



mix.ethereum.org



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scripts
tests
primitives.json
README.txt

Studio - Remix Desktop

Search Documentation



Files

New File

Open File

Access File System

Load from

GitHub

Gist

IPFS

HTTPS

Learn

Remix Basics

An introduction to Remix's interface and basic operations.

Get Started

Intro to Solidity

Deploying with Libraries



Improve your experience with one-minute tutorials

Go to survey

Get Started - Project Templates

GNOSIS SAFE MULTISIG

Create Multi-Signature wallets using this template.

0XPRO

Create Imports

Featured Plugins



SOLIDITY ANALYZERS

Analyze your code using Remix, Solhint and Slither.

Find smart contract libraries

Scam Alert



The only URL Remix uses is remix.ethereum.org

Beware of online videos promoting "liquidity front runner bots". Additional safety tips: [here](#)

Listen on all transactions



Search with transaction hash or address

Welcome to Remix 0.36.3

Your files are stored in indexedDB, 25.86 KB / 31.06 GB used

You can use this terminal to:

• Check transactions details and start debugging;

• Execute JavaScript scripts:

- Input a script directly in the command line interface
- Select a JavaScript file in the file explorer and then run 'remix.execute()' or 'remix.executeCurrent()' in the command line interface
- Right click on a JavaScript file in the file explorer and then click "Run"

The following libraries are accessible:

- web3.version 1.5.2
- ethers.js
- remix

Type the library name to see available commands.



SOLIDITY COMPILER

0.6.12+commit.27d91765

Solidity compiler profile

Hide warnings

Advanced Configurations

Compile Zone name.sol

Compile and Run script

CONTRACT

Zone_name (Zone name.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

```
1 // My First Smart Contract
2 // SPDX-License-Identifier: UNLICENSED
3 pragma solidity ^0.5.0 0.7.0;
4 contract Zone_name {
5     function get() public pure returns (string memory)
6     {
7         return "Zone name";
8     }
9 }
```

Welcome to Remix 0.35.1

Your files are stored in IndexedDB, 22.65 KB / 31.38 MB used

You can use this terminal to:

- Check transactions details and start debugging.
- Execute JavaScript scripts:
 - Inject a script directly in the command line interface
 - Select a JavaScript file in the file explorer and then run `runJs.execute()` or `runJs.asynchronous()` in the command line interface
 - Right click on a JavaScript file in the file explorer and then click `Run`

Untitled - Notepad

File Edit Format View Help

```
{
  "inputs": [],
  "name": "get",
  "outputs": [
    {
      "internalType": "string",
      "name": "",
      "type": "string"
    }
  ],
  "stateMutability": "pure",
  "type": "function"
}
```

BYTE CODE:

```
608060405234801561001057600080fd5b5061011e8  
6100206000396000f3fe6080604052348015600f576  
00080fd5b506004361060285760003560e01c80636d4  
ce63c14602d575b600080fd5b603360ab565b604051  
80806020018281038252838181518152602001915080  
51906020019080838360005b838110156071578082015  
1818401526020810190506058565b50505050905090810  
190601f168015609d5780820380516001836020036101000a  
031916815260200191505b509250505060405180910390f3  
5b60606040518060400160405280600981526020017f5a6f  
6e65206e616d6500000000000000000000000000000000  
000000000081525090509056fea264697066735822122002399  
4c873bca2a3e57e0cc211be2cb6b106fd42fc b538cd cdd26692e7  
3a50f564736f6c634300060c0033
```



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2



0x5B3...eddC4 (99.9999999%)



7

8



GAS LIMIT

3000000

VALUE

0

Wei

CONTRACT

Zone_name - Zone name.sol

evm version: istanbul

Deploy

Deploy - transact (not payable)

☐ Publish to IPFS

At Address

Load contract from Address

Transactions recorded 2 ⓘ



Deployed Contracts



▶ ZONE_NAME AT 0XD91...39138 (M)

▶ ZONE_NAME AT 0XD8B...33FA8 (M)



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2



DEPLOY & RUN TRANSACTIONS ✓ >

ENVIRONMENT

Remix VM (Shanghai)

VM

Solidity compiler

0x5B3...eddC4 (99.9999999%)

GAS LIMIT

3000000

VALUE

0 Wei

CONTRACT

Zone_name - Zone_name.sol

evm version: Istanbul

Deploy

☐ Publish to IPFS

At Address Load contract from Address

Transactions recorded 2 1 >

Deployed Contracts

ZONE_NAME AT 0XD91...39138 (M)

Balance: 0 ETH

get

Low level interactions

CALLDATA

Transact

ZONE_NAME AT 0XD8B...33FAB (M)

Zone_name.sol

```
1 // My First Smart Contract
2 // SPDX-License-Identifier: UNLICENSED
3 pragma solidity ^0.5.0 ^0.7.0;
4 contract Zone_name {
5     function get() public pure returns (string) {
6         return 'Zone name';
7     }
8 }
```



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2



0x5B3...eddC4 (99.99999999%)

GAS LIMIT:

3000000

VALUE

0

Wei

CONTRACT

Zone_name - Zone name.sol

evm version: istanbul

Deploy

☐ Publish to IPFS

At Address

Load contract from Address

Transactions recorded 2 1

Deployed Contracts

▼ ZONE_NAME AT 0xD91...39138 (M)

Balance: 0 ETH

get

get - call

0: string: Zone name

Low level interactions

CALLDATA

Transact

▶ ZONE_NAME AT 0xD8B...33FAB (M)

listen on all transactions

remix

Type the library name to see available commands.



0 ☐ listen on all transactions

click 'Run'

The following libraries are accessible:

- [web3 version 1.5.2](#)
- [ethers.js](#)
- remix

Type the library name to see available commands.
creation of Zone_name pending...

✓ [vm] from: 0x5B3...eddC4 to: Zone_name.(constructor)
value: 0 wei data: 0x608...c0033 logs: 0
hash: 0x800...afe48

Debug ▾

creation of Zone_name pending...

✓ [vm] from: 0x5B3...eddC4 to: Zone_name.(constructor)
value: 0 wei data: 0x608...c0033 logs: 0
hash: 0x824...fae78

Debug ▾

>