

Remix - Ethereum IDE

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

FILE EXPLORER

WORKSPACES

default_workspace

contracts

scripts

tests

prettierrc.json

README.txt

REMIX

The Native IDE for Web3 Development.

Website Documentation Remix Plugin Remix Desktop

Search Documentation

Files

New File Open File Access File System

Load from

GitHub Gist IPFS HTTPS

Learn

Remix Basics

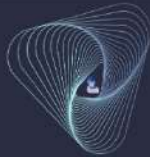
An introduction to Remix's interface and basic operations.

Get Started

Intro to Solidity

Deploying with Libraries

Featured



WE NEED YOUR HELP

Remixers... Have a spare moment? Please help us improve your Remix experience with this one-minute survey.

Go to survey

Get Started - Project Templates

GNOSIS SAFE MULTISIG

Create Multi-Signature wallets using this template.

0XPROJECT ERC20

Create an ERC20 token by importing 0xProject contract.

OPENZEPPELIN ERC20

Create an ERC20 token by importing OpenZeppelin library.

OPENZEPPELIN ERC20

Create a token by importing OpenZeppelin library.

Featured Plugins

SOLIDITY ANALYZERS

Analyze your code using Remix, Solhint and Slither.

COOKBOOK

Find smart contracts, solidity libraries, and discover protocols.

SOLIDITY

Compile, test, and analyze smart contracts.

Solidity verifiers

Verify your smart contracts.

