

BIT-ECC: RPC Explorer

Ha-young Park, Wahidur Rahman
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INFONET (Prof. Heung-No Lee), GIST

<https://github.com/infonetGIST>

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

Purpose: The aim of this document is to enable BIT-ECC RPC Explorer on local and remote machine.

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1. Environment

Operation System: Ubuntu 18.04 LTS 64bit
CPU: Intel i5-8600K CPU @ 3.60GHz * 6
Memory: 64 GiB
IP address: 172.26.16.197
Editor: Visual studio code 1.52.1

2. BIT-ECC RPC Explorer

2.1 Links for BIT-ECC RPC Explorer

<https://github.com/cryptoecc/btc-rpc-explorer>

<http://112.169.30.29:8080/>

<http://explorer.libervance.com:8080/>

The screenshot displays the BIT-ECC RPC Explorer web interface. The browser address bar shows '127.0.0.1:8080'. The page title is 'GIST LV TESTNET'. The interface is divided into several sections:

- Network Summary:** A grid of metrics including Hashrate (27.3 GH/s), Chainwork (114.48 x 10¹⁵ hashes), Total Transactions (17,188), Difficulty (3.4792765141301514e+39 x 10³³), Unconfirmed Transactions (0 tx (0 B)), and Blockchain Size (5.32 MB).
- Tools:** A grid of links for various functions: Node Status, Mempool Summary, RPC Browser, Peers, Transaction Stats, RPC Terminal, Browse Blocks, Unconfirmed Transactions, and BitcoinECC Fun.
- Latest Blocks (2,157 behind):** A table showing the most recent block.

Height	Timestamp (utc)	Age	Miner	Transactions	Average Fee	Size (bytes)	Weight (wu)
17,161	2021-02-04 23:12:27	5 days, 6 hours	?	1	0	252	900 (8%)

3. Installation

- 3.1 Install 'npm' using the below command. 'npm' is Node Package Manager for 'node.js' modules.

```
hayoung@hayoung-MS-7B46:~/bitcoin_ECC$ sudo apt-get install npm
```

- 3.2 Download the BIT-ECC RPC Explorer.

```
hayoung@hayoung-MS-7B46:~/bitcoin_ECC$ sudo npm install -g bitcoin-ecc-rpc-explorer
```

- 3.2.1 Run the BIT-ECC first.

```
hayoung@hayoung-MS-7B46:~/bitcoin_ECC$ bitcoind -txindex -daemon  
Bitcoin server starting
```

- 3.3 Run the Bitcoin ECC RPC Explorer

- 3.3.1 Local: Access to <http://127.0.0.1:8080> from browser.

```
hayoung@hayoung-MS-7B46:~$ bitcoin-ecc-rpc-explorer --port 8080 --bitcoind-port 9776
```

- 3.3.2 Remote: Access to 'http://<your IP address>:8080' from browser.

```
hayoung@hayoung-MS-7B46:~$ bitcoin-ecc-rpc-explorer --host 0.0.0.0 --port 8080 --bitcoind-port 9776
```