

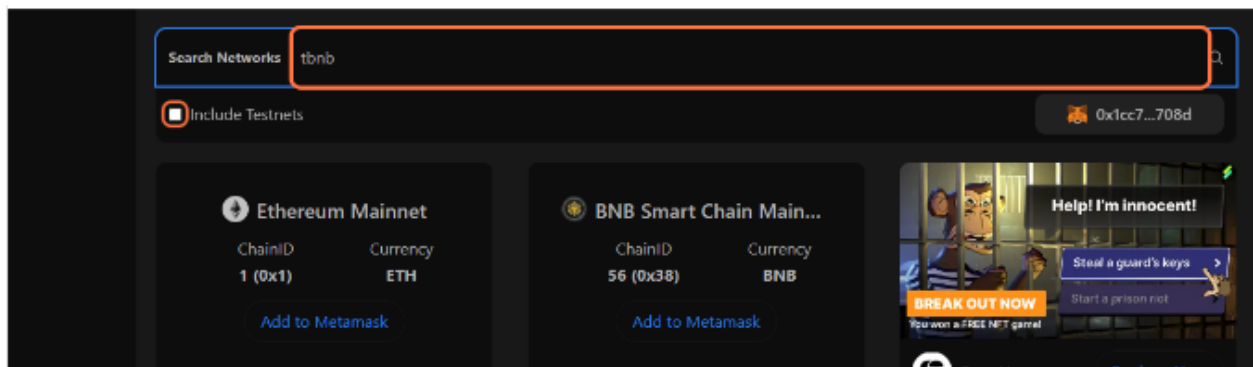
How to Add Liquidity to your CryptoCurrency Token using BNB Smart Chain Test Net and Pancake Swap

Pre-requisites:

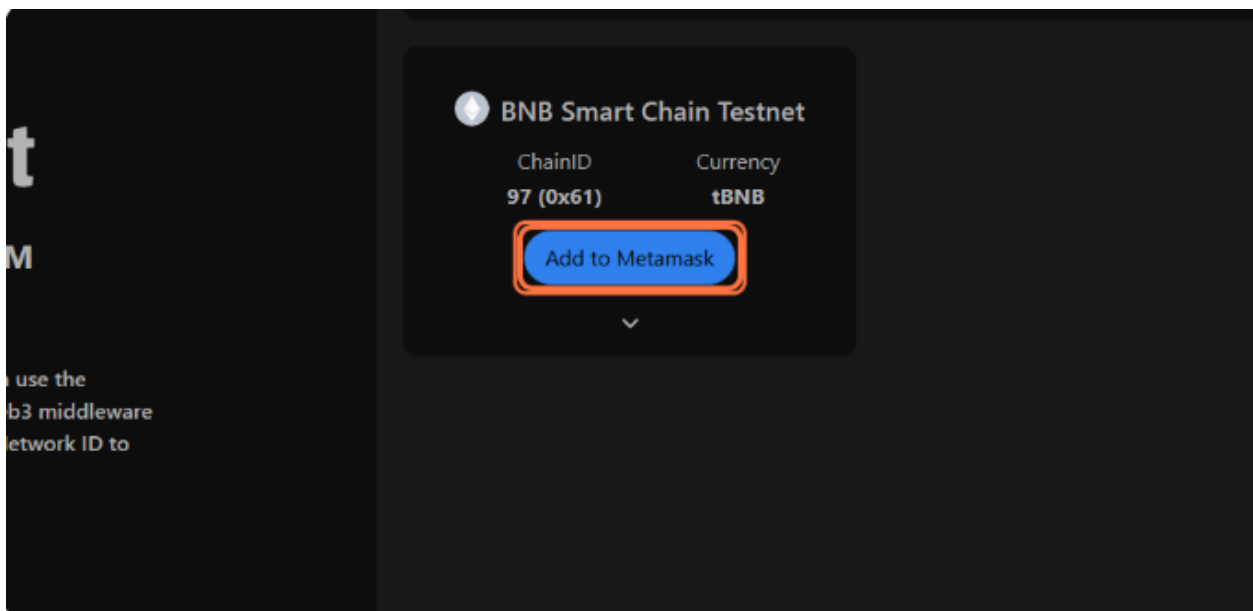
- Basic coding knowledge with Solidity
- Must have your own MetaMask Wallet.
- Was able to perform this activity [How to Create a CryptoCurrency](#)(We will be using the contract created in the previous activity)

Step 1: Connect BNB Smart Chain Testnet and Create OCC Token

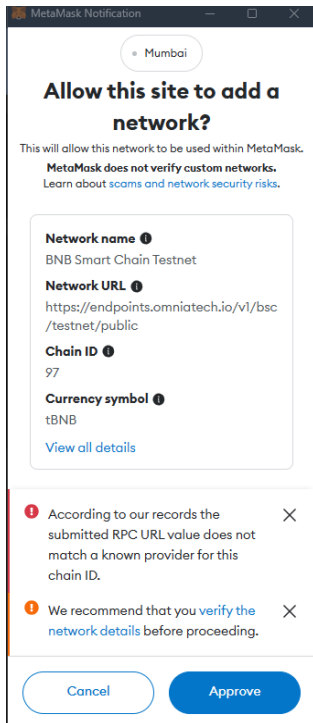
1. Go to <https://chainlist.org/>
2. Search for “**tbnb**”. Check Include Testnets



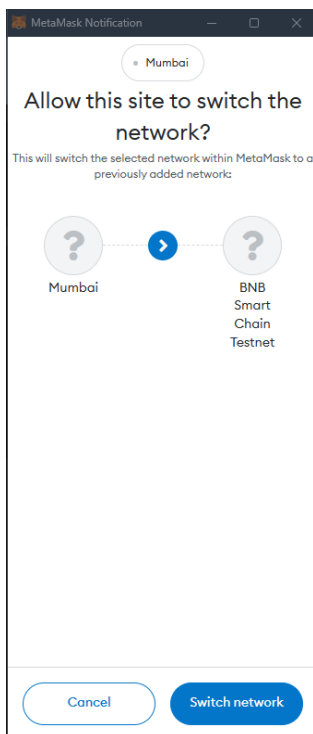
3. Look for the Testnet with a ChainID of 97. Click “**Add to Metamask**” button



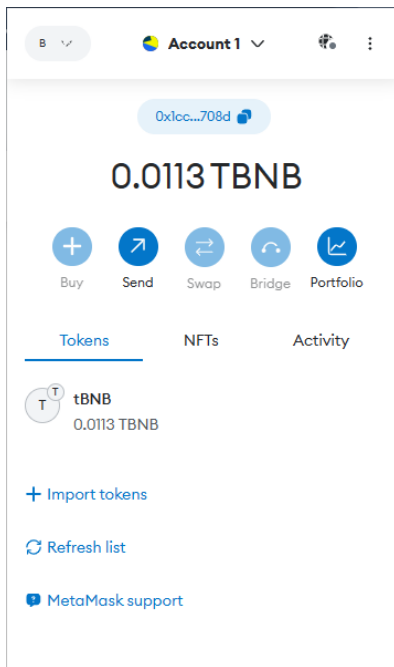
4. A Metamask prompt will open asking for our approval to add the network to our wallet.
Click the “**Approve**” Button



