



Blockchain

Solidity, metamask and Sokul testnet



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Setting up Sokol Testnet

Metamask :

Fill in the Sokol Network Details and click **Save**. Sokol will now be available in the dropdown list.

- **Network Name:** Sokol Testnet
- **New RPC URL:** <https://sokol.poa.network>
- **ChainID:** 77
- **Symbol:** SPOA
- **Block Explorer URL:** <https://blockscout.com/poa/sokol>



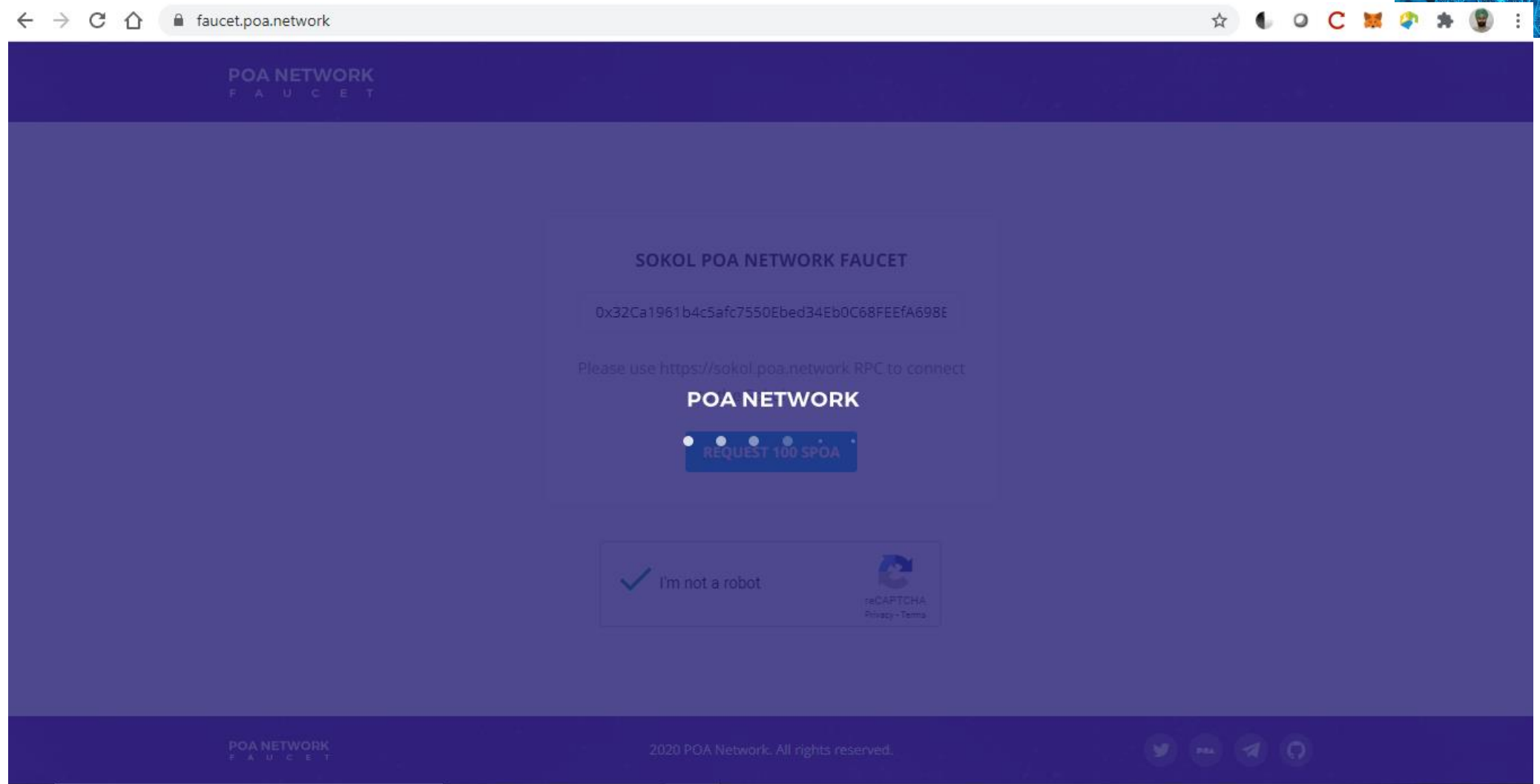
The screenshot shows the Metamask interface with the 'Main Ethereum Network' selected in the top dropdown. A 'Settings' modal is open, displaying the following fields:

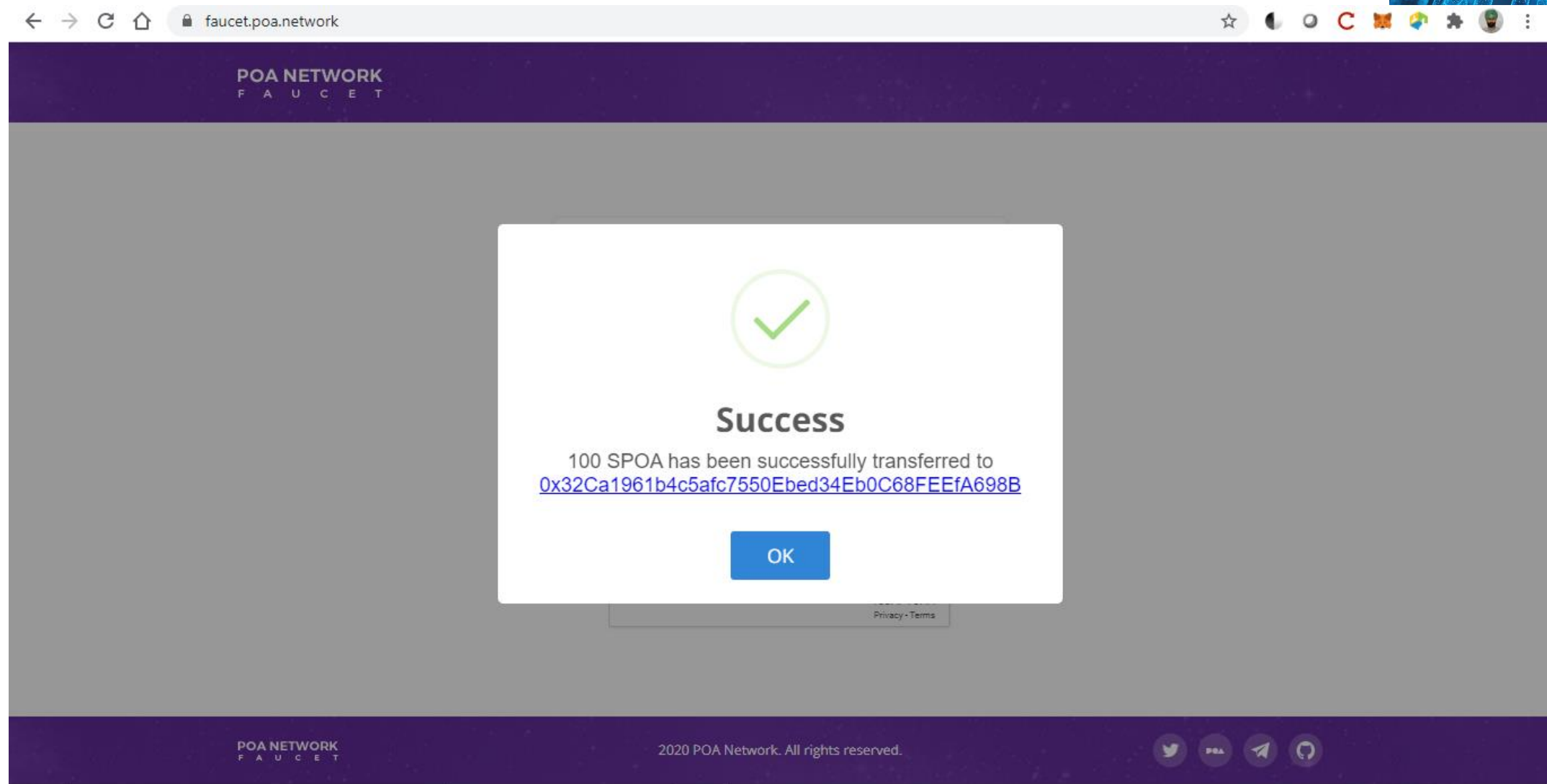
- Network Name:** Sokol Testnet
- New RPC URL:** <https://sokol.poa.network>
- ChainID (optional):** 77
- Symbol (optional):** SPOA
- Block Explorer URL (optional):** (empty field)



Faucet

The screenshot displays the POA Network Faucet website and a mobile wallet interface. The website, accessed at `faucet.poa.network`, features a purple header with the "POA NETWORK FAUCET" logo. The main content area is titled "SOKOL POA NETWORK FAUCET" and includes a text input field, instructions to use the `https://sokol.poa.network` RPC, and a blue "REQUEST 100 SPOA" button. A reCAPTCHA verification box is at the bottom. The mobile wallet interface on the right shows the "Sokol Testnet" network, a balance of "0 SPOA", and buttons for "Deposit" and "Send". A "Copied!" notification is visible above the balance. The wallet also shows a "History" section with the message "You have no transactions". The footer of the website includes the "POA NETWORK FAUCET" logo, the copyright notice "2020 POA Network. All rights reserved.", and social media icons for Twitter, POA, Telegram, and GitHub.





