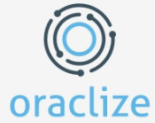
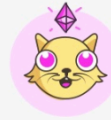


⌘ INFURA

Ethereum APIs and IPFS gateways.

이더리움 연구회 4기 인터페이스분과

주요 고객



Network ETC (GasTracker) ▼

ETH (myetherwallet.com)

ETH (etherscan.io)

ETH (infura.io)

ETH (giveth.io)

ETC (Ethereum Commonwealth Ge

ETC (Ethereum Commonwealth Par

ETC (ETC Cooperative)

ETC (GasTracker)

ETC (epool.io)

Ropsten (myetherwallet.com)

Ropsten (infura.io)

Kovan (etherscan.io)

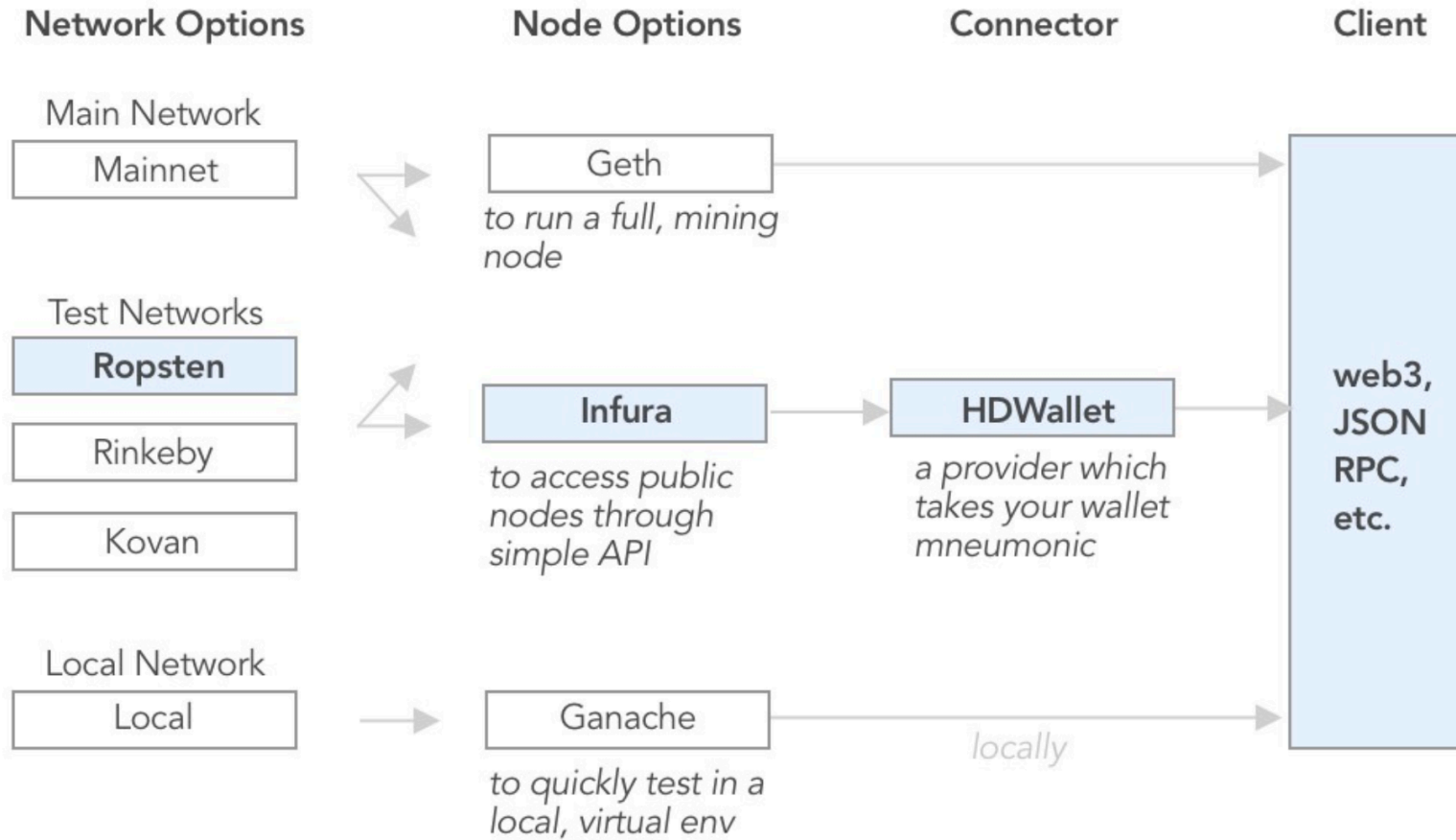
Kovan (infura.io)

Rinkeby (etherscan.io)

Rinkeby (infura.io)

EXP (evance tech)

Ethereum Smart Contract Deployment Options



INFURA = Gateway = Rest API + WebSocket

내 대시보드창

YOUR PROJECTS

CREATE NEW PROJECT



ETHER_WALLET_TEST

 EDIT

API KEY

8117b7f

API SECRET ⓘ

887099b6f98e4f0cacd21ad...



