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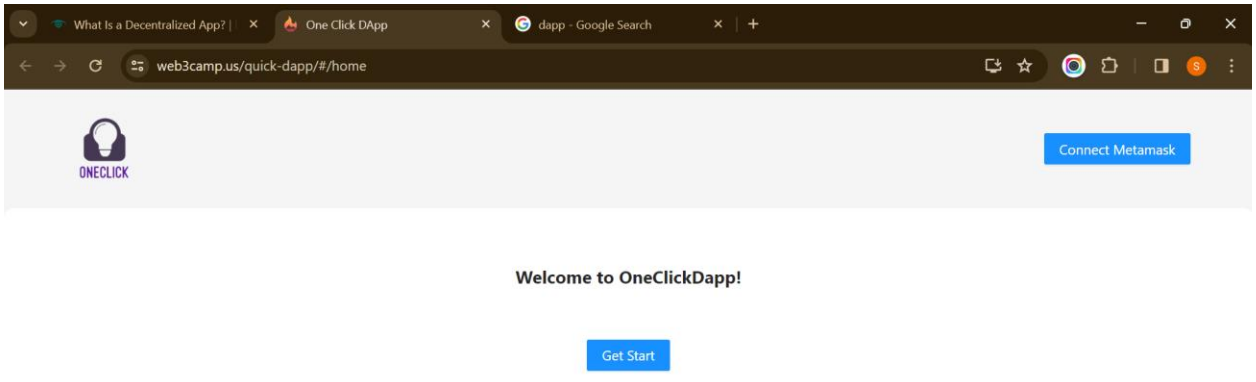
612041 (BEIT)
BLOCKCHAIN LAB

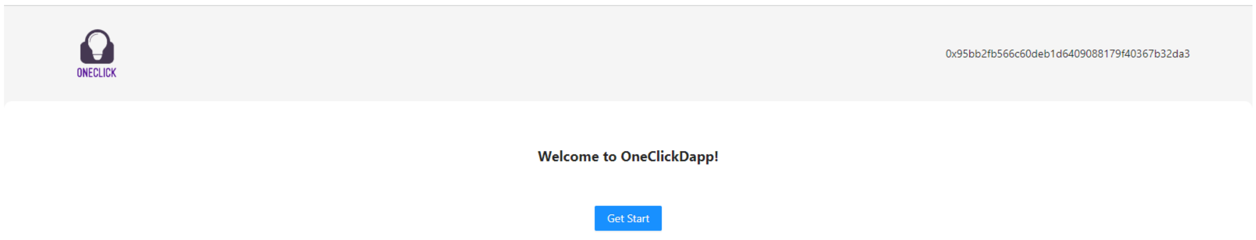
EXPERIMENT NO.: 06

Aim: To develop decentralized applications (dApp) and deploying it using One Click DApp

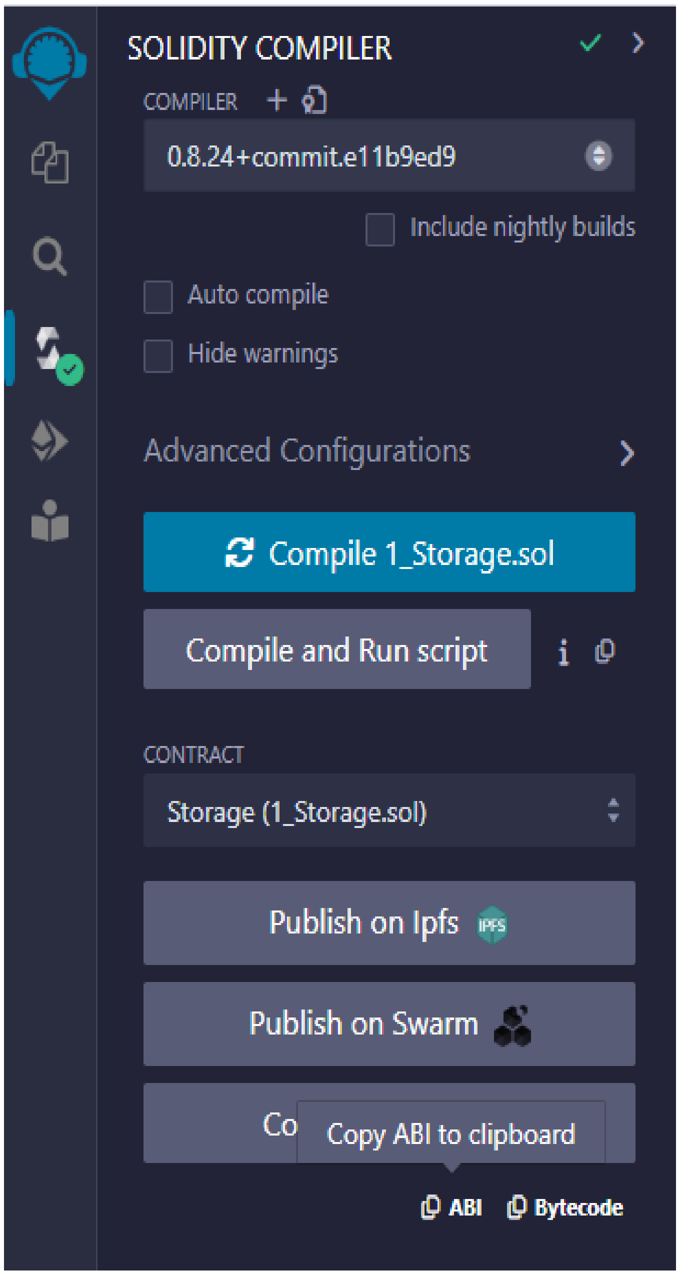
Steps: 1. Open One Click DApp https://web3camp.us/quick-dApp andConnect it to your MetaMask Account



