

In this project, I use all the techniques which I mentioned in `bit_coin/report.pdf`. In addition to those, I also use `boost::asio::deadline_timer` to set a clock which executes once a minute. In the “timer” function of `server.cpp`, server appends all the data in a list to a string and mines it. Then server adds the new block to the blockchain and clears the list.

To run this project, same as project “bit_coin”, run `build.sh` first, and then use “`./server`” and “`./client`” to open a server or a client. Data of blockchain will be stored in “`save.txt`”. If server is stopped, it will read the data in “`save.txt`” next time when it is started so all the previous blocks will not be lost.

I implement step two-display the blockchain-just by storeing the data into the file.