5. Metmask will now ask if we want to switch the network. Click the “**Switch network**” button.

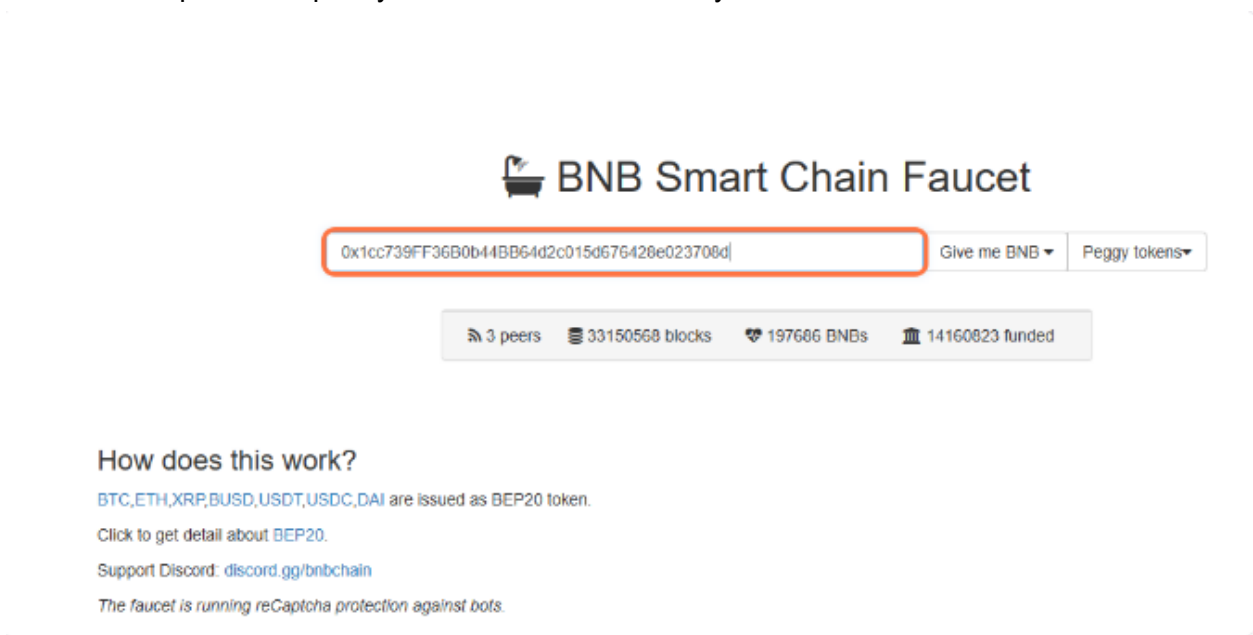


6. Open your Metamask Extension and Copy your ID.



7. Go to <https://testnet.bnbchain.org/faucet-smart>. Verify yourself in the Captcha.

8. The input will require your Metamask ID. Paste your Metamask ID



9. Click on “**Give me BNB**” drop down button then click on “**0.1 BNB**”.

BNB Smart Chain Faucet

c015d676428e023708d

Give me BNB ▼

Peggy tokens ▼

0.1 BNB

33150570 blocks 197686 BNBs 14160823 funded

oken.

10. Check your Metamask account. You should be able to see this **Receive** transaction in your activity

Receive 0.1 TBNB

Sep 8 · From: 0xaa2...1dd3 0.1 TBNB

11. Go to <https://remix.ethereum.org/>. And open the How To Create A CryptoCurrency Workspace.
12. Inside the Deploy & Run Transactions Section, Click on the Environment.

DEPLOY & RUN TRANSACTIONS ✓ >

ENVIRONMENT

Remix VM (Shanghai)

VM

ACCOUNT

0x5B3...eddC4 (100 ether)