2. When One Click DApp gets connected to your MetaMask Account, you will be able to see your wallet address on the upper-right corner



3. Next, go to Remix IDE and compile a code



SOLIDITY COMPILER

COMPILER

0.8.24+commit.e11b9ed9

☐ Include nightly builds

☐ Auto compile

☐ Hide warnings

Advanced Configurations

Compile 1_Storage.sol

Compile and Run script

CONTRACT

Storage (1_Storage.sol)

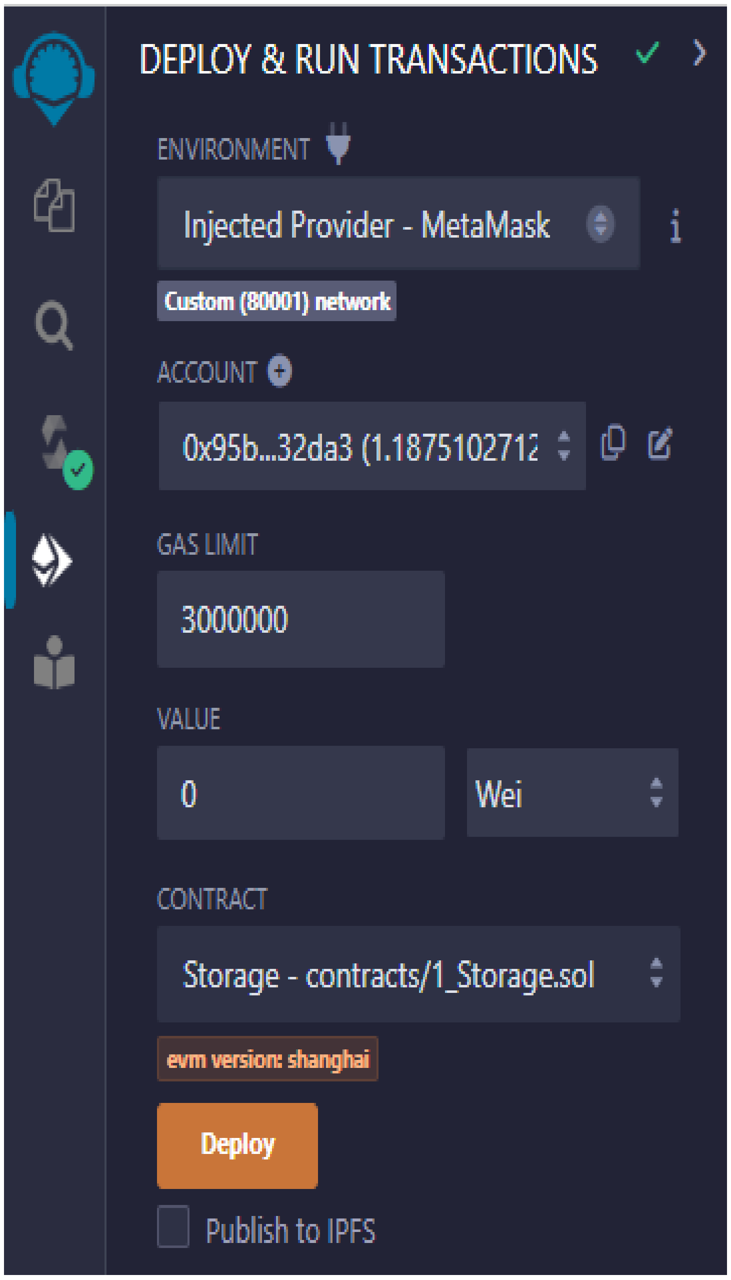
Publish on Ipfs

Publish on Swarm

Copy ABI to clipboard

ABI Bytecode

4. Deploy a smart contract by connecting it to your MetaMask account



DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Injected Provider - MetaMask

Custom (80001) network

ACCOUNT

0x95b...32da3 (1.1875102712

GAS LIMIT

3000000

VALUE

0 Wei

CONTRACT

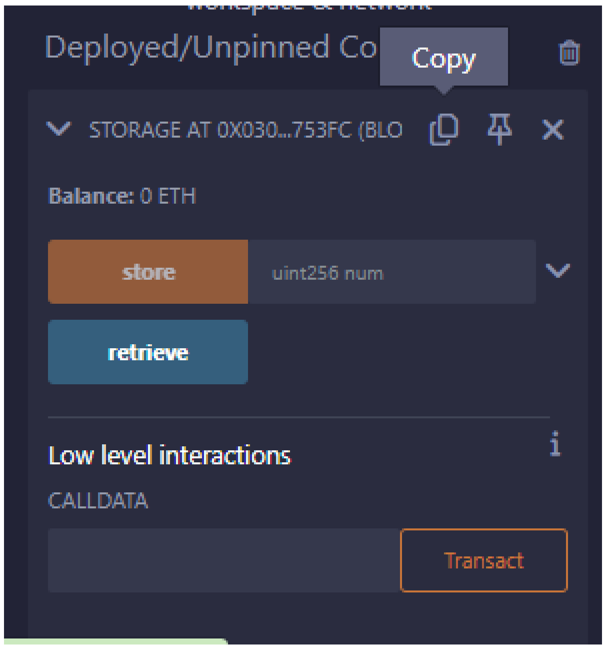
Storage - contracts/1_Storage.sol

evm version: shanghai

Deploy

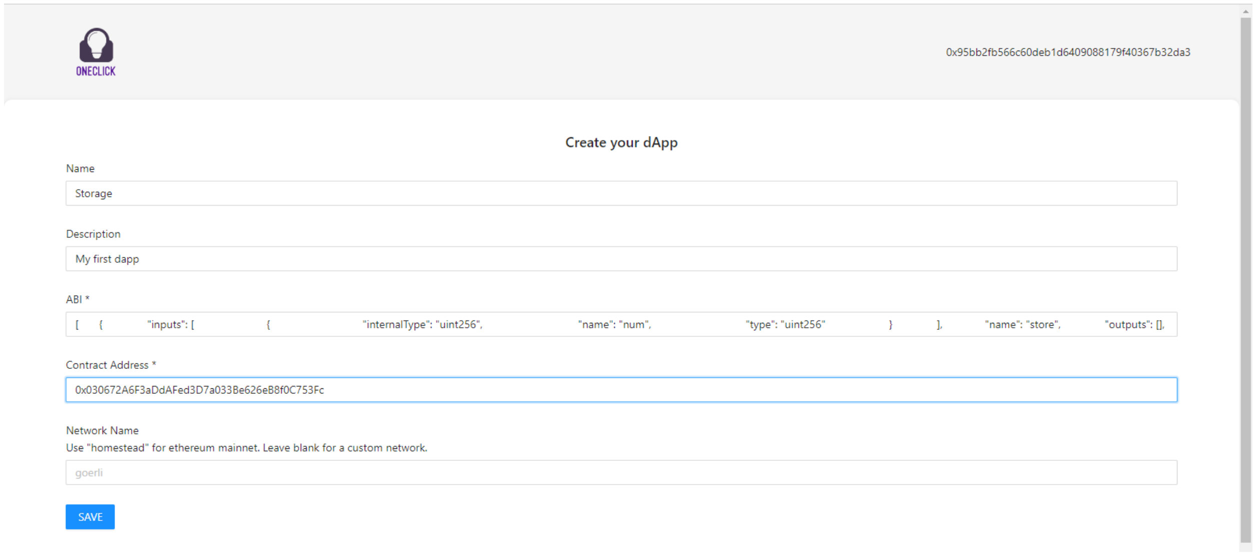
☐ Publish to IPFS

5. Next, test whether your deployed contact works fine



Balance: 0 ETH

6. Assign name and description for your dApp. Paste the ABI code and contract address which we copied earlier and click on ‘Save



