# 证明奇异链是一条链？

可以从以下几个技术方面来证明

## 奇异链项目源码

* 项目主页：<https://github.com/qiyichain>
* 节点源码：<https://github.com/qiyichain/peculiar>
* 系统合约：<https://github.com/qiyichain/peculiar-contracts>
* 区块浏览器源码：https://github.com/qiyichain/blockscout
* JavaSDK：https://github.com/qiyichain/qiyichain-java-sdk

## 奇异链区块浏览器

https://explorer.qiyichain.cn/

## 节点数量

* 验证方式一：可以通过区块浏览器( https://explorer.qiyichain.cn )获取



* 验证方式二： 通过RPC的方式获取区块的内容

curl -s -X POST -H "Content-type:application/json" --data '{"jsonrpc":"2.0","method":"eth\_getBlockByNumber","params":["0x49d860",true], "id":1}' http://39.108.79.56:8545 | jq

{

"jsonrpc": "2.0",

"id": 1,

"result": {

"baseFeePerGas": "0x0",

"difficulty": "0x2",

"extraData": "0xd883010000846765746888676f312e31382e34856c696e7578000000000000009e2b60d264870370f48b0611e09f5b681706b239ebfca08fd2c339d2f7d3308e585afbbb8f96725f0bcfd76c8d6bdc494bdd99772d30f866dc5def9baf3ebf2400",

"gasLimit": "0x2faf080",

"gasUsed": "0x0",

"hash": "0xdde71fcfbb9111c4e6544e74d9649be432c00c47ec5b36668cee07b0bb06c8c0",

"logsBloom": "0x00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"miner": "0x3cf9df1775918f9ace5ee1977a960ee809e3b064",

"mixHash": "0x0000000000000000000000000000000000000000000000000000000000000000",

"nonce": "0x0000000000000000",

"number": "0x49d860",

"parentHash": "0xb90de4b3d2d8dec222fa45a60baf67d2f7ce1755c06d93911616cc9c80de8c0a",

"receiptsRoot": "0x56e81f171bcc55a6ff8345e692c0f86e5b48e01b996cadc001622fb5e363b421",

"sha3Uncles": "0x1dcc4de8dec75d7aab85b567b6ccd41ad312451b948a7413f0a142fd40d49347",

"size": "0x263",

"stateRoot": "0xf10300b5de410fc8e7f5bf6d8e717615dfd3803d24f383becaa7e9785f012a2d",

"timestamp": "0x63edaaad",

"totalDifficulty": "0x93affd",

"transactions": [],

"transactionsRoot": "0x56e81f171bcc55a6ff8345e692c0f86e5b48e01b996cadc001622fb5e363b421",

"uncles": []