remix.ethereum.org/#optimize=false&evmVersion=null&version=soljson-v0.4.25+commit.59dbf8f1.js

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Injected Web3

Custom (77) network

ACCOUNT

0x85f...d0861 (99.5863292)

GAS LIMIT

3000000

VALUE

0 wei

CONTRACT

Bank - browser/bank.sol

Deploy

☐ PUBLISH TO IPFS

OR

At Address Load contract from Address

Transactions recorded 3

Deployed Contracts

CERTIFYVERIFY AT 0X1BE...4E9EF (BLOCKCHAIN)

```

1 pragma solidity 0.4.25;
2 contract Bank
3 {
4     int bal;
5     constructor () public
6     {
7         bal=1;
8     }
9     function getBalance() view public returns (int){
10         return bal;
11     }
12     function withdraw(int amt) public
13     {
14         bal =bal -amt;
15     }
16     function deposit(int amt)public
17     {
18         bal = bal+amt;
19     }
20 }

```

creation of CertifyVerify pending...

[block:15810003 txIndex:1] from:0x85f...d0861 to:CertifyVerify.(constructor) va
hash:0x18c...9b683

creation of Bank pending...

MetaMask Notification

POA Sokol Testnet

SS Sokul → New Contract

CONTRACT DEPLOYMENT

0

DETAILS DATA

GAS FEE 0

No Conversion Rate Available

AMOUNT + GAS FEE

TOTAL 0

No Conversion Rate Available

Reject Confirm

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Injected Web3

Custom (77) network

ACCOUNT

0x85f...d0861 (99.5863292)

GAS LIMIT

3000000

VALUE

0

wei

CONTRACT

Bank - browser/bank.sol

Deploy

☐ PUBLISH TO IPFS

OR

At Address

Load contract from Address

Transactions recorded 1

Deployed Contracts

Currently you have no contract instances

Home certVerfsol.sol scenario_certVerfsol_sokolSS.json bank.sol

```
1 pragma solidity 0.4.25;
2 contract Bank{
3     int bal;
4     constructor () public
5     {
6         bal=1;
7     }
8     function getBalance() view public returns (int)
9     {
10         return bal;
11     }
12     function withdraw(int amt) public
13     {
14         bal =bal -amt;
15     }
16     function deposit(int amt)public
17     {
18         bal = bal+amt;
19     }
20 }
```

2 ☐ listen on network Search with transaction hash or address

creation of Bank errored: [object Object]

creation of Bank errored: call to plugin has timed out compilerMetadata - dep

creation of Bank errored: call to plugin has timed out compilerMetadata - dep

creation of Bank pending...