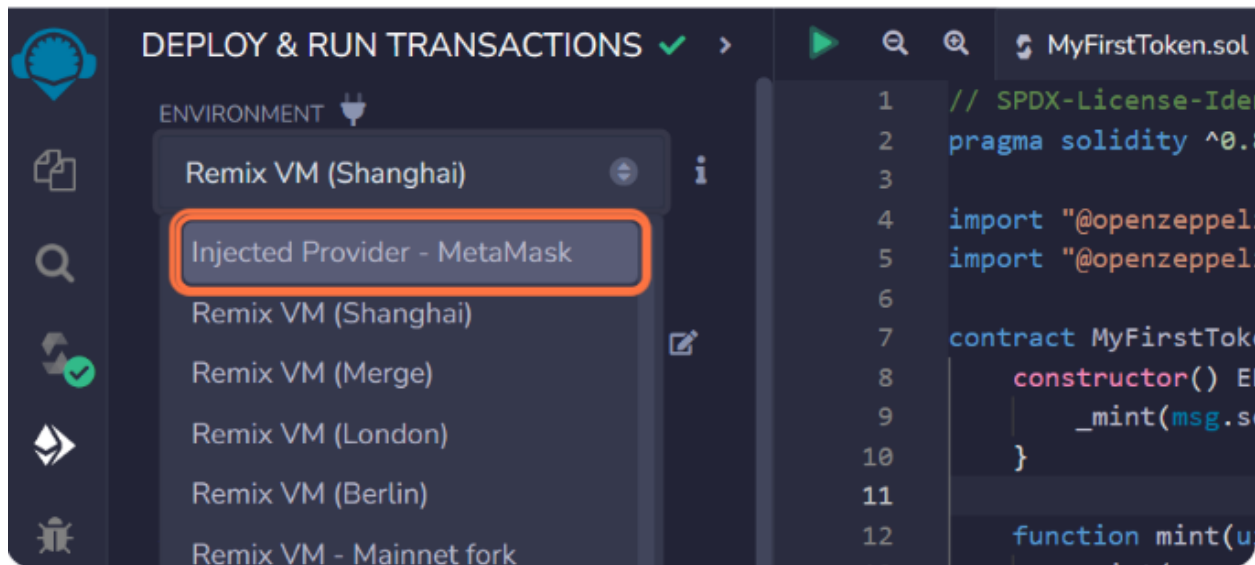
GAS LIMIT

3000000

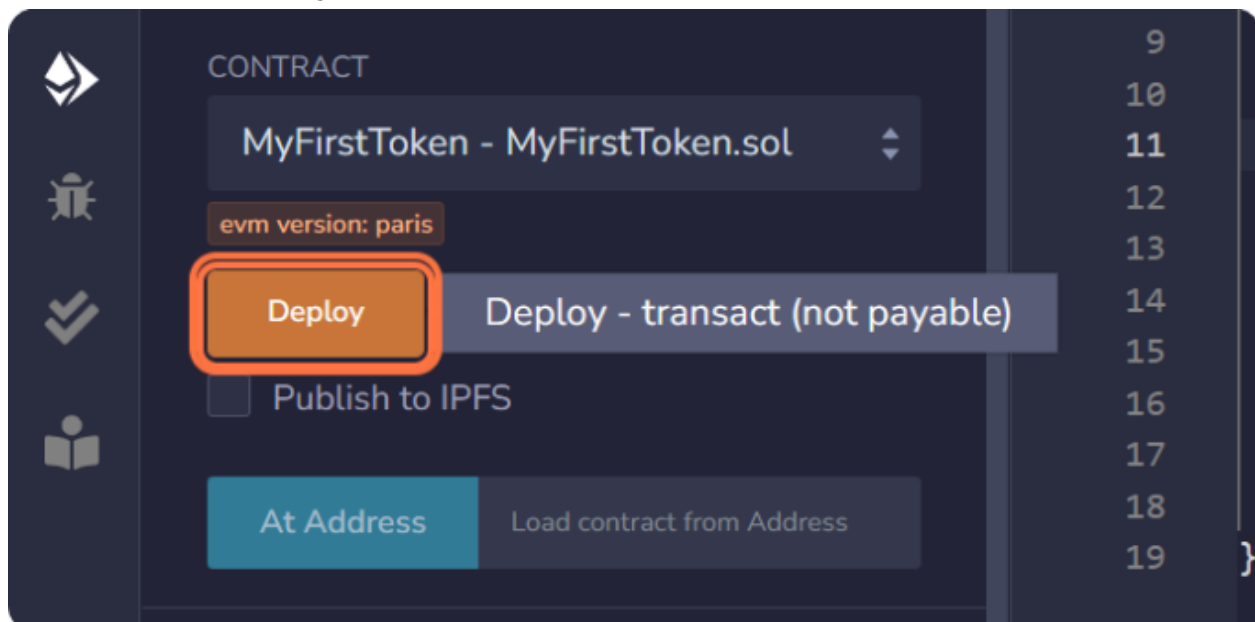
VALUE

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 import "@openzeppelin/contracts/token/ERC20/ERC20.sol";
5 import "@openzeppelin/contracts/token/ERC20/extensions/ERC20Burnable.sol";
6
7 contract MyFirstToken is ERC20, ERC20Burnable {
8     constructor() ERC20("MyFirstToken", "MT") {}
9     _mint(msg.sender, 1000000000000000000000000);
10 }
11
12 function mint(uint amount) public {
13     _mint(msg.sender, amount);
14 }
```

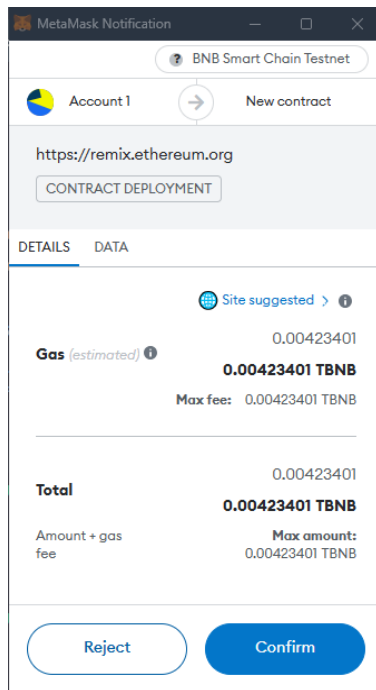
13. Change the Environment to **Injected Provider - MetaMask**.



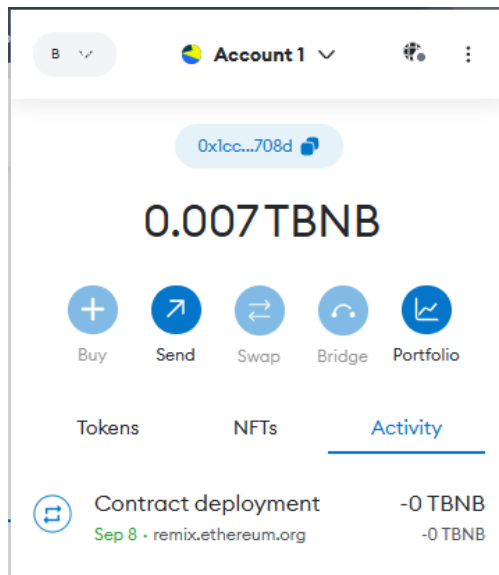
14. Click the **“Deploy”** button to run our contract.



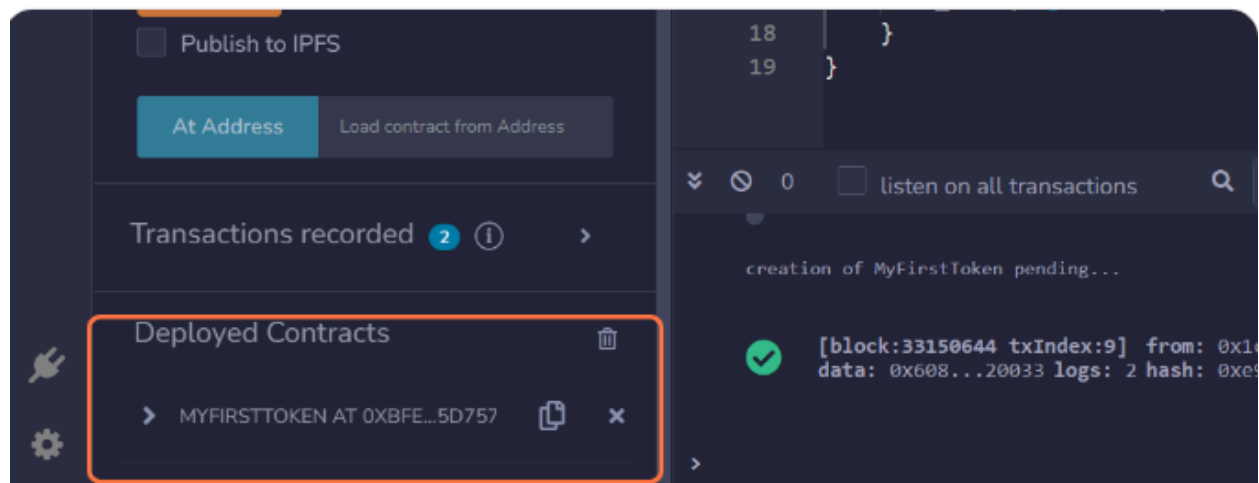