0x95bb2fb566c60deb1d6409088179f40367b32da3

Create your dApp

Name
Storage

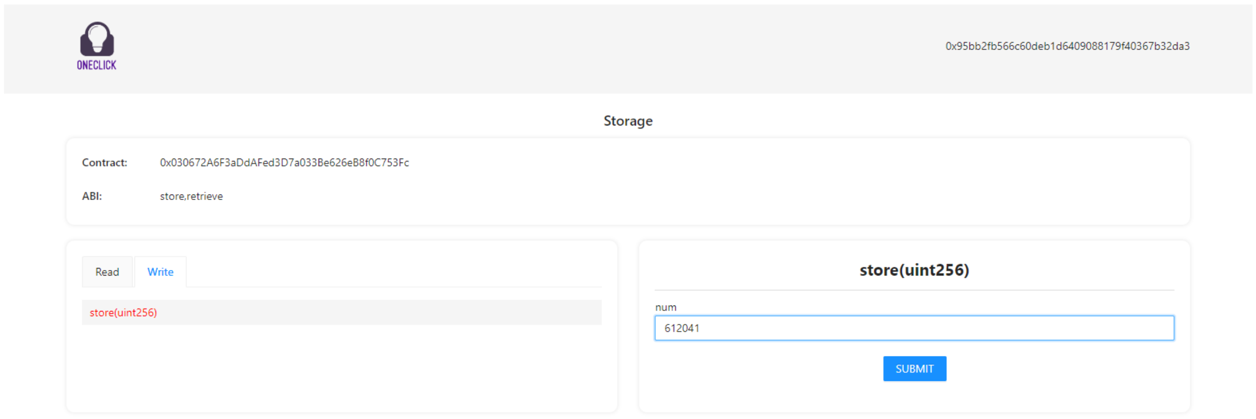
Description
My first dapp

ABI *
[{ "inputs": [{ "internalType": "uint256", "name": "num", "type": "uint256" }], "name": "store", "outputs": [],

Contract Address *
0x030672A6F3aDdAFed3D7a033Be626eB8f0C753Fc

Network Name
Use "homestead" for ethereum mainnet. Leave blank for a custom network.
goerli

7. Your dApp is deployed.



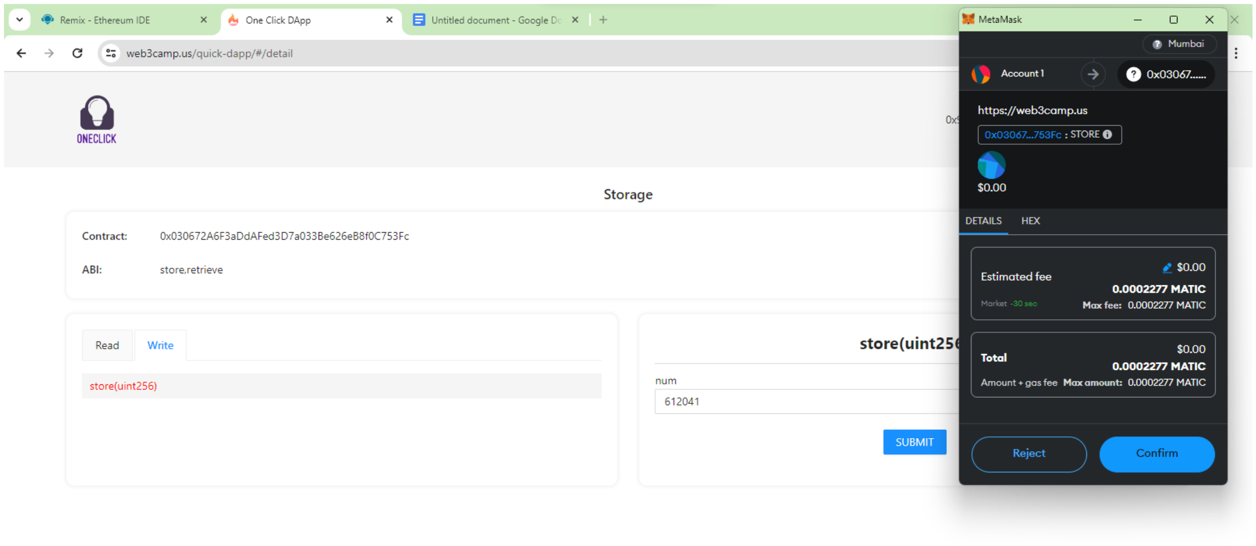
0x95bb2fb566c60deb1d6409088179f40367b32da3

