**submit-transaction 测试方法**

1. 开启RPC服务的node(简称node1)需连接主网，并同步至最新的区块高度；
2. 需另开一连接至主网、打开web服务的node（简称node2），并同步至最新区块高度；

使用比原官方github仓库代码编译的bytomd开启,钱包项目代码已去掉web部分了。

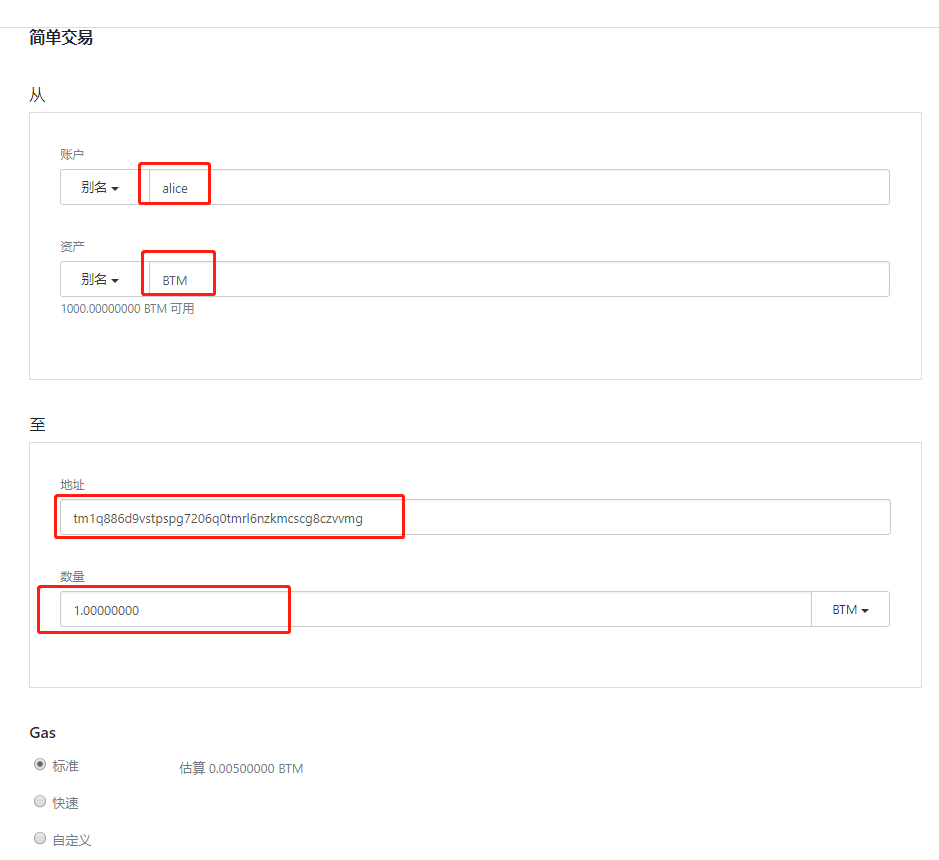
1. 使用node2的代码编译好bytomcli工具。

cd $GOPATH/github.com/bytom/cmd/bytomcli

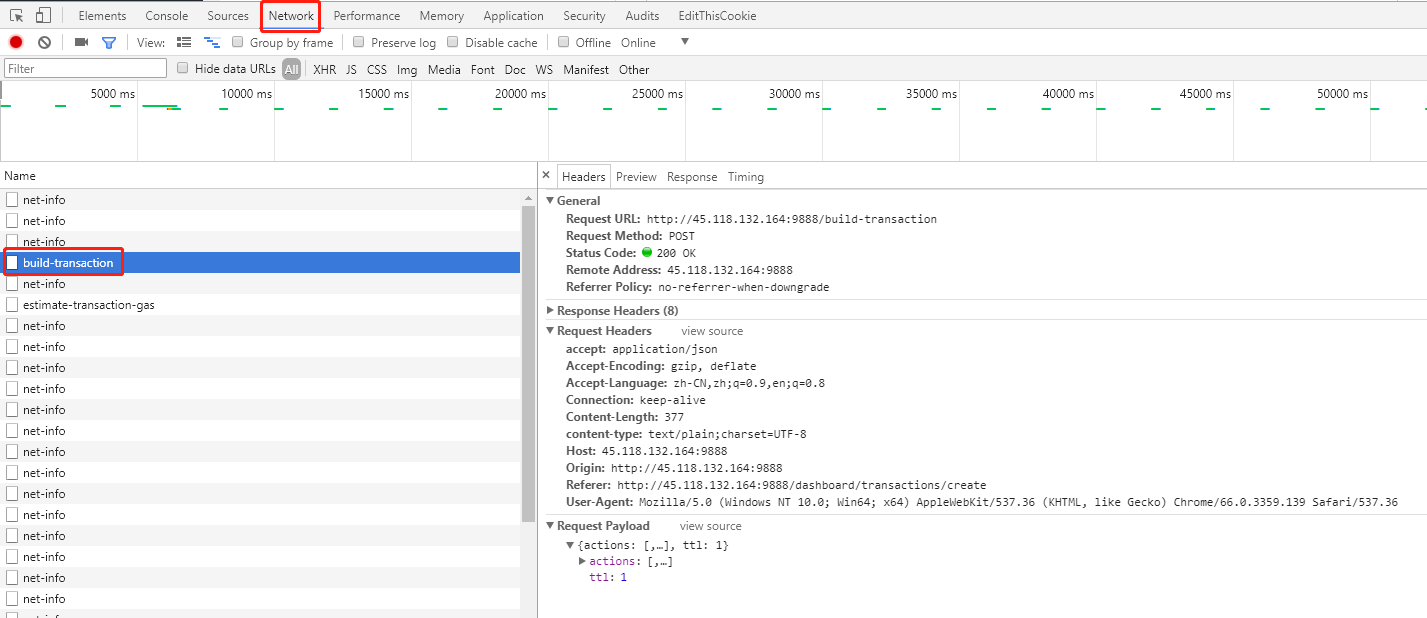
go install ./

在$GOPATH/bin下会生成bytomcli

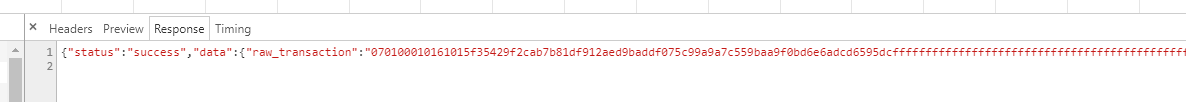
1. 连接node2 9888端口打开web dashboard，按F12，打开浏览器调试器，新建交易，如下图：



1. 在network中找到浏览器发送的build-transaction请求：



1. 点击response，复制出build-transaction接口返回的json



{"status":"success","data":{"raw\_transaction":"070100010161015f35429f2cab7b81df912aed9baddf075c99a9a7c559baa9f0bd6e6adcd6595dcfffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff80d0dbc3f40201011600140d0ba1ea88a078dec8e196d58d5927553f2069fb010002013effffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff809fcadff3020116001431b3a43b012559b37fdd97263ab58f116202705100013cffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff8084af5f0116001439f4d2b20b0c028f29fa03d7b1ff5315b788610700","signing\_instructions":[{"position":0,"witness\_components":[{"type":"raw\_tx\_signature","quorum":1,"keys":[{"xpub":"9439720b54a55efae4f5f5597a3f8cecaf3b1e16c908fcb767f6fa630380baa7c266d8610f89df06d91057f5c671597c22d048ac1613a200c06ed5cb0542c2e5","derivation\_path":["010300000000000000","0100000000000000"]}],"signatures":null},{"type":"data","value":"e1faa05b43ce5d23c11013d7f9b4e8a215db99cb5e9ef4308fc0f14020e92be0"}]}],"allow\_additional\_actions":false}}

1. 在**node2**使用bytomcli发送sign-transaction请求，获取签名，postdata取上面data部分：

bytomcli sign-transaction ‘

