

# Remix

Remix : Another platform for Dapps - Development and Deployment.

The Next platform explored :

<https://remix.ethereum.org>

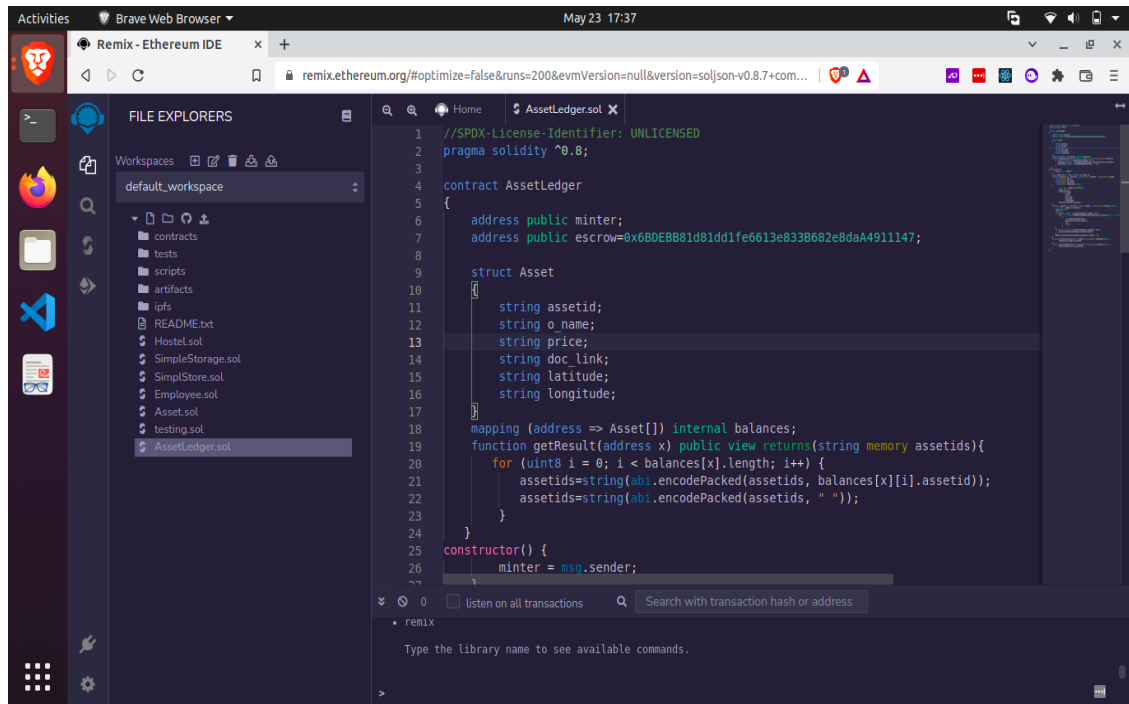
- REMIX IDE - New platform
- Builtin Solidity Development
- Version Compatible
- Wrote a script to mint tokens
- Generated tokens
- Performed P2P transactions

Remix v/s bunzz comparison

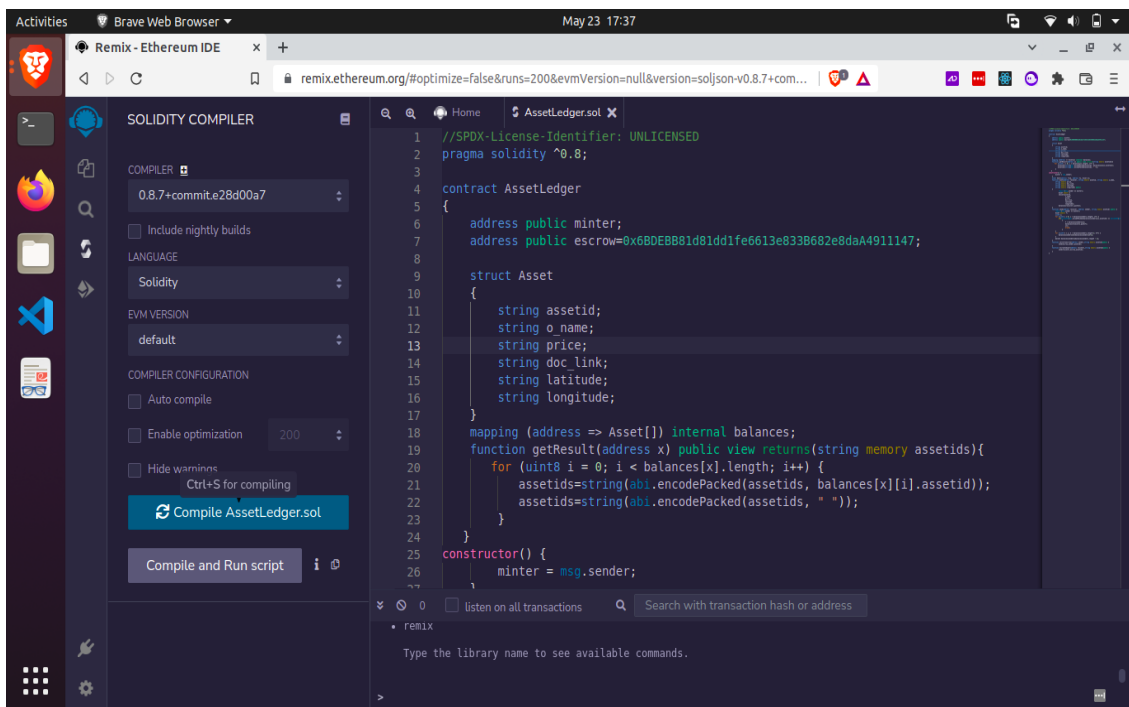
Parameter	Remix IDE	Bunzz
Language	Solidity	GUI
Smart Contracts	Custom smart contracts depending on use cases	Pre-defined smart contracts Customization is not available.
Coding	Requirement of solidity to code	Not required for creating the smart contracts.