Storage

Contract: 0x030672A6F3aDdAFed3D7a033Be626eB8f0C753Fc
ABI: store,retrieve

store(uint256)
num
612041

8. Now you can test your smart contract via interface. Write down the values and click on 'Submit', then MetaMask will ask you to confirm the transaction



Remix - Ethereum IDE | One Click DApp | Untitled document - Google Do

web3camp.us/quick-dapp/#/detail

Storage

Contract: 0x030672A6F3aDdAFed3D7a033Be626eB8f0C753Fc

ABI: store,retrieve

Read | Write

store(uint256)

num: 612041

SUBMIT

MetaMask — Mumbai — Account 1 — 0x03067......

https://web3camp.us

0x03067...753Fc : STORE

$0.00

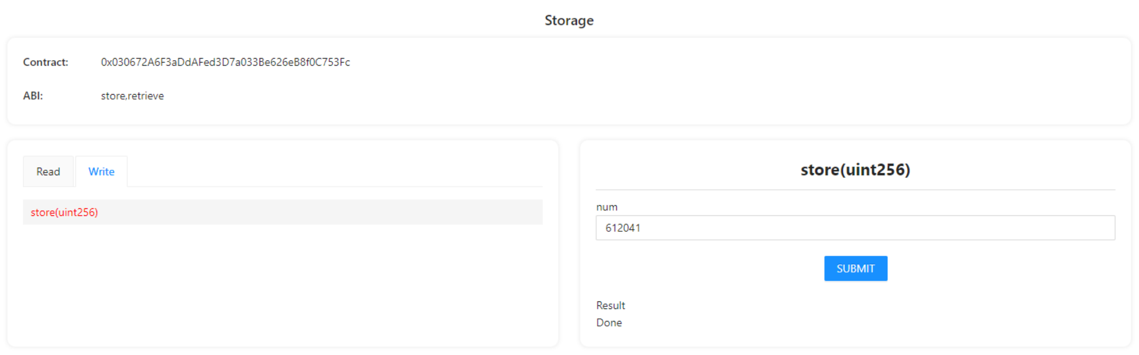
DETAILS | HEX

Estimated fee: $0.00, 0.0002277 MATIC. Market ~30 sec. Max fee: 0.0002277 MATIC

Total: $0.00, 0.0002277 MATIC. Amount + gas fee. Max amount: 0.0002277 MATIC

Reject | Confirm

If the transaction is successful, a message 'Result Done' will be shown below



Storage

Contract: 0x030672A6F3aDdAFed3D7a033Be626eB8f0C753Fc

ABI: store,retrieve

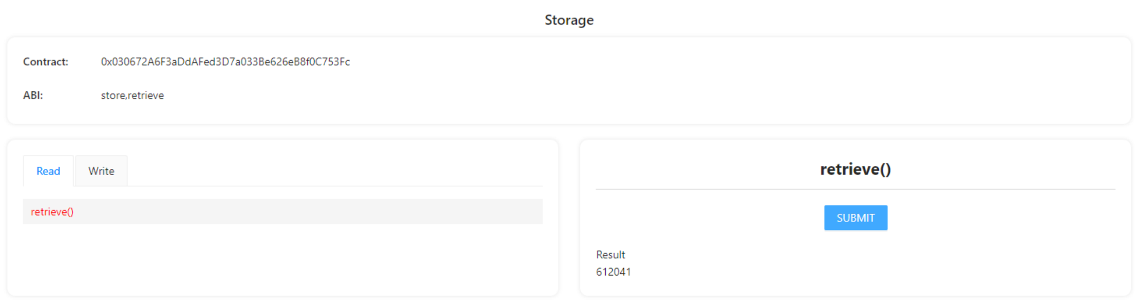
Read | Write

store(uint256)

num: 612041

SUBMIT

Result
Done



Storage

Contract: 0x030672A6F3aDdAFed3D7a033Be626eB8f0C753Fc

ABI: store,retrieve

Read | Write

retrieve()

SUBMIT

Result
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Conclusion: we have successfully deployed Dapp using one click Dapp.