BIT-ECC:
Block Generation Program

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https://github.com/infonetGIST

https://infonet.gist.ac.kr/

Purpose: The aim of this document is to illustrate the block generation algorithms (mining algorithm) for BIT-ECC core, download and run them in local machine.

Contents

1. Prerequisites

1.1 'BIT-ECC' must be installed.
1.2 'tmux' must be installed. 'tmux' is a tool for managing pseudoterminals by unit of session and window.
$ sudo apt install tmux

2. Installation

2.1 Download source code files using the below command but you don't need to compile the files.
$ git clone
https://github.com/cryptoecc/Bitcoin_ECC_BlockGenerationProgram

3. To run block generation program

3.1 Before starting mining, Check network is synchronized.
3.2 Use this command to check the number of blocks.
$ bitcoin-cli getblockcount

3.3 When the network is synchronized, Go to 'Bitcoin_ECC_BlockGenerationProgram' directory and Run tmux.

```
(base) gist@gist:~/Bitcoin_ECC_BlockGenerationProgram$ tmux
```

3.4 Run ./block_generation_program.
Enter your BIT-ECC public address to get reward coins.

```
(base) gist@gist:~/Bitcoin_ECC_BlockGenerationProgram$ ./block_generation_program
Error: Cannot obtain a lock on data directory /home/gist/.bitcoin. Bitcoin Core is probabl
y already running.
Wait for loading blocks.
Enter the address to get reward coins
3M2F75EruTojXUiaFeUMNHKN8YiAzLxSEt
Start mining.
If you want to stop mining, then enter ctrl + z.
[
  "93e28040c9dfe640d8e06f109157e17e09be1d930b776e4488fe4a4c3a886358"
]
[
  "407f1069c10bc586238e2cc1eb6bd12a16eed26683469cb234c8e02138d31afe"
]
[
  "f939957cc94ac3a2f75bf5b0efe073fd2eb6a689d4321ef5eac042bb602bc622"
]
```

3.5 After that, simply turn off the terminal window.