

## Thiết lập RegTest

```
Windows PowerShell x Windows PowerShell x + v
PS C:\Users\piece> bitcoin -regtest -server -fallbackfee="0.0002" -maxfeerate="0.5"
Error: Error parsing command line arguments: Invalid parameter -maxfeerate=0.5
PS C:\Users\piece> bitcoin -regtest -server -fallbackfee="0.0002"
2025-10-08T06:46:22Z Bitcoin Core version v28.1.0 (release build)
2025-10-08T06:46:22Z Script verification uses 15 additional threads
2025-10-08T06:46:22Z Using the 'x86_shani(1way,2way)' SHA256 implementation
2025-10-08T06:46:22Z Using RdSeed as an additional entropy source
2025-10-08T06:46:22Z Using RdRand as an additional entropy source
2025-10-08T06:46:22Z Default data directory C:\Users\piece\AppData\Local\Bitcoin
2025-10-08T06:46:22Z Using data directory C:\Users\piece\AppData\Local\Bitcoin\regtest
2025-10-08T06:46:22Z Config file: C:\Users\piece\AppData\Local\Bitcoin\bitcoin.conf (not found, skipping)
2025-10-08T06:46:22Z Command-line arg: fallbackfee="0.0002"
2025-10-08T06:46:22Z Command-line arg: regtest=""
2025-10-08T06:46:22Z Command-line arg: server=""
2025-10-08T06:46:22Z Using at most 125 automatic connections (2048 file descriptors available)
2025-10-08T06:46:22Z scheduler thread start
2025-10-08T06:46:22Z Binding RPC on address ::1 port 18443
2025-10-08T06:46:22Z Binding RPC on address 127.0.0.1 port 18443
2025-10-08T06:46:22Z Using random cookie authentication.
2025-10-08T06:46:22Z Generated RPC authentication cookie C:\Users\piece\AppData\Local\Bitcoin\regtest\cookie
2025-10-08T06:46:22Z Permissions used for cookie: rw-rw-rw-
2025-10-08T06:46:22Z Starting HTTP server with 4 worker threads
2025-10-08T06:46:22Z Using wallet directory C:\Users\piece\AppData\Local\Bitcoin\regtest\wallets
2025-10-08T06:46:22Z init message: Verifying wallet(s)...
2025-10-08T06:46:22Z Using /16 prefix for IP bucketing
2025-10-08T06:46:22Z init message: Loading P2P addresses...
2025-10-08T06:46:22Z Loaded 1 addresses from peers.dat 0ms
2025-10-08T06:46:22Z init message: Loading banlist...
2025-10-08T06:46:22Z SetNetworkActive: true
```

## Khởi tạo 2 miners + 2 users

```
Windows PowerShell x Windows PowerShell x + v
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\piece> bitcoin-cli -regtest createwallet "miner1"
{
  "name": "miner1"
}
PS C:\Users\piece> bitcoin-cli -regtest createwallet "miner2"
{
  "name": "miner2"
}
PS C:\Users\piece> bitcoin-cli -regtest createwallet "user1"
{
  "name": "user1"
}
PS C:\Users\piece> bitcoin-cli -regtest createwallet "user2"
{
  "name": "user2"
}
PS C:\Users\piece> |
```