15. A Metamask prompt will automatically show. Click the “**Confirm**” button.



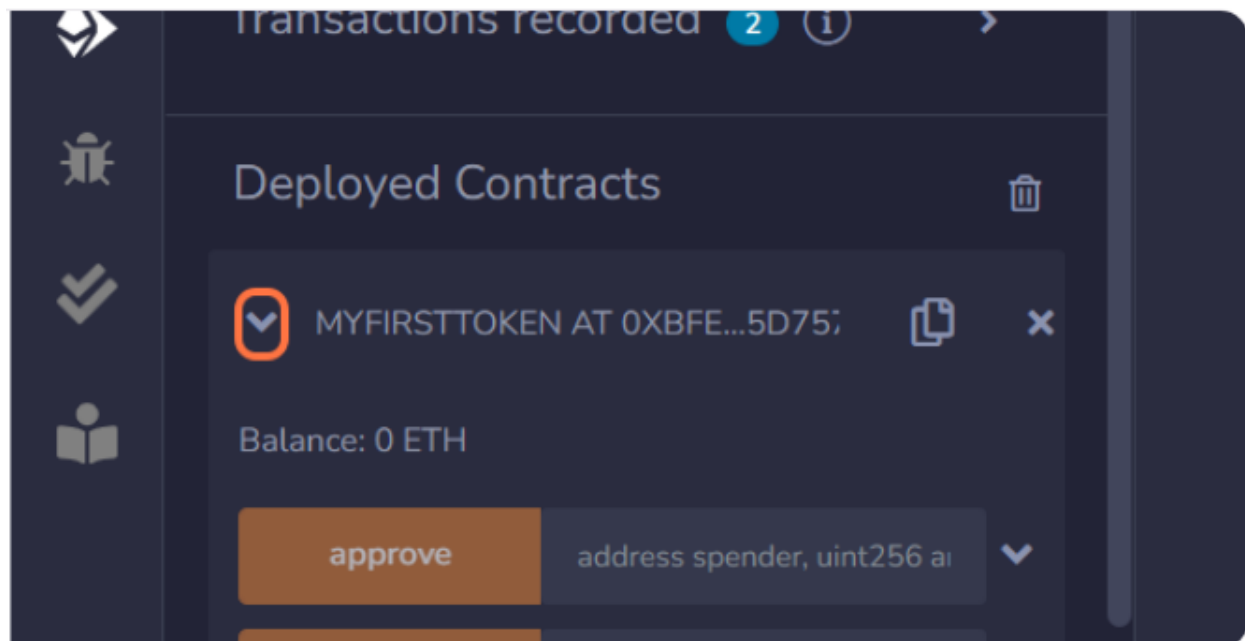
16. Check your MetaMask Account. You should be able to see a Contract deployment activity.



17. Go back to your Remix IDE. And check under the Deployed Contracts section. You should be able to see your contract name and its ID.



18. Click the dropdown arrow beside your contract.



The screenshot shows the Solidity compiler's 'Low level interactions' section. A list of variables is displayed: 'name', 'owner', 'symbol', and 'totalSupply'. The 'totalSupply' variable is highlighted with an orange border. To its right, the expression 'totalSupply - call' is shown. Below this, the value '0: uint256: 100000000000000000000' is displayed. On the right side of the interface, a snippet of code is visible, showing a 'CALL' instruction and a reference to 'MyFi'.