ENDPOINT

MAINNET



mainnet.infura.io/v3/81...



Whitelist Contract Address...

ADD



Whitelist Your Contracts ⓘ

Search and whitelist the specific smart contracts that your application uses.

MAINNET BLOCK STATS

Average based on previous 10 blocks

BLOCK NUMBER

6,432,624

AVG GAS PRICE

18.16_{Gwei}

AVG GAS LIMIT

8.00_{Mgas}

AVG BLOCK FULLNESS


95.9%

INFURA STATUS

Status represents Infura, not the Ethereum network

MAINNET

PREV 60 DAYS




385MS AVG RESPONSE TIME

100.00% UPTIME

RINKEBY


PREV 60 DAYS



MAINNET TRANSACTIONS


PENDING

MINED

 [0xd89f0df1afe3b6c352c2413bbdc40b2f72ed29d45...](#)


TRANSACTION

now

 [0x095f9f6f6a8779b2a099da67b1c368091a6656b3...](#)


TRANSACTION

now

 [0xc127dc8bfcf7e8bc5bb50ba2e5254131f98e3bb43...](#)

TRANSACTION

now

 [0xb727cf08c812a9dd58cd7b10d640143a9b60c489...](#)

TRANSACTION

now

API 문서 (GET)

<https://infura.io/docs>

ETHEREUM API

GET

eth_accounts

eth_blockNumber

eth_gasPrice

eth_getBalance

eth_getBlockByHash

eth_getBlockByNumber

eth_getTransactionReceipt

eth_getBlockTransactionCountByHash

eth_getBlockTransactionCountByNumber

eth_getCode

eth_getLogs

eth_getStorageAt

eth_getTransactionByBlockHashAndIndex

eth_getTransactionByBlockNumberAndIndex

eth_getUncleByBlockNumberAndIndex

eth_getUncleCountByBlockHash

eth_getUncleCountByBlockNumber

eth_getWork

eth_hashrate

eth_mining

eth_protocolVersion

eth_syncing

eth_getTransactionByHash

eth_getTransactionCount

net_listening

net_version

method

methods

symbol

symbols

v1 Blacklist

v2 Blacklist

web3_clientVersion

API 문서 (POST)

<https://infura.io/docs>

POST

eth_call

eth_estimateGas

eth_sendRawTransaction

eth_submitHashrate

eth_submitWork

network

웹소켓 문서

WEBSOCKETS API

Introduction

eth_newBlockFilter

eth_newFilter

eth_newPendingTransactionFilter

eth_getFilterChanges

eth_getFilterLogs

eth_uninstallFilter

eth_subscribe

eth_unsubscribe

parity_subscribe

parity_unsubscribe

FAQ / FYI

Websocket API Example

```
const Web3 = require("web3");

let web3 = new Web3(
  new Web3.providers.WebsocketProvider("wss://mainnet.infura.io/ws")
);

const instance = new web3.eth.Contract(<abi>, <address>);

instance.getPastEvents(
  "SomeEvent",
  { fromBlock: 0, toBlock: "latest" },
  (errors, events) => {
    if (!errors) {
      // process events
    }
  }
);
```


Truffle + Infura (ropsten)

1. npm install --save truffle-hdwallet-provider
2. truffle.js 파일 수정

```
JS truffle.js • HelloWorld.sol JS 2_hello_migration.js
14
15 var HDWalletProvider = require("truffle-hdwallet-provider");
16 const MNEMONIC = 'proof bracket decade blouse tro[REDACTED];
17
18 module.exports = {
19   networks: {
20     development: {
21       host: "127.0.0.1",
22       port: 7545,
23       network_id: "*"
24     },
25     ropsten: {
26       provider: function() {
27         return new HDWalletProvider(MNEMONIC, "https://ropsten.infura.io/v3/8117b7f9[REDACTED]
28       },
29       network_id: 3,
30       gas: 4000000
31     }
32   }
33 };
```

Truffle + Infura (ropsten)

3. contract.sol과 migration.js 작성

4. truffle deploy --network ropsten



ROPSTEN (Revival) TESTNET

Search by Address / Txhash / Block / Token / Ens

GO

Language

HOME

BLOCKCHAIN ▾

TOKEN ▾

MISC ▾

 Contract  0x034a8DF8b37e4997eEf97A72cbCdE0c6327Eb725 

Home / Accounts / Address

Contract Overview



Balance: 0 Ether

Transactions: 1 txn

Misc:

More Options ▾

Contract Creator: [0xdd0b157a0acad6...](#) at txn [0x21fc04718e376ec...](#)