0

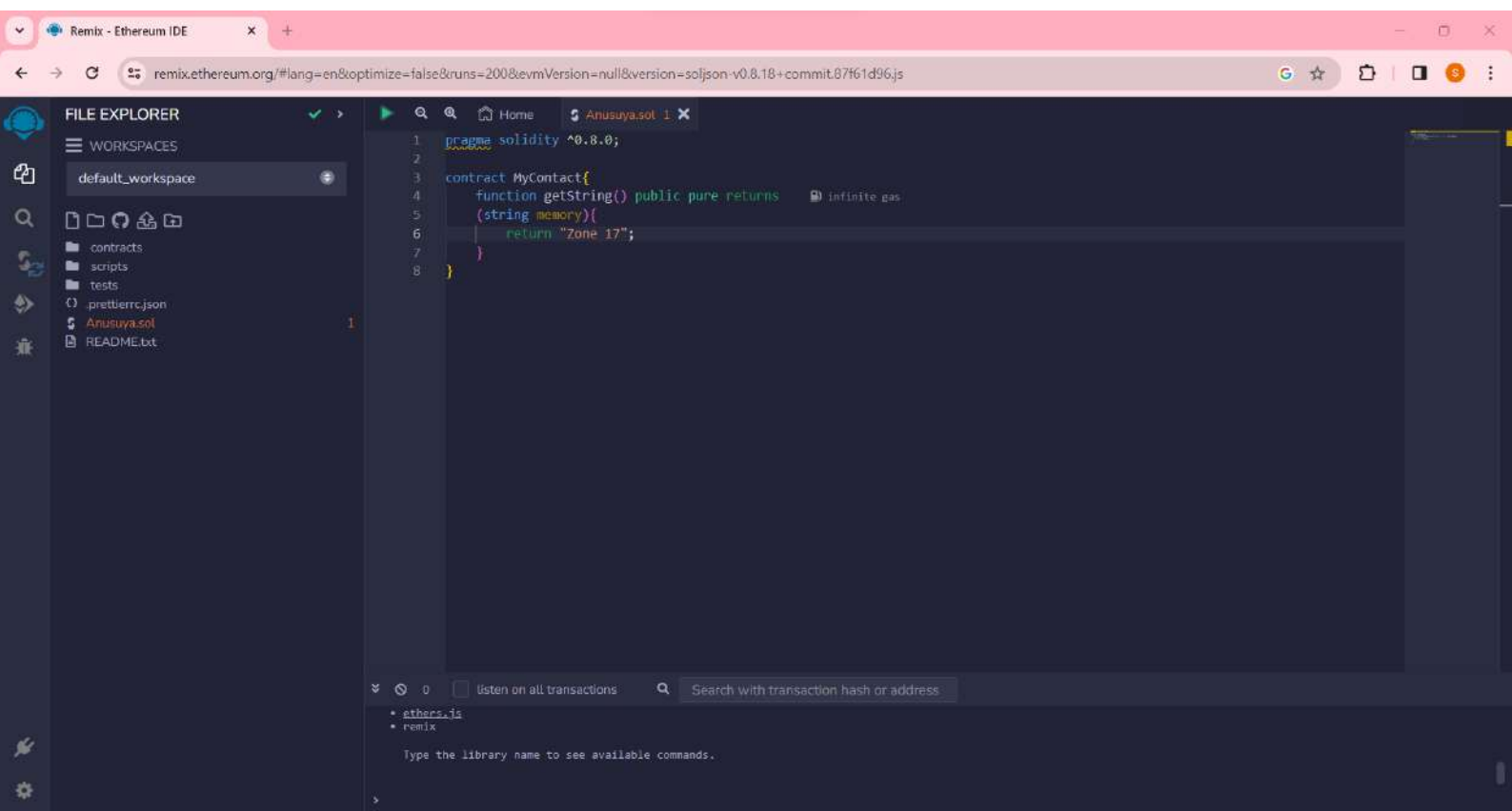
☐ listen on all transactions

Search with transaction hash or address

• ethers.js

• remix

Type the library name to see available commands.



Remix - Ethereum IDE

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SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

Include nightly builds

Auto compile

Hide warnings

Advanced Configurations

Compile Anusuya.sol

Compile and Run script

1

2

3

4

5

6

7

8

pragma solidity ^0.8.0;

contract MyContact{

function getString() public pure returns (string memory){

return "Zone 17";

}

0

listen on all transactions

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SOLIDITY COMPILER

COMPILER +

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Advanced Configurations

Compile Anusuya.sol

Compile and Run script

CONTRACT

MyContact (Anusuya.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

Warning: SPDX license identifier not provided in source file. Before publishing, consider adding a comment containing "SPDX-License-Identifier: <SPDX-License>" to each source file. Use

