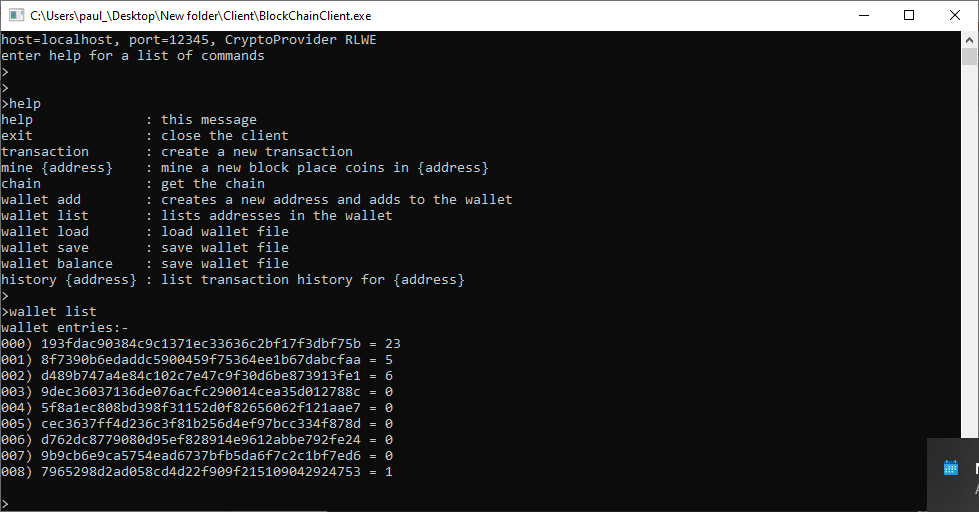
To launch a client and two servers, execute the “run.bat” batch file.

# Client Example commands

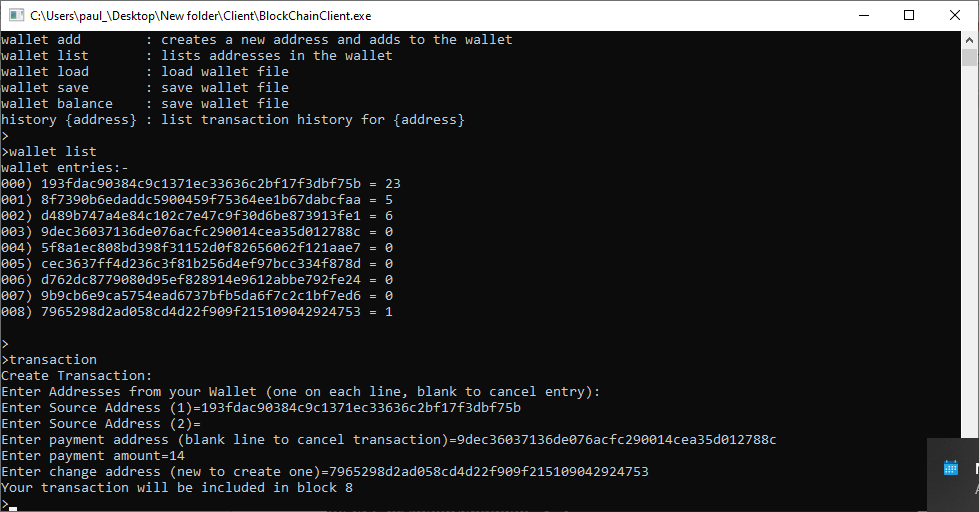
## Client : Help



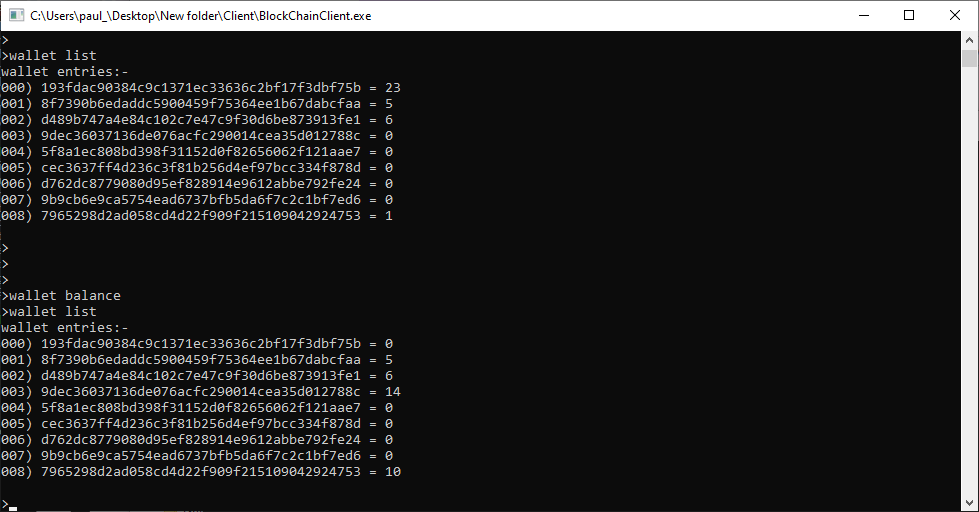
## Client : List Wallet contents:



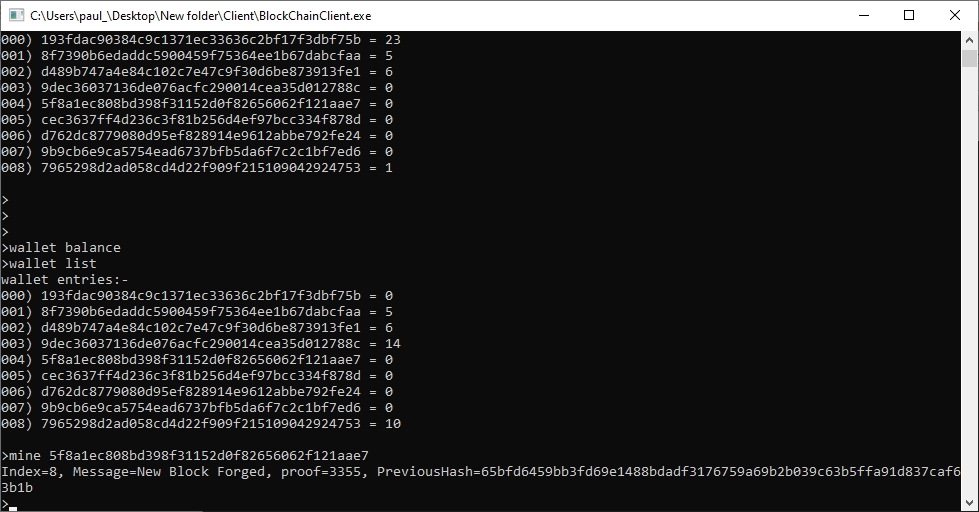
## Client : Create a Transaction (interactive):



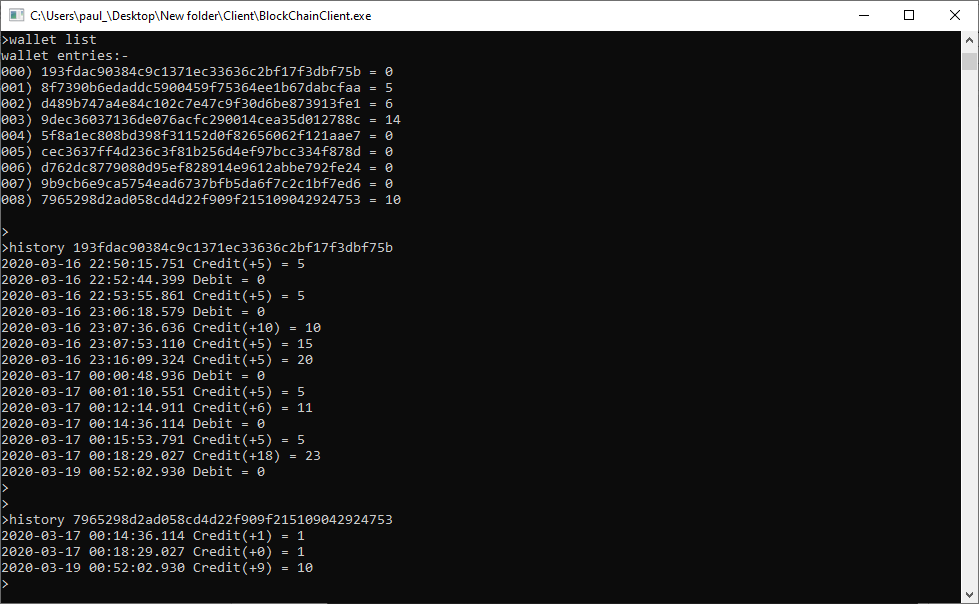
## Client : Wallet List before and after balance:



## Client : Mine



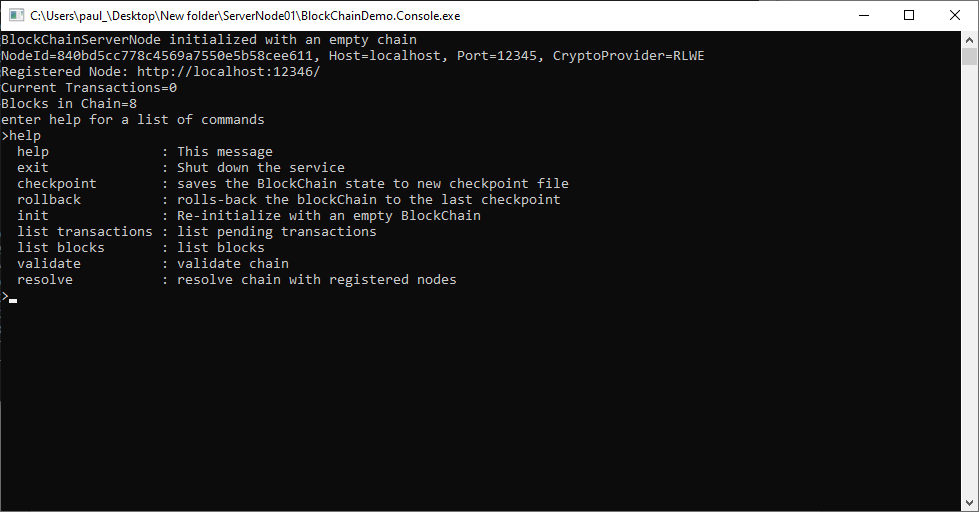
## Client : History



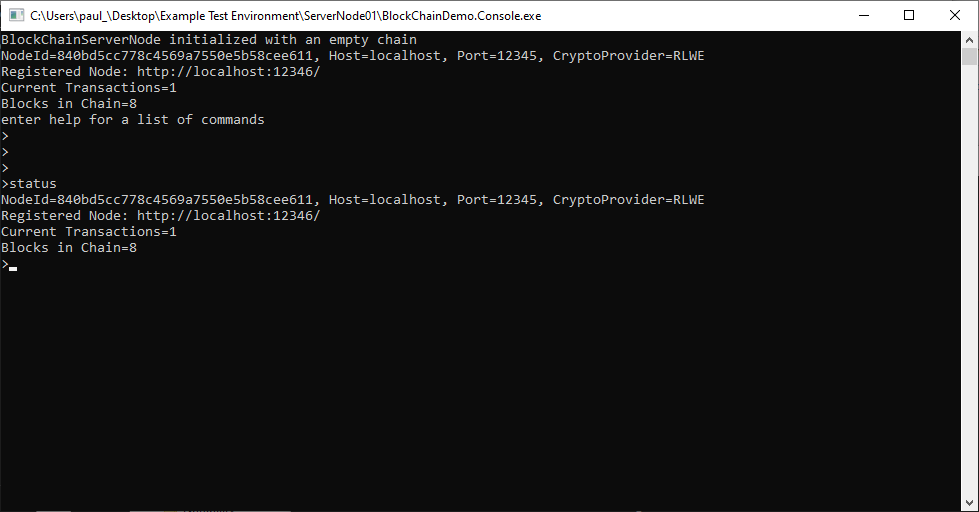
# Server Example commands

# Server Node 01

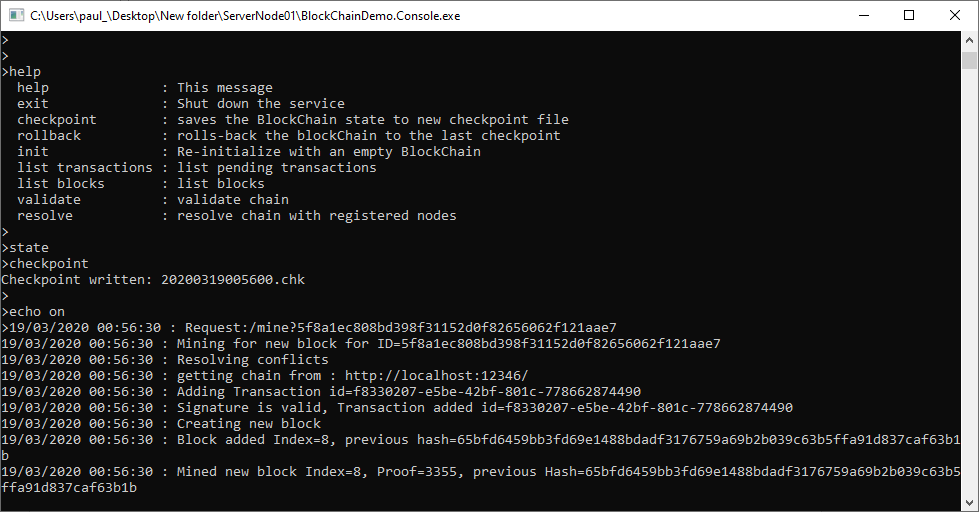
## Server Node 01 : Help



## Server Node 01 : Status



## Server Node 01 : Echo On, output of mine request from client:



# Server Node 02

## Server 02 : Ouptut from Resolve (ie. Consensus)