Simple Unit Converter

After constantly using a calculator to convert between Ether units i thought it would neat to implement the [EthereumJS-Units](#) library and for everyone to use. There is a [simple](#) and [full](#) converter page, since the majority wouldn't bother for any other units than Ether, Gwei and Wei.

Wei	<input type="text" value="1000000000000000000000"/>
Gwei	<input type="text" value="1000000000000"/>
Ether	<input type="text" value="10000"/>

Made in 2017 | Design: [HTML5 UP](#)

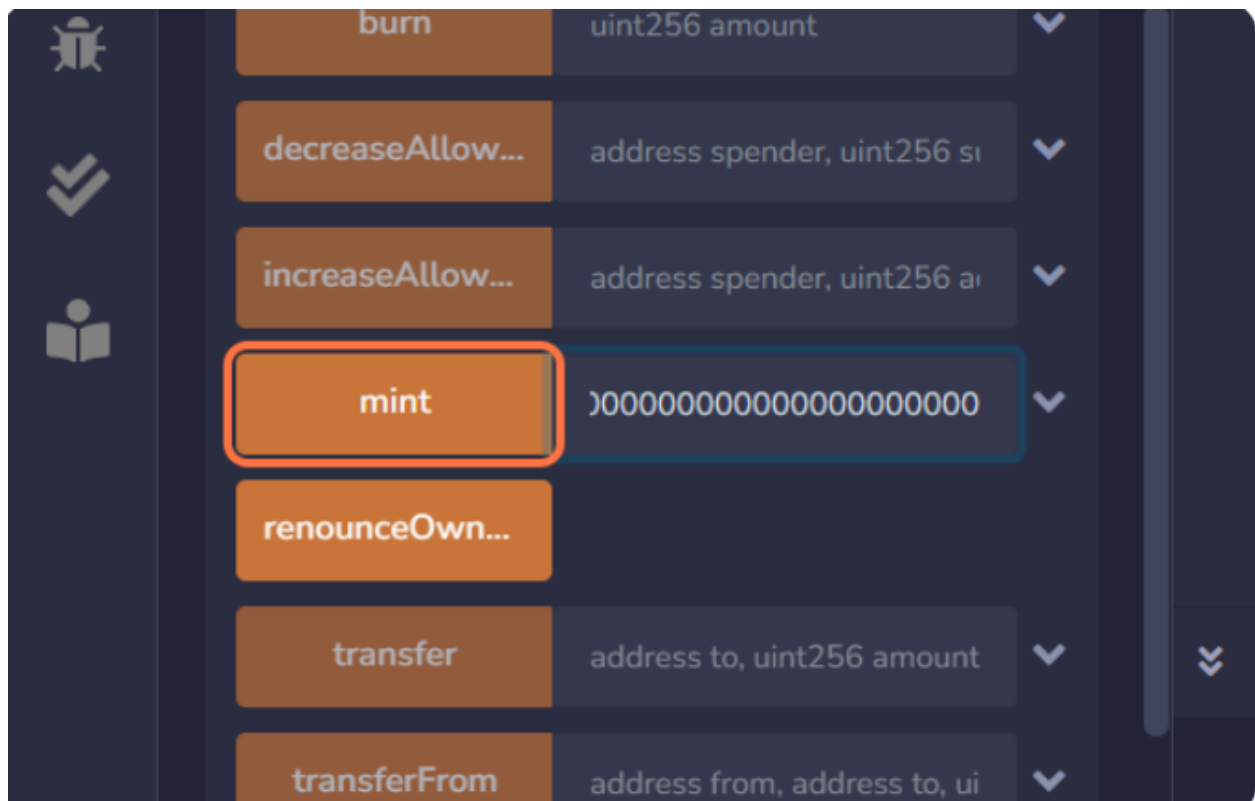
21. Highlight and copy its Wei converted value.

Simple Unit Converter

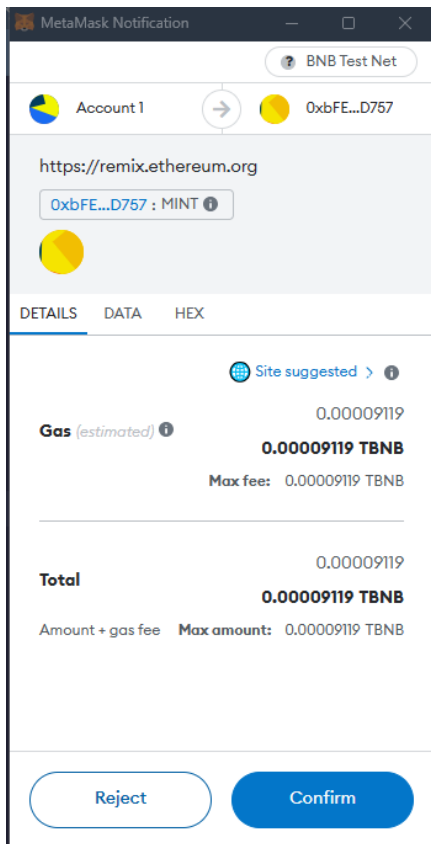