MetaMask Notification

POA Sokol Testnet

SS Sokul → New Contract

CONTRACT DEPLOYMENT

0

DETAILS DATA

EDIT

GAS FEE 0

No Conversion Rate Available


AMOUNT + GAS FEE

TOTAL 0

No Conversion Rate Available

Reject Confirm

← → ↺ 🏠 🔒 blockscout.com/poa/sokol/tx/... ☆ 🌓 🕒 📈 🐱 🧩 👤 ⋮

 sokol

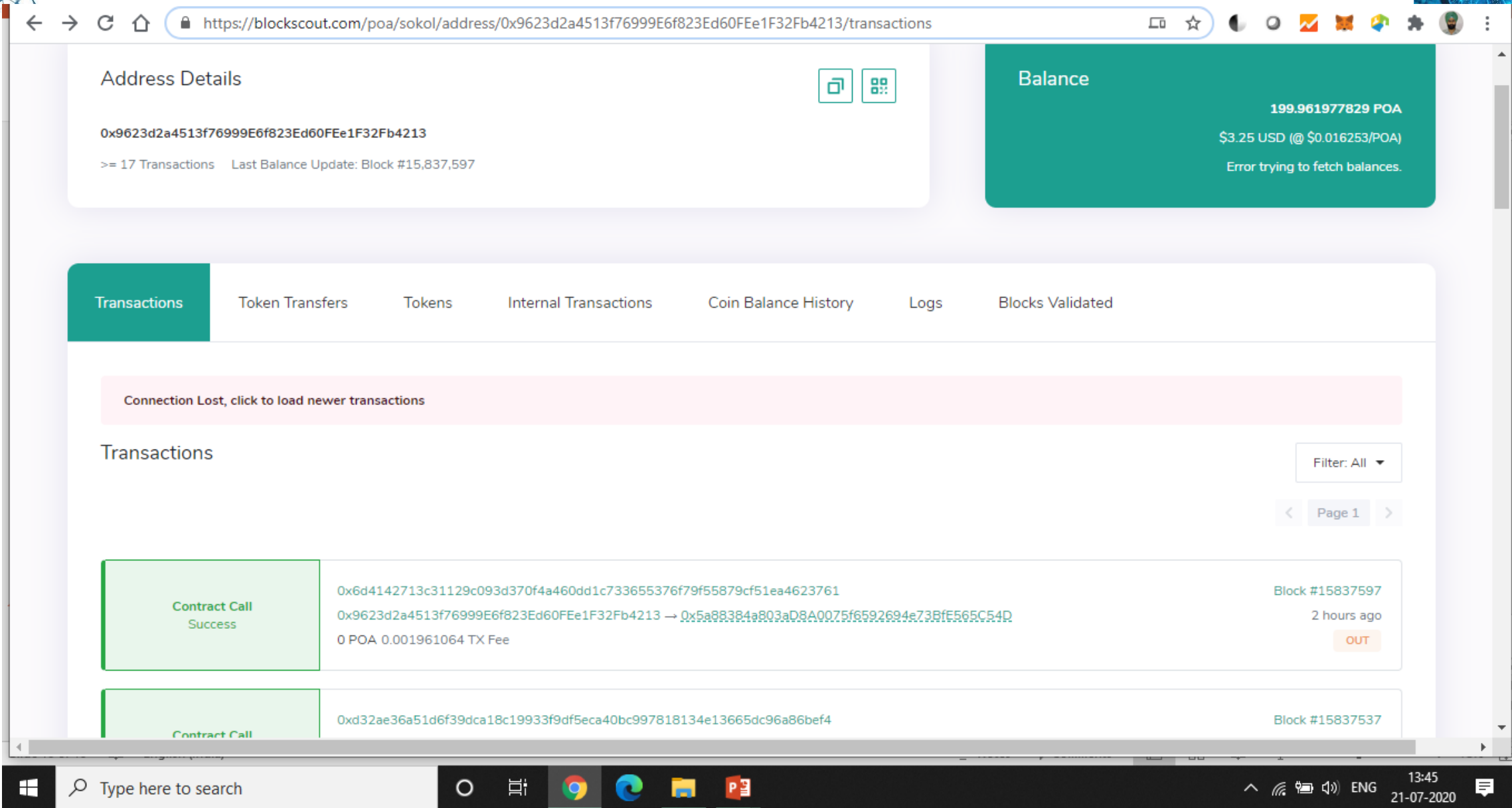
Transaction Details

0x54c883d6114e42df0bbfc0c02d317e28c02879cb903d95782fc2b6
5bce0a41d3

0x65fe-18c895 → 0xc88d-1b96c2

Contract	Success	4 hours ago (July-06-2020 10:38:45 AM +5.5
Call		UTC)

Block Number	15577589
Block	3,127
Confirmations	
Nonce	1





rinkeby.etherscan.io/address/0x0eC13C89C911C05A9e22f77386539fc971bE3F16

Etherscan

Rinkeby Testnet Network

All Filters Search by Address / Txn Hash / Block / Token / Ens

Home Blockchain Tokens Misc Rinkeby

Address 0x0eC13C89C911C05A9e22f77386539fc971bE3F16

Overview

Balance: 2.999345114 Ether

More Info

My Name Tag: Not Available

Advertise your brand here! Start Today

Transactions

Latest 9 from a total of 9 transactions

Txn Hash	Block	Age	From	To	Value	[Txn Fee]
0xc3ddf560dba2e90...	6876884	2 hrs 56 mins ago	0x0ec13c89c911c05...	OUT 0x5e23943925845b...	0 Ether	0.000027271
0xc8e6a8d2140eec...	6876875	2 hrs 58 mins ago	0x0ec13c89c911c05...	OUT 0x5e23943925845b...	0 Ether	0.000027237
0xa4a4bc86f4b324d...	6876863	3 hrs 1 min ago	0x0ec13c89c911c05...	OUT Contract Creation	0 Ether	0.000136465
0x3ec3754ceb2e5c...	6876862	3 hrs 1 min ago	0x0ec13c89c911c05...	OUT Contract Creation	0 Ether	0.000136465

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here to search

13:50 21-07-2020