ZiLab | ICO Crypto Token Selling System Documentation

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Quick Start

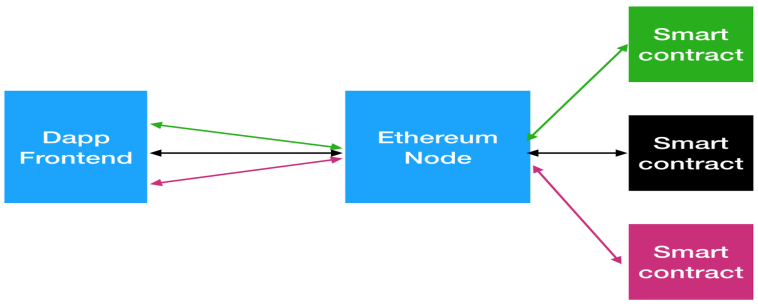
ZiLab ICO Script can be used to sell your digital currency online.
In this script you can:

1. Add your own willing price per token;
2. Update the token price;
3. You can add any allowed purchase token from this list: https://bscscan.com/tokens
4. You can remove allowed purchase tokens;
5. You can set ICO stage start time;
6. You can set ICO stage end time;
7. You can set Locking period after presale is over to prevent price impacts;
8. You can set second locking period after presale is over;
9. You can withdraw the raised money from the PreSale contract to your own wallet;
10. You can Buy Your own tokens using Angular application which is also provided.

Directories:

Inside the **/ZiLabToken/Contracts** directory there are based all the Contracts which needs to be deployed on the Blockchain. Scroll down to see how to setup them.

Inside the **/ZiLabToken/files** directory there are based all the Angular Project files. You will need to setup this project on the hosting / or locally, and connect it with your deployed contracts. Because Angular Web3 will be communicating with Blockchain to store there the data.



How to setup contracts on test net

Open - https://remix.ethereum.org/
When you open the Contracts directory you will see two files:

a. Presale.sol
b. Token.sol

Both files need to be uploaded to your workplace on remix.ethereum.org

!Please note that Token.sol you need to change these values to your Token!

Information:

```
constructor() public {
   _name = '{YOUR_TOKEN_NAME}';
   _symbol ={TOKEN_SYMBOL};
   _decimals = 18;
   _totalSupply = 100000000000000000000000000000;
   _balances[msg.sender] = _totalSupply;

   emit Transfer(address(0), msg.sender, _totalSupply);
 }
```

More detailed instructions you can find here:
https://hackernoon.com/create-a-bep-20-token-on-bsc-with-remix-a-step-by-step-guide

IF you did all exactly as needed you should see something similar to:
https://testnet.bscscan.com/address/0x39dbbca54891350c3fa7e1ec74c6515a19b01fd5#transactions

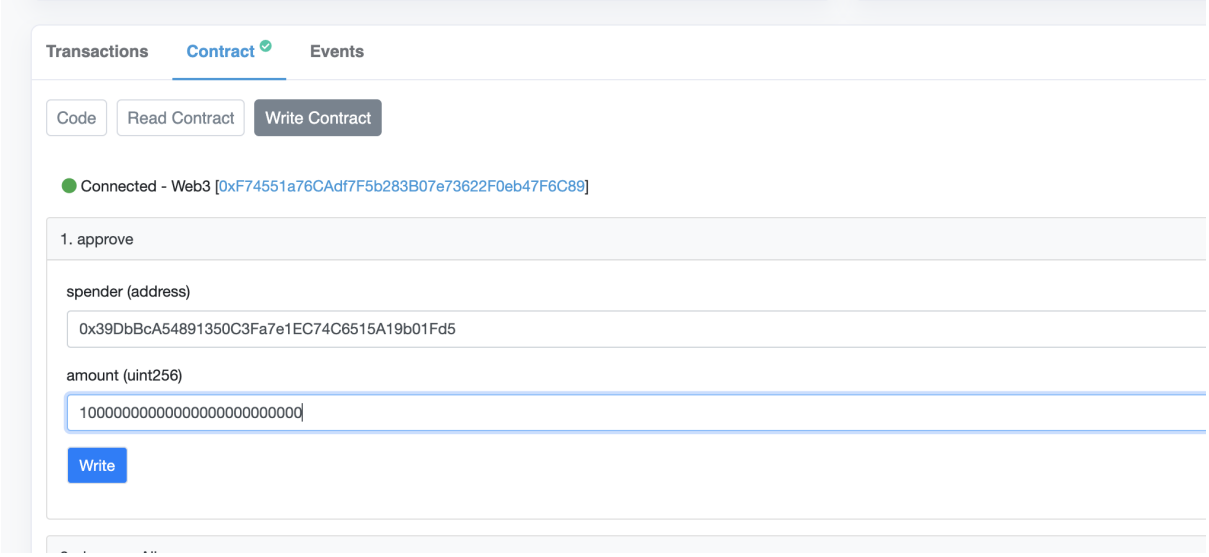
How to Configure Presale contract:

1. Connect to a Web3.

On your BEP-20 Token contract write TAB:

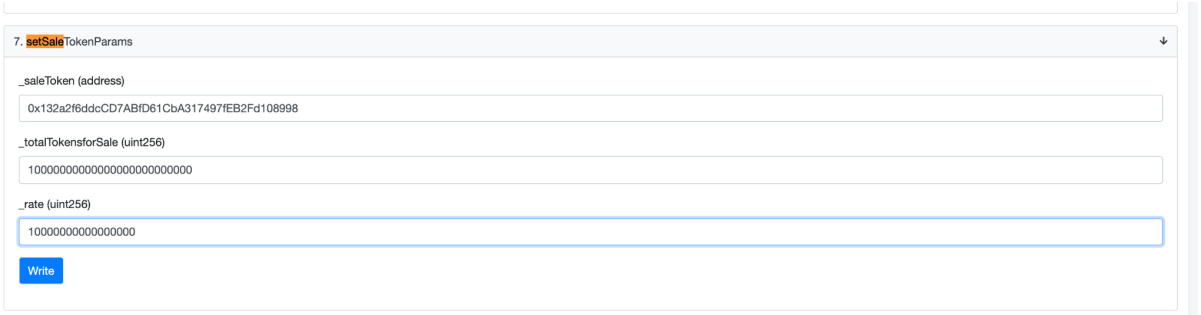
approve method should have 2 parameters:

- Spender
- amount - how many tokens are available for ICO presale. (amount should have 18 decimals (0)). In this case, we will add 10 MIL

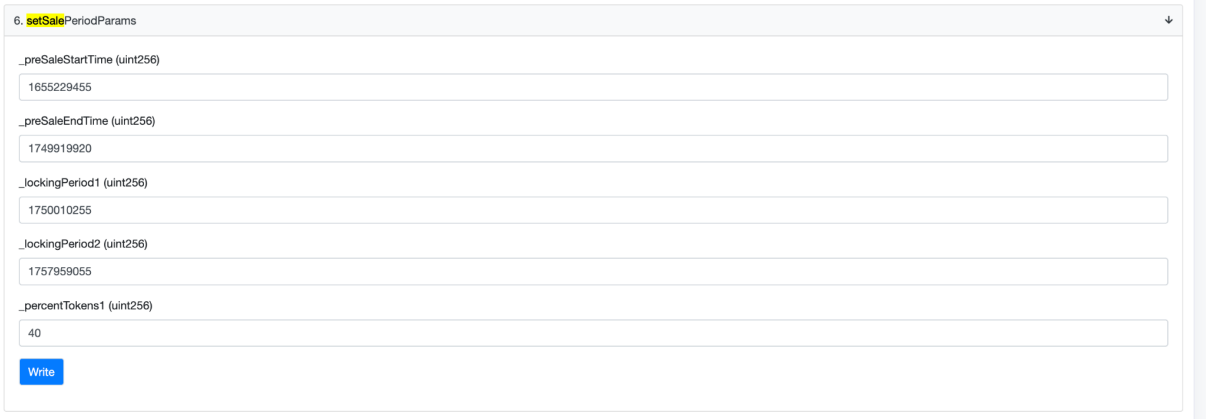


2. On PreSale Contract

SaleToken address - Your Token address
TotalTokensForSale = 10MIL with 18 zeros (decimals)
rate = 1*10^16 (price for single token) You need to add it as you want.