After constantly using a calculator to convert between Ether units i thought it would neat to implement the [EthereumJS-Units](#) library and for everyone to use. There is a [simple](#) and [full](#) converter page, since the majority wouldn't bother for any other units than Ether, Gwei and

Wei	<input type="text" value="1000000000000000000"/>
Gwei	<input type="text" value="1000000000000"/>
Ether	<input type="text" value="10000"/>

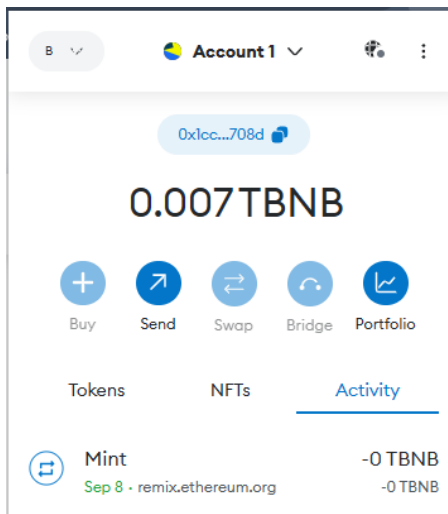
22. Go back to your Remix IDE. Look for the mint function and paste it on the input field beside it. Then click on the “**mint**” button.



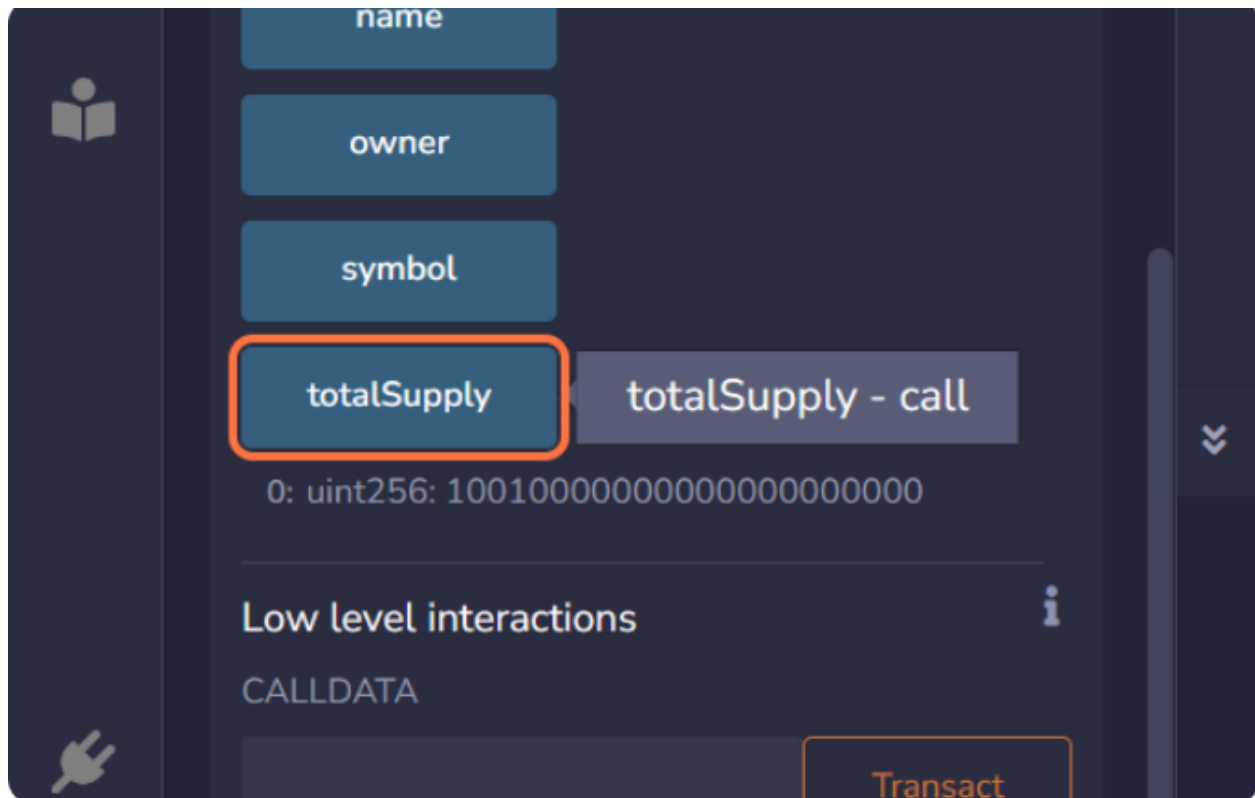
23. A Metamask prompt will show. Click on the “**Confirm**” button.



24. Check your Metamask account. You will be able to see a Mint transaction in your activity.

