**ERC20 token with block addresss**

In the following project,ERC20 has some special features like you can block some address which you don’t want to transfer token on that blocked addresses and one more feature is also added like remove those blocked address you want to transfer token on that address.

**ERC20\_ST Deployed contract address**: 0x267b1a1F9f6a15837D396Cf5d4943Ed61b7060a8

**Test net** : Rinkeby

**Wallet** : Mata mask

**Click on Deploy button and confirm transaction**

Text

Description automatically generated

After click on confirm button, Transaction Hash is created

**0xf134fb44c10edb68f3631e1b3c416040c3e8c6d881a2e01c5edc88432aa3d9f7**

Graphical user interface, text, application, email

Description automatically generated

**1)Transfer Method**

**Parameter**

**Address \_to** = 0x5CbF3c13C734934bb30fb09bCC80Fabc14481f32

**int value=** 10000

After filling the parameter, click on transact button of Transfer for transferring the token from one account to other account.

A screenshot of a computer

Description automatically generated with medium confidence

After click on confirm button, Transaction Hash is created

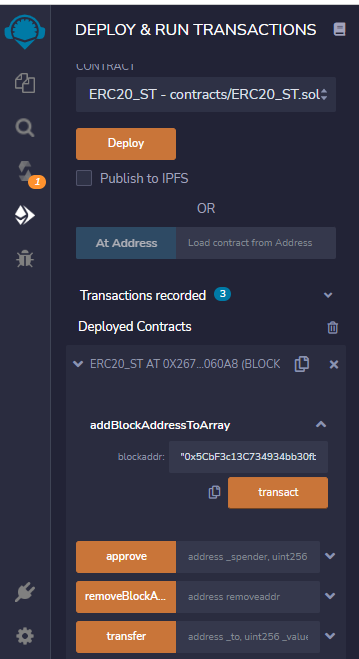
0x05cb8e842783f69319dca6e3581f243d264ad39ce0c04c6ba09cec15028fc7bf

Graphical user interface, text, application, email

Description automatically generated

**2)AddBlockAddress Method**

Add the address **(0x5CbF3c13C734934bb30fb09bCC80Fabc14481f32)** you want to block this and click on transact button of addblockaddressToArray.



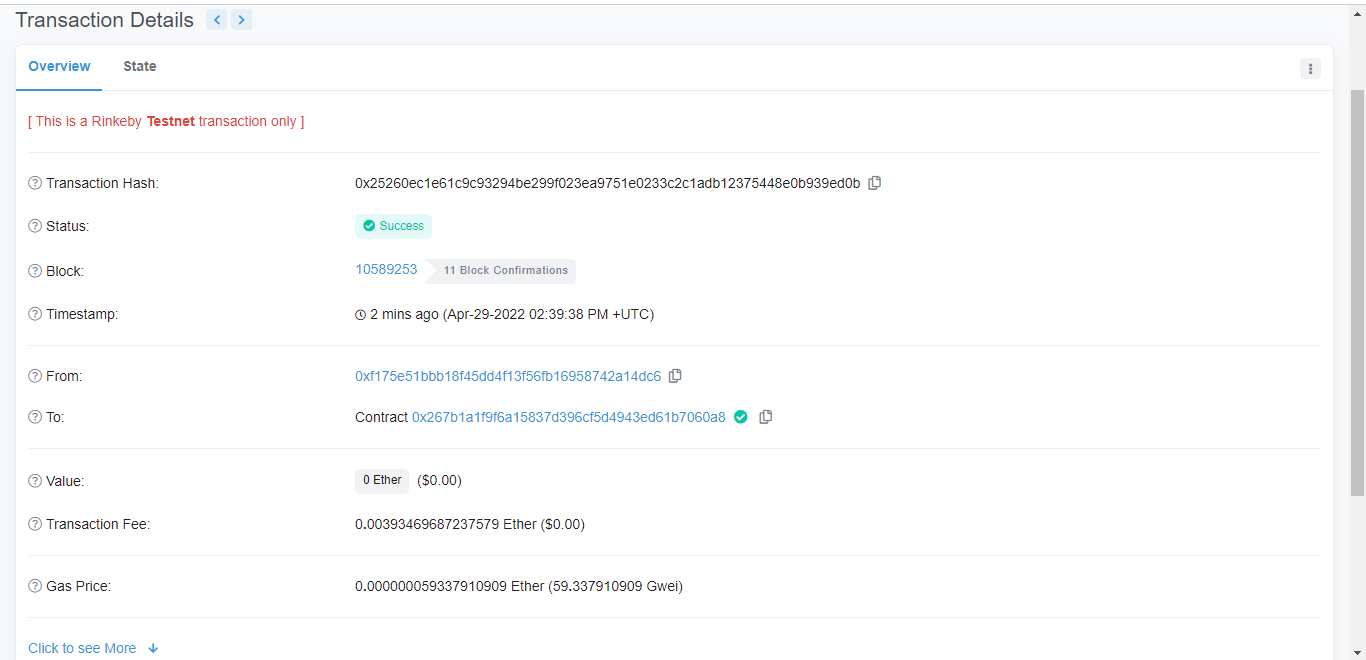
And click on confirm button.

Text

Description automatically generated

After click on confirm button, Transaction Hash is created

0x25260ec1e61c9c93294be299f023ea9751e0233c2c1adb12375448e0b939ed0b



**3)getBlockAddress**

For see the all block address , you can click on getBlockAddress button

A screenshot of a computer

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**4)Again Transfer of Blocklist address**

again we transfer the blocklistaddress(**0x1739C6926A4e621739D5EB694e2AE979a9F18595**) from Transfer method but it show error like **address is in blacklist.**

Click on transact of Transfer button and put block list address in parameter of transfer method , try to transfer token but it show error like **address is in blacklist address.**

Graphical user interface, application

Description automatically generated

Graphical user interface, text

Description automatically generated

**5)Removing address from blacklist**

Other method is remove block list address is used to remove blocked address **(0x1739C6926A4e621739D5EB694e2AE979a9F18595)** and click on transact of removeblockaddressfrom address .

Graphical user interface, application

Description automatically generated

After transact , click on confirm button of transaction.

Text

Description automatically generated

**After click on confirm Transaction hash is created:-**

0x0c7654e9808951653790f2d2d431a754def4eee23d32fbf77c0ff4b59e59439c

Graphical user interface, text, application, email

Description automatically generated

**6)After Removing below address from block list addresses**

**Address \_to=** 0x1739C6926A4e621739D5EB694e2AE979a9F18595

**Value**= 10000

After filling above records in transfer method and try to transfer , token will be transferred because \_to address has been removed from blocked list.

Graphical user interface, text

Description automatically generated

**After click on confirm button transaction hash created**

0xa80d7800caa3907e66ecdadee5cb5db9972d58c17b1df368b58dbb89e01a84cd

Graphical user interface, text, application, email

Description automatically generated

Thanks