Anusuya.sol 1

1 `pragma solidity ^0.8.0;`

2

3 `contract MyContact{`

4 `function getString() public pure returns` infinite gas

5 `(string memory){`

6 `return "Zone 17";`

7 `}`

8 `}`

0

listen on all transactions

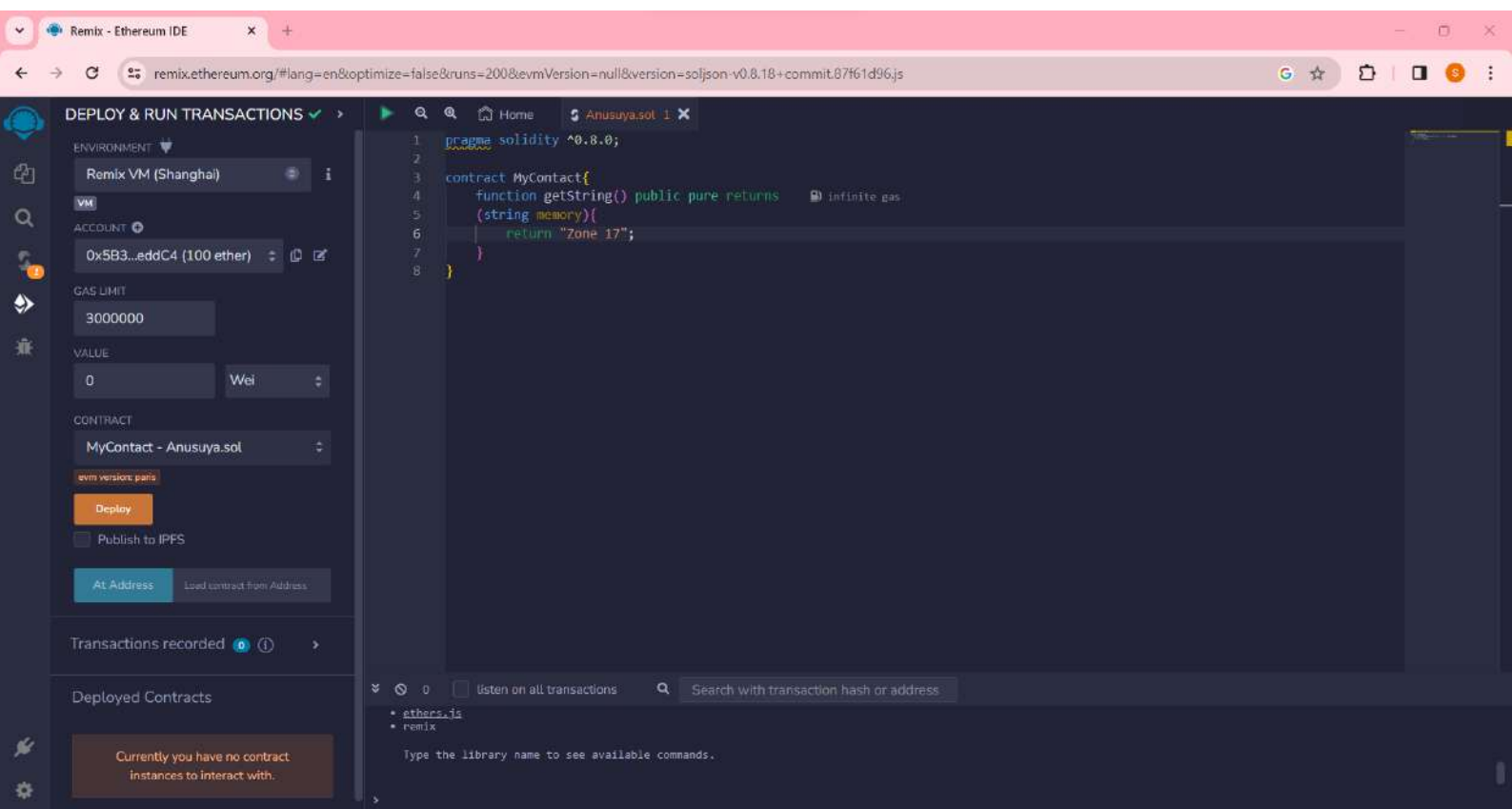
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DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Remix VM (Shanghai)

ACCOUNT

0x5B3...eddC4 (99.9999999%)

GAS LIMIT

3000000

VALUE

0 Wei

CONTRACT

MyContact - Anusuya.sol

evm version: paris

Deploy

Publish to IPFS

At Address

Load contract from Address

Transactions recorded

Deployed Contracts

MYCONTACT AT 0xD91...39138 (MI)

Anusuya.sol 1

```
1 pragma solidity ^0.8.0;
2
3 contract MyContact{
4     function getString() public pure returns
5     (string memory){
6         return "Zone 17";
7     }
8 }
```

0

listen on all transactions

Search with transaction hash or address

✓ [vm] from: 0x5B3...eddC4 to: MyContact.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0xea8...db24b

Debug

Remix - Ethereum IDE

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

DEBUGGER

☐ Use generated sources(Solidity >= v0.7.2)

0xea88ce597b107a9a6c79e0778ca7ff16ebb4c1149d5512409b002abfee5db24b

Stop debugging

Function Stack: No data available

Solidity State: No data available

Solidity Locals: No data available

Step details

vm trace step: 10
execution step: 10
add memory:
gas: 3
remaining gas: 94215
loaded address: (Contract Creation - Step 0)

Call Stack: 0: (Contract Creation - Step 0)

Full Storage Changes: (Contract Creation - Step 0): Object

Stack: No data available

Call Data: No data available

```
3 contract MyContract{
4   function getString() public pure returns
5   (string memory){
6     return "Zone 17";
7   }
8 }
```

0 [vm] from: 0x5B3...eddC4 to: MyContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0
hash: 0xea8...db24b

Debug