

Join Pchain main network

1. Download Files:

https://s3.us-east-2.amazonaws.com/download.pchain.org/pchain_init_dirs.zip

2. Install Command Line

(https://github.com/pchain-org/pchain/wiki/Install_):

```
./install_pchain.sh
```

3. Use the files in zip to replace 3 files as below in the local folder named pchain

1) .pchain/static-nodes.json

2) .pchain/pchain/genesis.json

3) .pchain/pchain/eth_genesis.json

4. Init pchain with eth_genesis.json

```
cd $HOME/pchain
```

```
./pchain --datadir .pchain init .pchain/pchain/eth_genesis.json
```

5.Run pchain

Run mining mode:

```
#!/bin/bash

./pchain --datadir .pchain --networkid=10000 --port=30201
--syncmode "full" --mine --rpc --rpcport 6969 --rpcaddr=0.0.0.0
--rpccorsdomain=* --rpcapi
"eth,web3,personal,net,admin,miner,tdm" --verbosity=4 >
pchain.log 2>&1 &
```

and then run this file

```
./run.sh
```

Check whether the main network is connected successfully.

Get the current block number:

```
curl -X POST -H "Content-Type:application/json" --data
'{"jsonrpc":"2.0","method":"eth_blockNumber","params":[],"id":1}'
localhost:6969/pchain
```

```
pchain@pchain-01:~/pchain$ curl -X POST -H "Content-Type:application/json" --data '{"jsonrpc":"2.0","method":"eth_blockNumber","params":[],"id":1}' localhost:6969/pchain
{"jsonrpc":"2.0","id":1,"result":"0x4fc9"}
```

Result blockNumber:{"jsonrpc":"2.0","id":1,"result":"0xdcfc9"}

Get block number 0xdcfc9 details:

```
curl -X POST -H "Content-Type:application/json" --data
'{"jsonrpc":"2.0","method":"eth_getBlockByNumber","params":["0xdbcfc9
",true],"id":1}' localhost:6969/pchain
```

[illegible]

Check main network block number 0xdcfc9 details:

(Pchain Testnet Ip:34.221.29.3)

```
curl -X POST -H "Content-Type:application/json" --data
'{"jsonrpc":"2.0","method":"eth_getBlockByNumber","params":["0xdcfc9
",true],"id":1}' 34.221.29.3:6969/pchain
```

[illegible]

Successful connection to primary network with the same hash value,
"hash":"0x723020e29263f7cda758b2c54a6a6b285eb43aaea7a899dc48
984a78f1860ff8"

6. Checking account balance

1) Check account

```
curl -X POST -H "Content-Type:application/json" --data  
'{"jsonrpc":"2.0","method":"eth_accounts","params":[],"id":1}'  
localhost:6969/pchain
```

```
pchain@pchain-01:~/pchain$ curl -X POST -H "Content-Type:application/json" --data '{"jsonrpc":"2.0","method":"eth_accounts","params":[],"id":1}' localhost:6969/  
pchain  
{  
  "jsonrpc": "2.0",  
  "id": 1,  
  "result": ["0x5defded18fe902f3f005a81d25955522416c6470"]  
}  
pchain@pchain-01:~/pchain$
```

```
curl -X POST -H "Content-Type:application/json" --data  
'{"jsonrpc":"2.0","method":"eth_getBalance","params":["0x5defded18fe9  
02f3f005a81d25955522416c6470", "latest"],"id":1}' localhost:6969/pchain
```

```
pchain@pchain-01:~/pchain$ curl -X POST -H "Content-Type:application/json" --data '{"jsonrpc":"2.0","method":"eth_getBalance","params":["0x5defded18fe902f3f005a8  
1d25955522416c6470", "latest"],"id":1}' localhost:6969/pchain  
{  
  "jsonrpc": "2.0",  
  "id": 1,  
  "result": "0x0"  
}  
pchain@pchain-01:~/pchain$
```

hash, string - the transaction hash