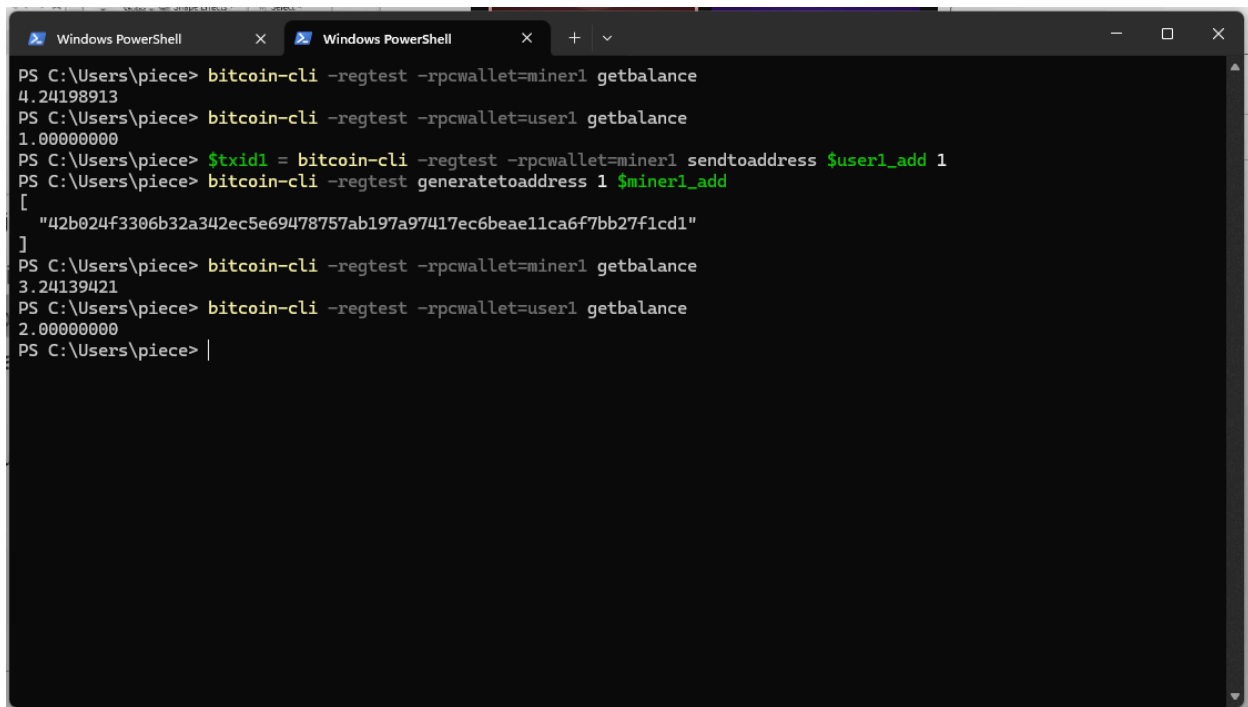
## Miner1 sinh Block

```
Windows PowerShell
PS C:\Users\piece> $miner1_add = bitcoin-cli -regtest -rpcwallet=miner1 getnewaddress
PS C:\Users\piece> $miner1_add
bcrt1qmwz9004u7cv9mmwla0d4nld484rg4vwlhxnqdpun
PS C:\Users\piece> bitcoin-cli -regtest generatetoaddress 100 $miner1_add
[
  "3ea9172f93a99e8037c764d41d37083b7ecd26e684e35c5ab03f92240355b95a",
  "407f913ecdad18ae7b859f2f66a21ad3934097a361cd50b2edee0e6dcb110f8e",
  "1306b4d198d5f84227acce2ff3f69fd3e5e89e2fc9b9f22a4d96d764398ad729",
  "26ba3c76a2297c042091b7b37d06fa3e60fa8848255ea15faf8128c0cc6bf3ed",
  "34b7ffbd5af63e77e061f7d9cbb98f47857f6583a0e7c12a34aafb2c0d2200",
  "1aa238856c0e066d15c1bb2fc475ea78b06f99ac06e34471e50f14bec525daa6",
  "401e304228815b40cb4d860246959ef8a8d6501b011d51115ad88004c4bd4ea4",
  "735d2ac85e1c815f740642d8709416ffca2f0f2f5e7544889334b03c554606ef",
  "702f82a4ca388655ebba53570c552656010393d8c6b1a37cabbdd4a1a589f43bc",
  "56993d75dad54128b63f1ef72c21f9f88a29d663bda66be4a8e696c7e58c566d",
  "2723f01cd63f3f5416925d447f0ff355f7443dc335a265f0f3440dee4e31d97c",
  "3c6f46f9163c368bd7d82c54b9364e84ecb42401c7da2d29f9c00d86744ccad",
  "7139595df1a43601e00320166300a1dbc3f4ef832e936e28d7d490e838175e7e",
  "0db04f0bd5af63e77e061f7d9cbb98f47857f6583a0e7c12a34aafb2c0d2200",
  "13f13a608fd540e939b8e6e1ae48ec7613650cce099d697f806d71477b4ce55e",
  "568c9ba1e7105d7ce4797d551ae01984f36cb8e8b1a097f256c7f9d928a353b8",
  "005e76f1797b16c23367cda4903c244f8fba88858b20cd0bd7403cabff16e0f7",
  "650655e607b8d7da8db63e36929ee33d3190d52ba58a5350f3beb429b443f6c8",
  "364f835db411bd7caba78045f47f6f33496f739add7faa1b74b3c8b88d88c83c",
  "281d62f40dbdc0c41635998c66562b7e6cb8d9193d30a75229f49c5d7fc42597",
  "044736a36238664220ea3de57032504a81996eedfd221658ca3b6202c368556a",
  "30b207316717911d9d3aea4b6b95f6070fed2fb9490d5a72afceda55b16531d6",
  "5a834c5612dd4184b7b024de68d5a3f485a948a75ad122fb687416562803edda",
  "0320ffa4086e8077dc7e4d83b6ddff5c24663ba48e4205e979185102f137fb72",
  "715a3eb4b7baf8d5f4a6b879792399834b68bce8cd2be636694f56858c6167f9",
]
```

## Kiểm tra số dư của miner1

```
Windows PowerShell
PS C:\Users\piece> bitcoin-cli -regtest -rpcwallet=miner1 getbalance
5.24214974
PS C:\Users\piece> |
```

Miner1 chuyển coicoin cho User1



```
PS C:\Users\piece> bitcoin-cli -regtest -rpcwallet=miner1 getbalance
4.24198913
PS C:\Users\piece> bitcoin-cli -regtest -rpcwallet=user1 getbalance
1.00000000
PS C:\Users\piece> $txid1 = bitcoin-cli -regtest -rpcwallet=miner1 sendtoaddress $user1_add 1
PS C:\Users\piece> bitcoin-cli -regtest generatetoaddress 1 $miner1_add
[
  "42b024f3306b32a342ec5e69478757ab197a97417ec6beae11ca6f7bb27f1cd1"
]
PS C:\Users\piece> bitcoin-cli -regtest -rpcwallet=miner1 getbalance
3.24139421
PS C:\Users\piece> bitcoin-cli -regtest -rpcwallet=user1 getbalance
2.00000000
PS C:\Users\piece> |
```

User1 chuyển coin cho User2