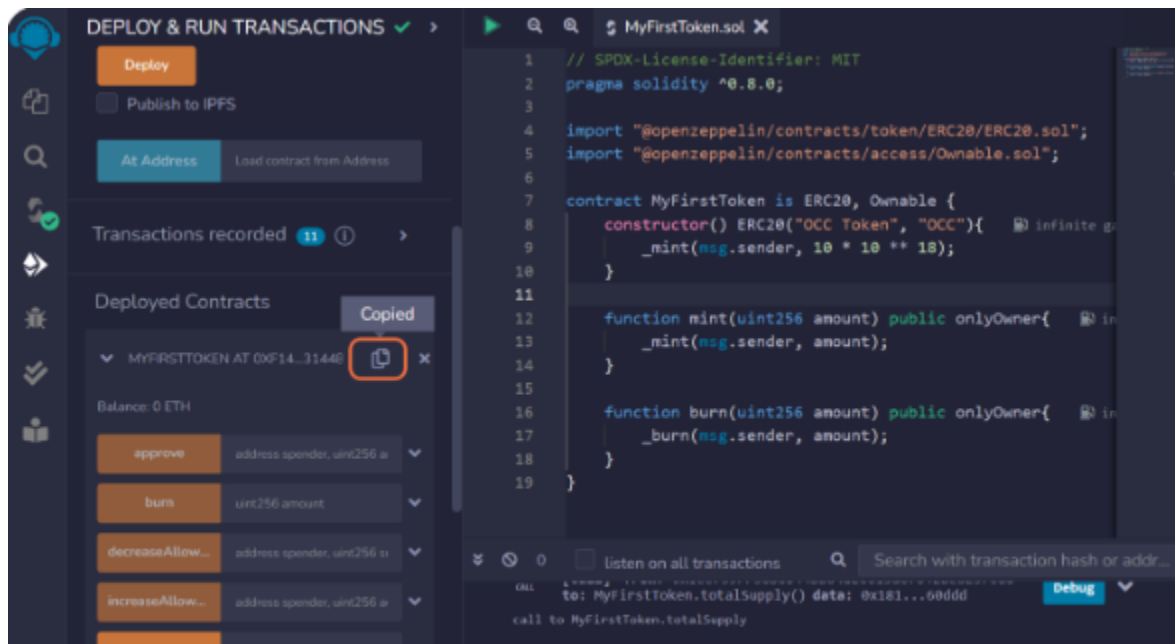


25. Go back to your Remix IDE. Click the “**totalSupply**” button again. You should be able to see changes in its value.

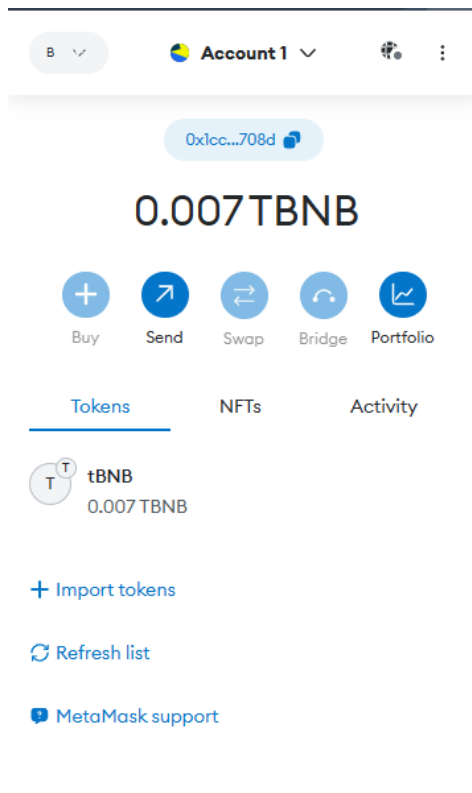


Step 2: Adding a custom token in your MetaMask Wallet.

1. Copy your Contract ID by clicking the copy icon beside it.



2. Go to your MetaMask account and click on the **Tokens** tab. Then click on **Import token**



3. Paste your Contract Id on the first input field. Write your token symbol on the next field. Then click on the **“Add custom token”** button.

Account 1

Import tokens

Custom token

make sure you trust it. Learn about [scams and security risks](#).

Token contract address

0xbFEa22Fa14BF0a2E43D444139fA9

Token symbol [Edit](#)

OCC

Token decimal

18


Add custom token