Creation and Deployment of a Smart Contract using Remix

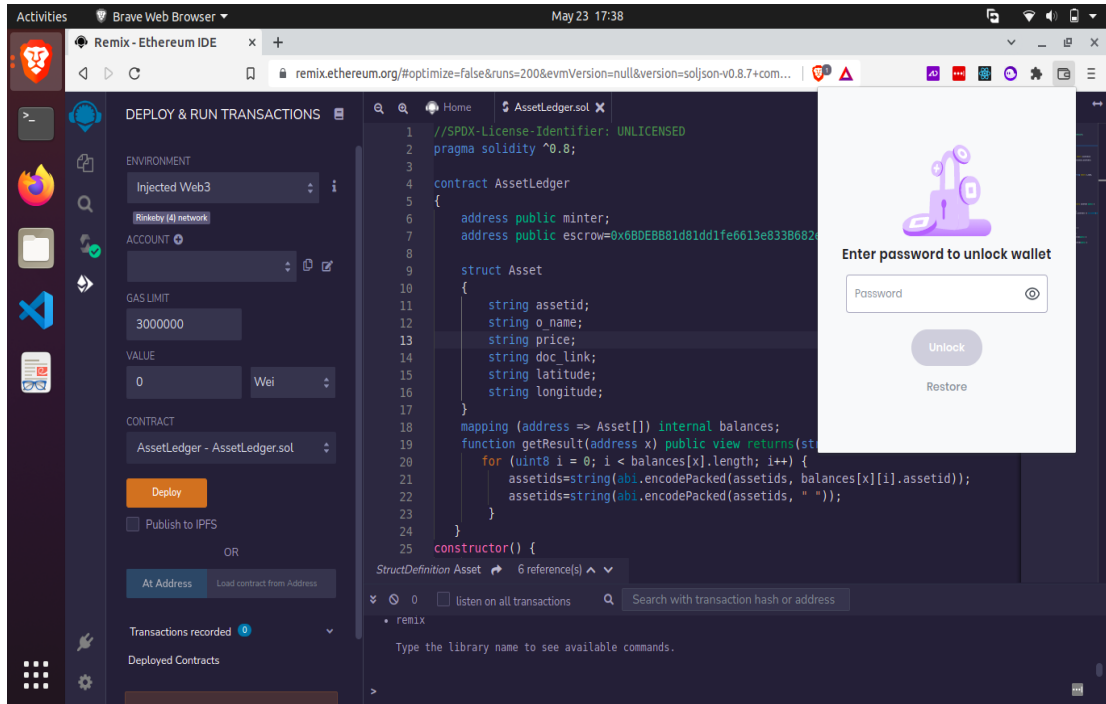
- Below are the steps to deploy a smart contract on Remix onto the blockchain. For testing purposes, the below example shows deployment to the Rinkeby Ethereum Testnet.
  - Step 1: Write the smart contract and save it as a .sol file.