{"raw\_transaction":"070100010161015f35429f2cab7b81df912aed9baddf075c99a9a7c559baa9f0bd6e6adcd6595dcfffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff80d0dbc3f40201011600140d0ba1ea88a078dec8e196d58d5927553f2069fb010002013effffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff809fcadff3020116001431b3a43b012559b37fdd97263ab58f116202705100013cffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff8084af5f0116001439f4d2b20b0c028f29fa03d7b1ff5315b788610700","signing\_instructions":[{"position":0,"witness\_components":[{"type":"raw\_tx\_signature","quorum":1,"keys":[{"xpub":"9439720b54a55efae4f5f5597a3f8cecaf3b1e16c908fcb767f6fa630380baa7c266d8610f89df06d91057f5c671597c22d048ac1613a200c06ed5cb0542c2e5","derivation\_path":["010300000000000000","0100000000000000"]}],"signatures":null},{"type":"data","value":"e1faa05b43ce5d23c11013d7f9b4e8a215db99cb5e9ef4308fc0f14020e92be0"}]}],"allow\_additional\_actions":false}

’ --password <your password>

1. 获取步骤7的结果：

{"sign\_complete":true,"transaction":{"allow\_additional\_actions":false,"raw\_transaction":"","signing\_instructions":[{"position":0,"witness\_components":[{"keys":[{"derivation\_path":["010100000000000000","0100000000000000"],"xpub":"7d6c554e9aa5a190291b4739194d0f1388fd85ad572bd791c15affa27966e097d07141113281881d1811c3b6b957d918573c8cac5e989381623a80867e381025"}],"quorum":1,"signatures":["595b0eecdbe68d3a548ee131ce800dfda9f731782afdcc5931f6e8a6a8aeec2b34d84cfd7c14bb27acab581ce825e56e395fa602e85b25de1a923cc590b69e07"],"type":"raw\_tx\_signature"},{"type":"data","value":"2687c4b15c2bea41b0bef7eebd5738cb4e23d490fc6b55d37538796c96d25a4f"}]}]}}

1. 在**node1**使用步骤8中获取到的raw\_transaction，测试submit-transaction接口：

curl -X POST -d ‘

{“transactionTemplate”: “”}

’ <http://127.0.0.1:9888/v1/submit-transaction>

1. 使用list-transactions接口查询步骤9中提交的交易