3. Set Sale period
Use this resource to get epoch: https://www.epochconverter.com/



To know more about the contract methods read Presale Contract Documentation.pdf

How to set up ICO Selling website

1. Open the “files” directory.
2. Run the command: npm install
3. Open: files/src/environments/environment.ts and edit there the information related to your own contracts.

-> `presaleAddress - Presale Contract Address`
`aAddress - BNB Token address`
`bAddress - any other token on BNB Chain`
`bscNetworkId - bsc network id testnet - 97`

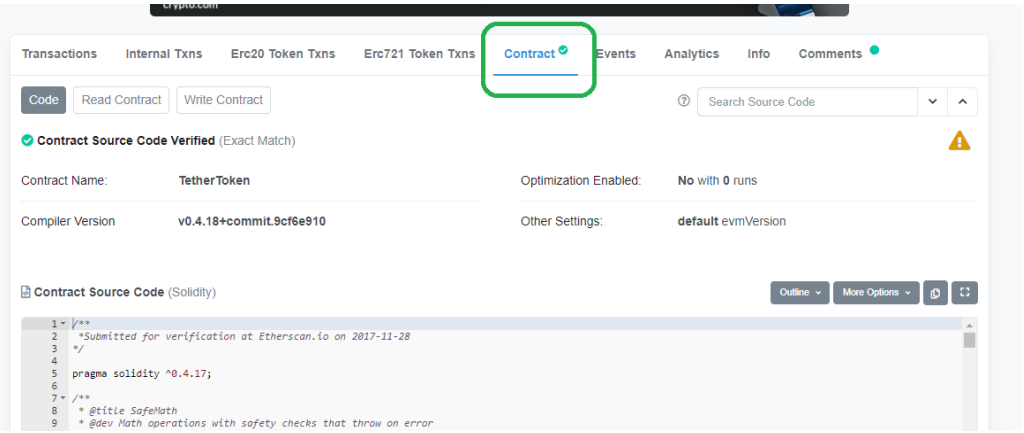
4. Add ABI files to your website in files/src/app/components/contracts/abi

What is an ABI?

Like its Web2 cousin, the API, ABI acts as a function selector, defining the specific methods that can be called to a smart contract for execution. These specific methods and their connected data types are listed in a generated JSON RPC file.

The quickest way to get a contracts ABI is via BSC/Ether Scan.

1. *Visit Ether Scan*
2. *Input the smart contract address into the search bar at the top of the screen*
3. *Scroll down about halfway and select the "Contract" tab*



4. Scroll down a little further and you will see the contracts ABI.
5. There is a handy copy ABI to clipboard function which makes it very easy to copy this text into your code

Once you copy those ABI you need to paste them into the WEB directory -

files/src/app/components/contracts/abi/presale.json => Pre Sale Contract ABI
files/src/app/components/contracts/abi/erc20.json => Your ETH/BNB Token Contract ABI

5. Deploy your application https://angular.io/guide/deployment

Here are the commands to deploy/run the FE application locally or on a hosting:

To run the project locally you will need to run the following commands in the terminal:

1. npm install -g @angular/cli@next
2. npm update
3. npm install
4. ng serve
5. Visit localhost:4200

Remember!!!

Before setting the application to production (upload on the server) you need to compile the assets. You can do this by following commands:

1. npm install -g @angular/cli@next
2. npm install
3. ng build

4. Now you will see that in /files/ directory there will be a DIST directory now. You need to make a ZIP from this directory and simply upload it to your hosting. Extract the files and then you can visit your domain.com/{folderName} and you will see the working website. Feel free to move the files from {folderName} to the root dir, to see the website under yourDomain.com!

ZiLab Technologies

If you need any help with the setup or have any questions related to this project, please feel free to contact us:

- https://codecanyon.net/user/zilab
- https://t.me/zilab_technologies
- https://zilab.co

Good luck!