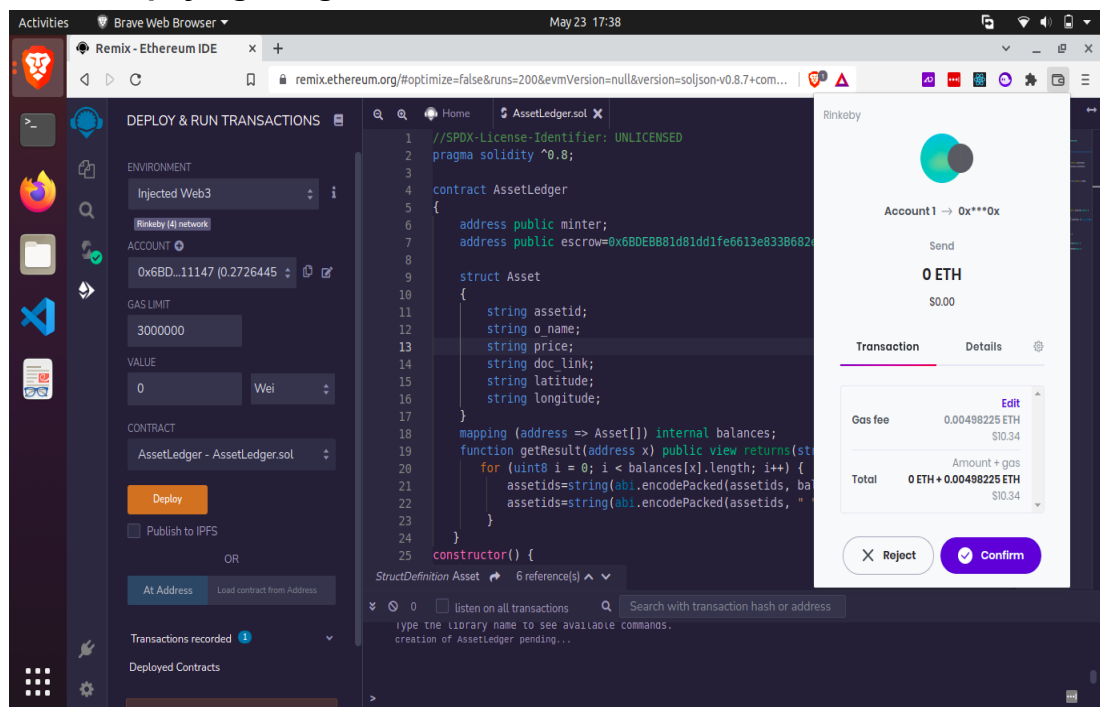
- **Step 2: Compile the smart contract.**



- **Step 3: Goto Deploy menu, Select Environment as Injected Web3 and accept the wallet connect request in your web3 wallet.**



- **Step 4: Click Deploy. And confirm with the web3 wallet by paying the gas fees.**



- **Step 5: The transaction will be processed and the smart contract will be deployed. Example smart contract deployed - [Smart Contract Link](#)**

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Remix - Ethereum IDE x +

remix.ethereum.org/#optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.7+com...

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT  
Injected Web3

Rinkeby (4) network

ACCOUNT  
0x6BD...11147 (0.2683673)

GAS LIMIT  
3000000

VALUE  
0 Wei

CONTRACT  
AssetLedger - AssetLedger.sol

Deploy

Publish to IPFS

OR

At Address Load contract from Address

Transactions recorded 1

Deployed Contracts

ASSETLEDGER AT 0x405...98171 (BLU)

AssetLedger.sol

```
1 //SPDX-License-Identifier: UNLICENSED
2 pragma solidity ^0.8;
3
4 contract AssetLedger
5 {
6     address public minter;
7     address public escrow=0x68DEB881d81dd1fe6613e833B682...
8
9     struct Asset
10     {
11         string assetid;
12         string o_name;
13         string price;
14         string doc_link;
15         string latitude;
16         string longitude;
17     }
18     mapping (address => Asset[]) internal balances;
19     function getResult(address x) public view returns(st
20     for (uint8 i = 0; i < balances[x].length; i++) {
21         assetids=string(abi.encodePacked(assetids, balances[x][i].assetid));
22         assetids=string(abi.encodePacked(assetids, " "));
23     }
24 }
25 constructor() {
```

Transaction details

Account 1 → 0x\*\*\*0x

Sent  
0 ETH  
\$0.00

Status  
Confirmed

Transaction fee  
0.00498225 ETH  
\$0.34

Date  
Mon, 23 May 2022 12:08:27 GMT

Transaction hash  
0x58e8\*\*\*693a

Network  
Rinkeby Test Network

[block:10726089 txIndex:6] from: 0x68D...11147 to: AssetLedger.(constructor) value: 0 wei  
data: 0x608...70833 logs: 0 hash: 0x85b...ca4ac

Debug

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Remix - Ethereum IDE Rinkeby Transaction Hash (Tx) Contract Address 0x4058c0dbf837cbf22d926f34492a677653898171

rinkeby.etherscan.io/address/0x4058c0dbf837cbf22d926f34492a677653898171

Etherscan

Rinkeby Testnet Network

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

Contract 0x4058C0DBf837cBf22d926F34492A677653898171

Contract Overview

Balance: 0 Ether

More Info

My Name Tag: Not Available

Creator: 0x6bdebb81d81dd1fe66... at txn 0x58e8096c11748f229b...

Transactions Contract Events

Latest 1 from a total of 1 transactions

Txn Hash	Method	Block	Age	From	To	Value	Txn Fee
0x58e8096c11748f229b...	0x60806040	10726089	4 mins ago	0x6bdebb81d81dd1fe66...	IN Contract Creation	0 Ether	0.004277159052

[Download CSV Export]

A contract address hosts a smart contract, which is a set of code stored on the blockchain that runs when predetermined conditions are met. Learn more about addresses in our Knowledge Base.