Transactions

Code

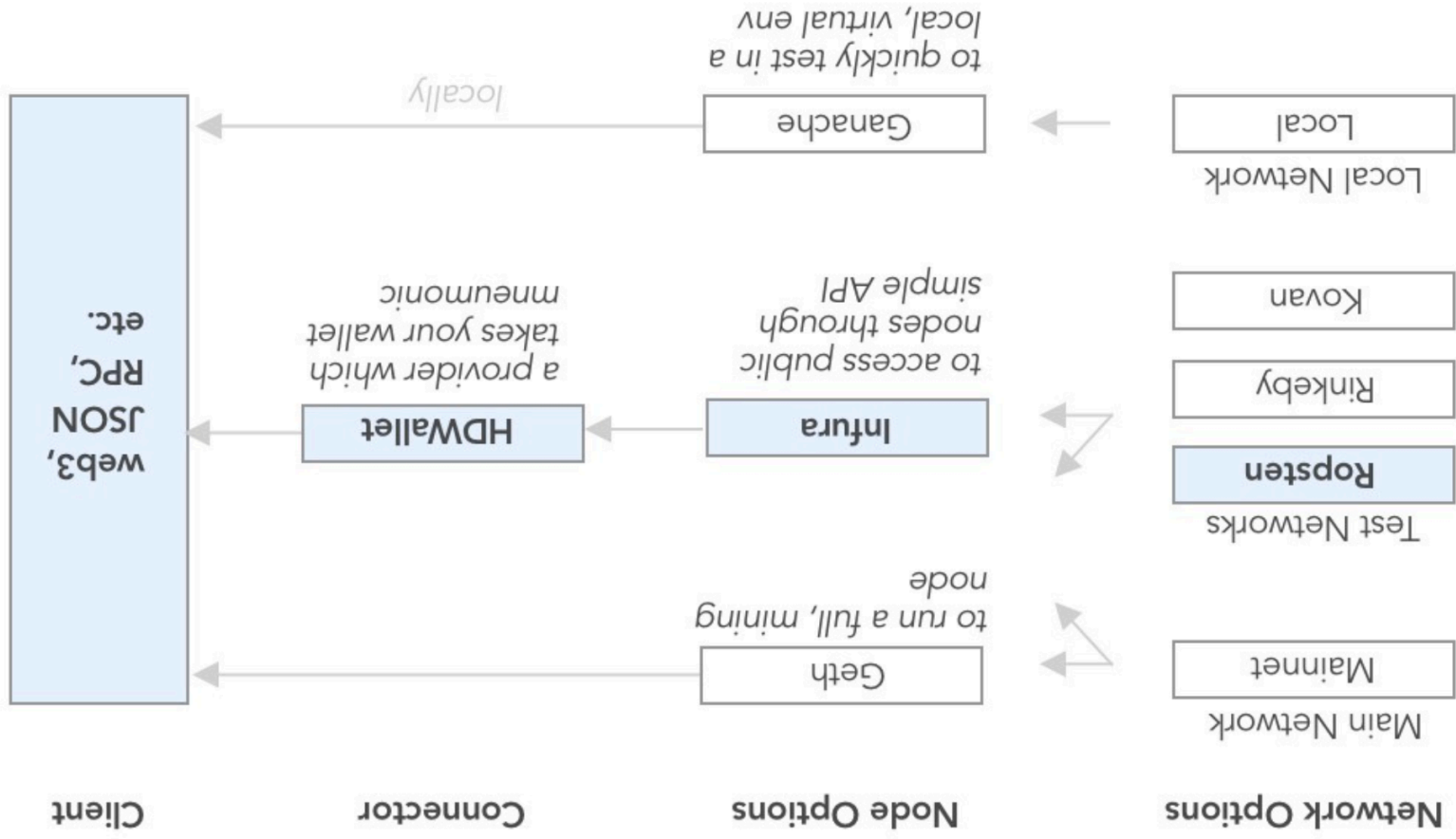
Events

Latest 1 txn



TxHash	Block	Age	From		To	Value	[TxFee]
0x21fc04718e376ec...	4149765	1 hr 29 mins ago	0xdd0b157a0acad6...	IN	 Contract Creation	0 Ether	0.0136235

Ethereum Smart Contract Deployment Options



The diagram consists of four vertical rectangular blocks arranged horizontally. The first block is blue and contains the text 'web3'. The second block is light orange and contains the text 'HDWallet'; it is visually represented as a container with a thin dark border and a slightly lighter orange inner rectangle. The third block is orange and contains the text 'INFURA'. The fourth block is black and contains the text 'MAINNET'.

web3

HDWallet

INFURA

MAINNET

<https://github.com/trufflesuite/truffle-hdwallet-provider/blob/master/index.js>