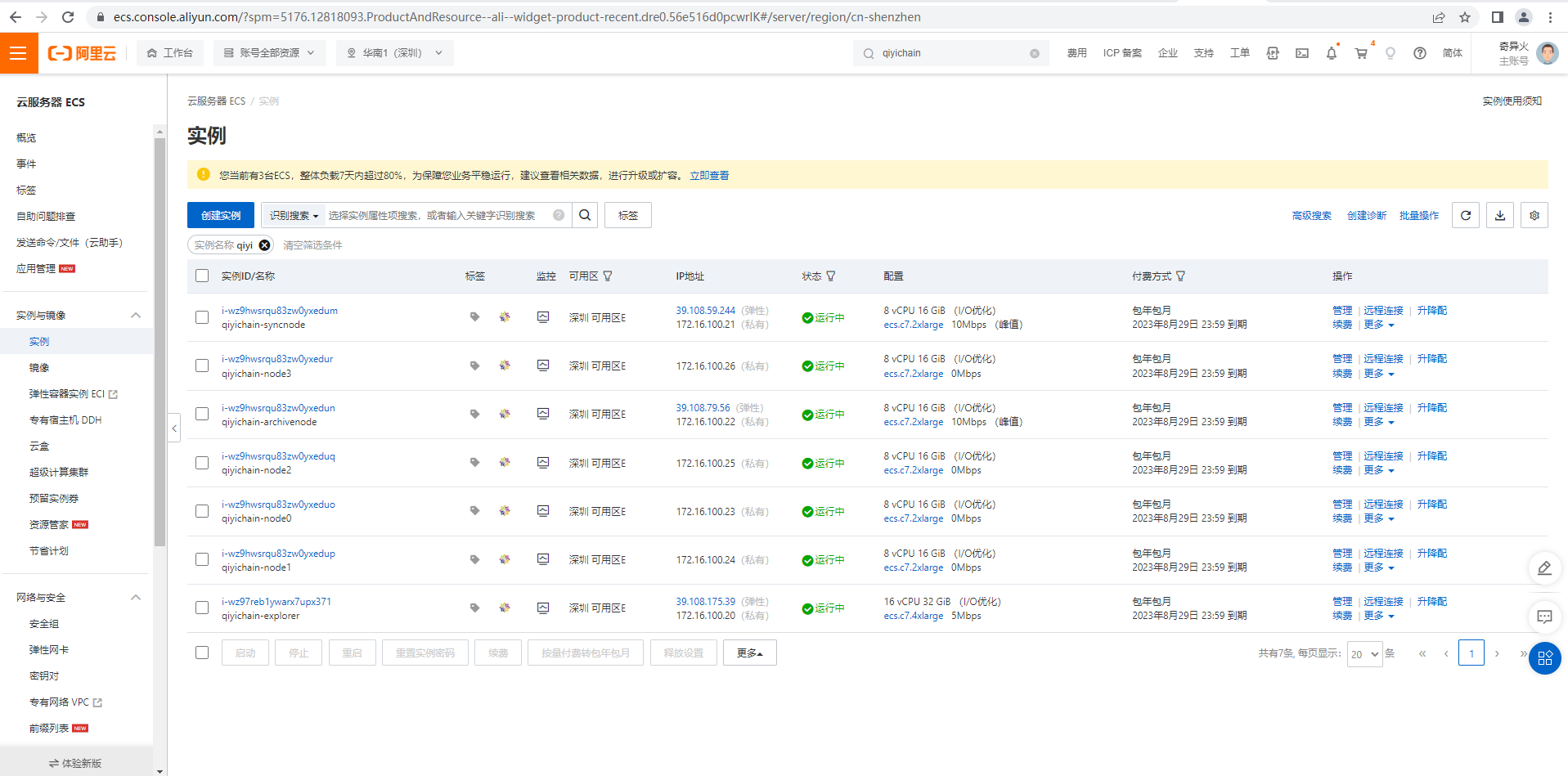
}

}

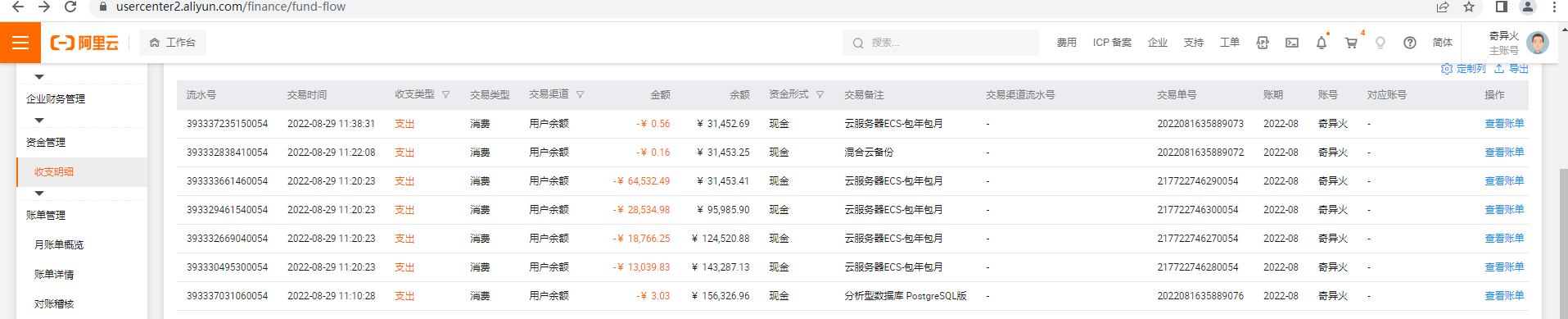
其中的 miner 字段就是节点， 我们可以连续获取最新的区块，对比响应数据的miner字段。

## 服务器

阿里云奇异链节点服务器的截图



服务器支付账单截图：



### 公共RPC节点：

* RPC： http://39.108.79.56:8545
* RPC文档，可以参考以太坊的RPC文档http://cw.hubwiz.com/card/c/ethereum-json-rpc-api/
* RPC使用示例：

我们使用Linux系统下的curl命令进行演示在

获取最新区块高度：

curl -X POST -H "Content-type:application/json" --data '{"jsonrpc":"2.0","method":"eth\_blockNumber","params":[],"id":83}' http://39.108.79.56:8545

获取指定区块，例如第1个区块：

curl -X POST -H "Content-type:application/json" --data '{"jsonrpc":"2.0","method":"eth\_getBlockByNumber","params":["0x42eceb",true], "id":1}' http://39.108.79.56:8545

获取指定交易详情：

curl -X POST -H "Content-type:application/json" --data '{"id":26,"jsonrpc":"2.0","method":"eth\_getTransactionByHash","params":["0xa48c0718f6ce3534aa793b968170a9307249932cf97182ac4322d1dfc9878e55"]}' http://39.108.79.56:8545