4. Click on the **“Import tokens”** button.

Account 1

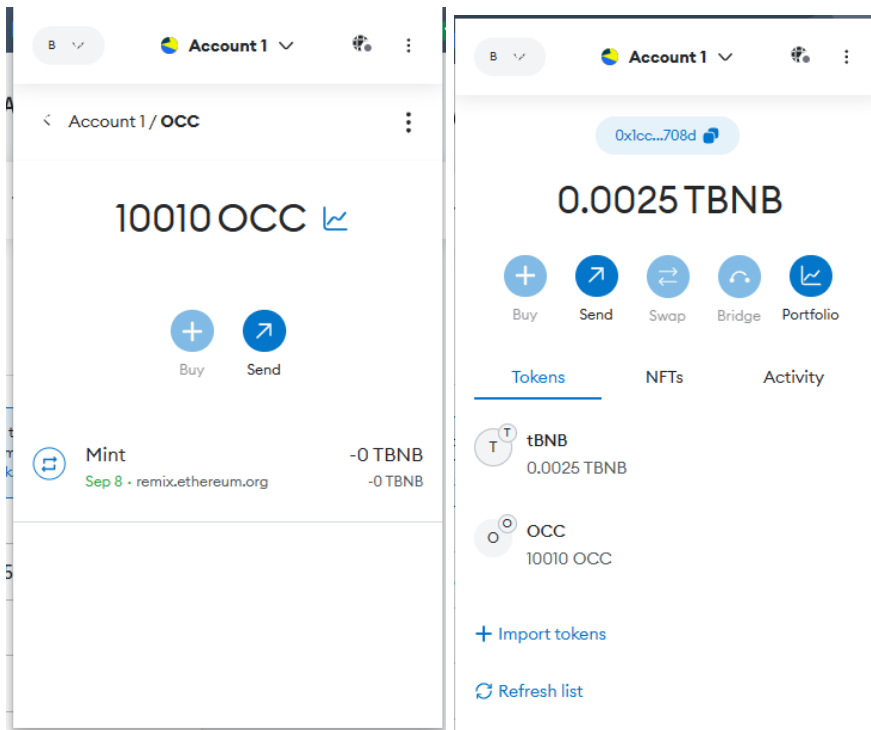
Import tokens

Would you like to import these tokens?

Token	Balance
 OCC	10010 OCC

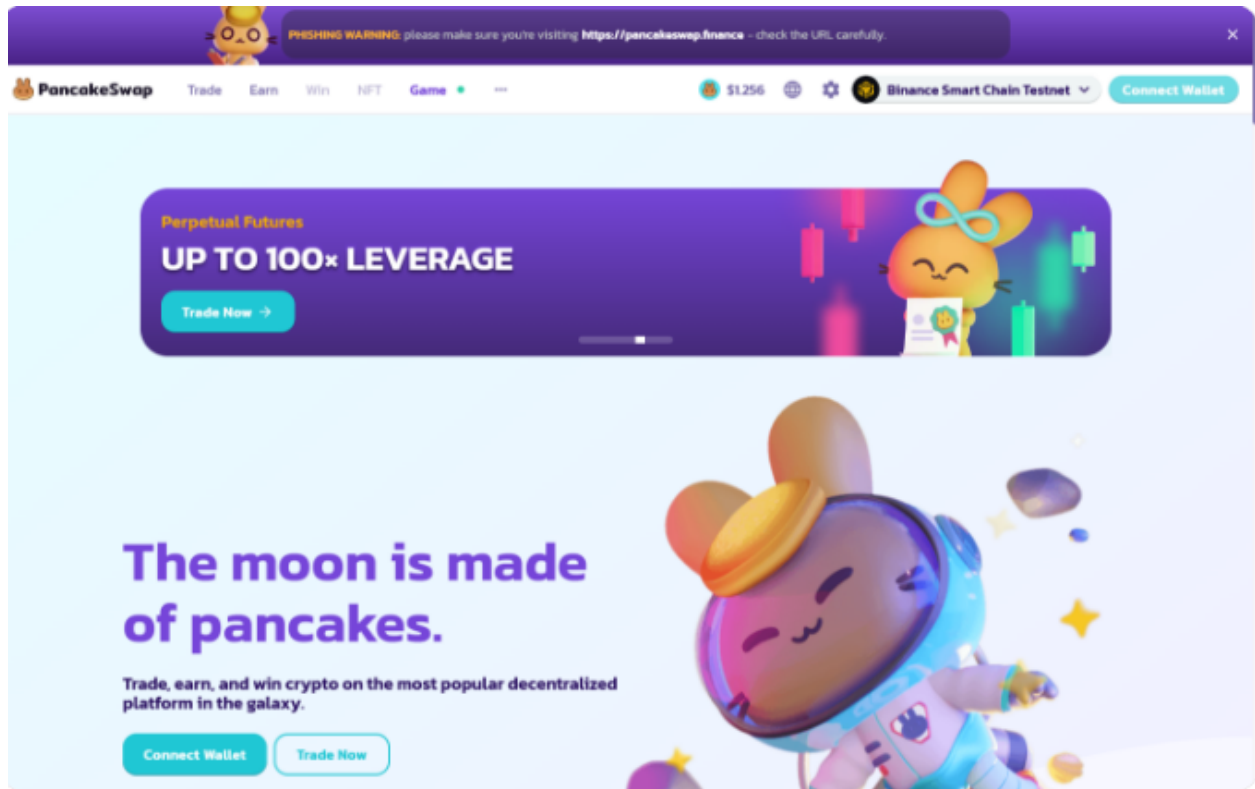
Back Import tokens

5. You should now be able to see this token in your account.

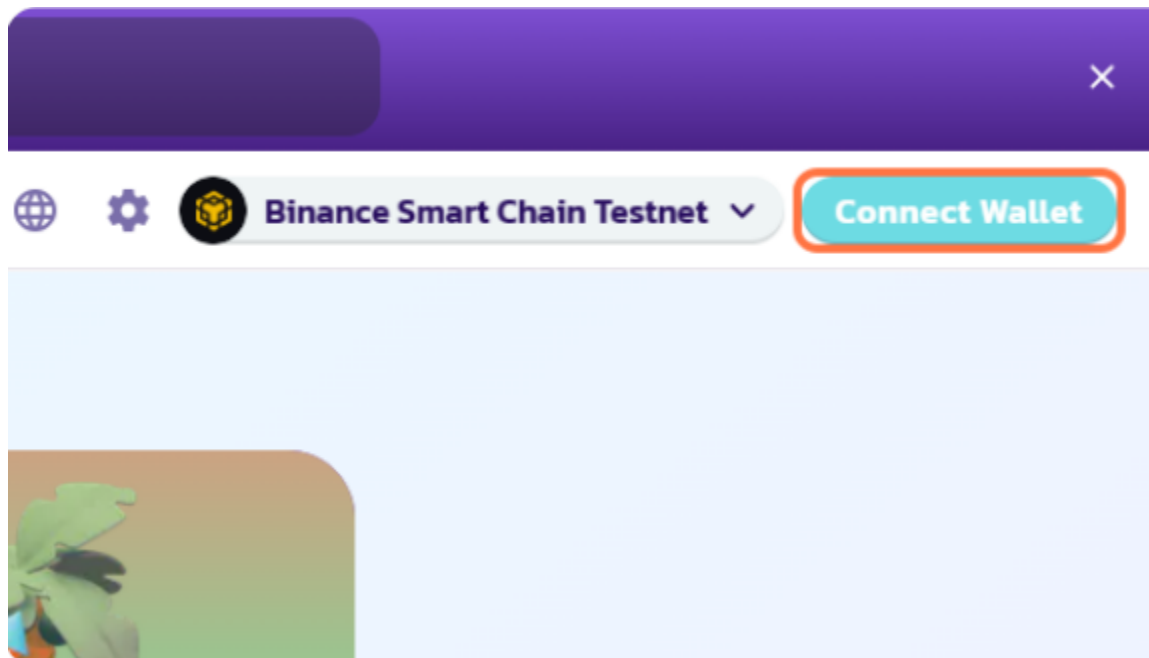


Step 3: Add Liquidity To Your Token Using PancakeSwap

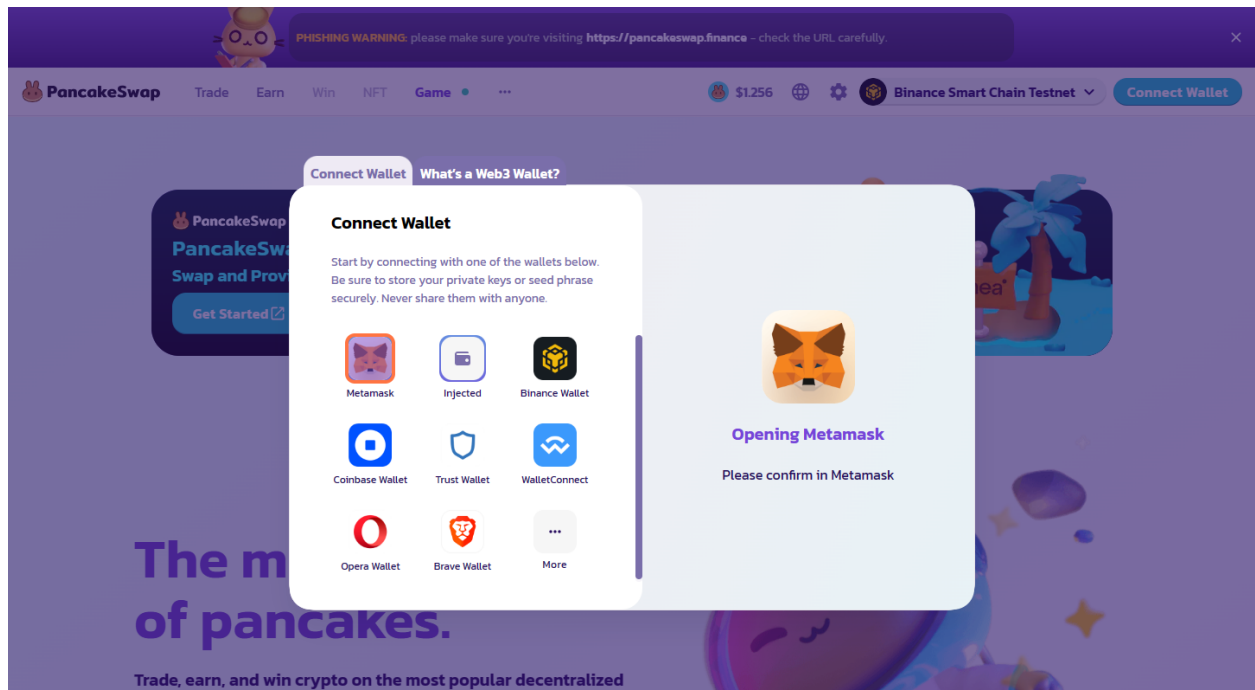
1. Go to this website <https://pancakeswap.finance/liquidity?chain=bscTestnet>



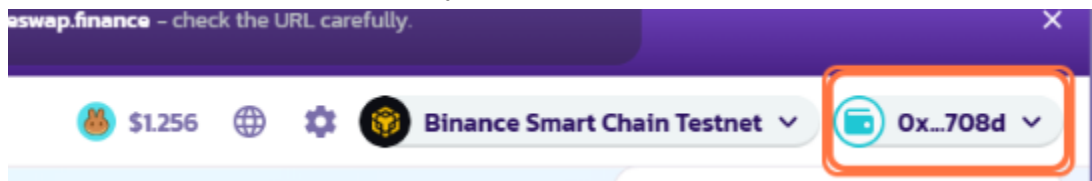
2. Click on the “Connect Wallet” button.



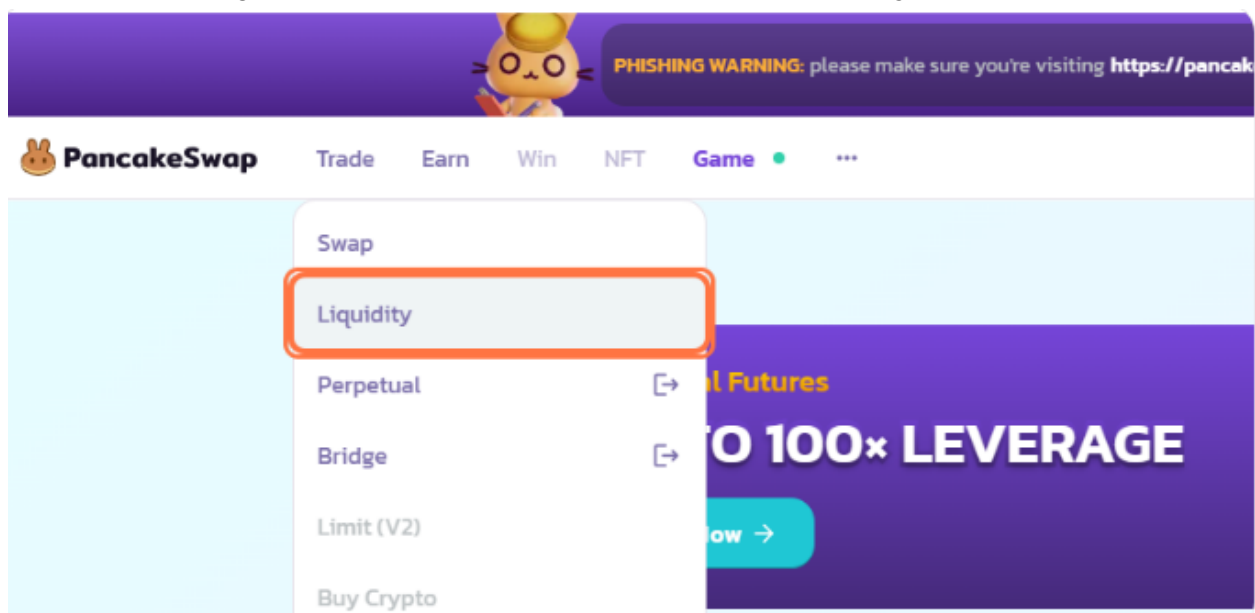
3. Then click on the Metamask option.



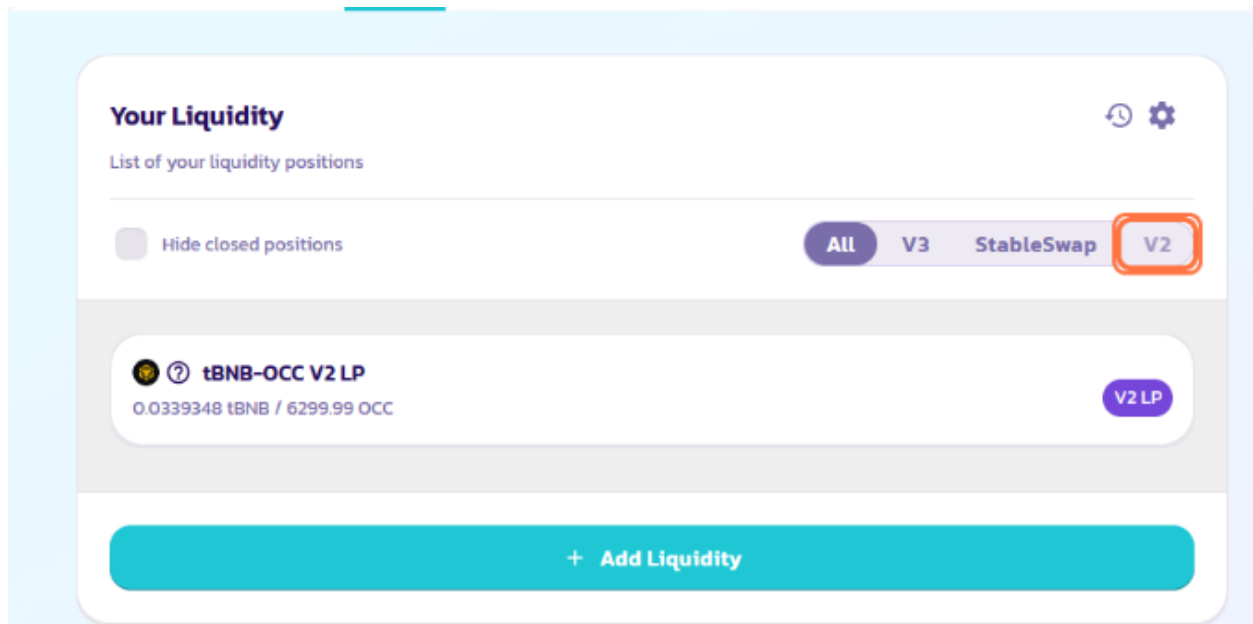
4. You should be able to see your Metamask Account ID connected.



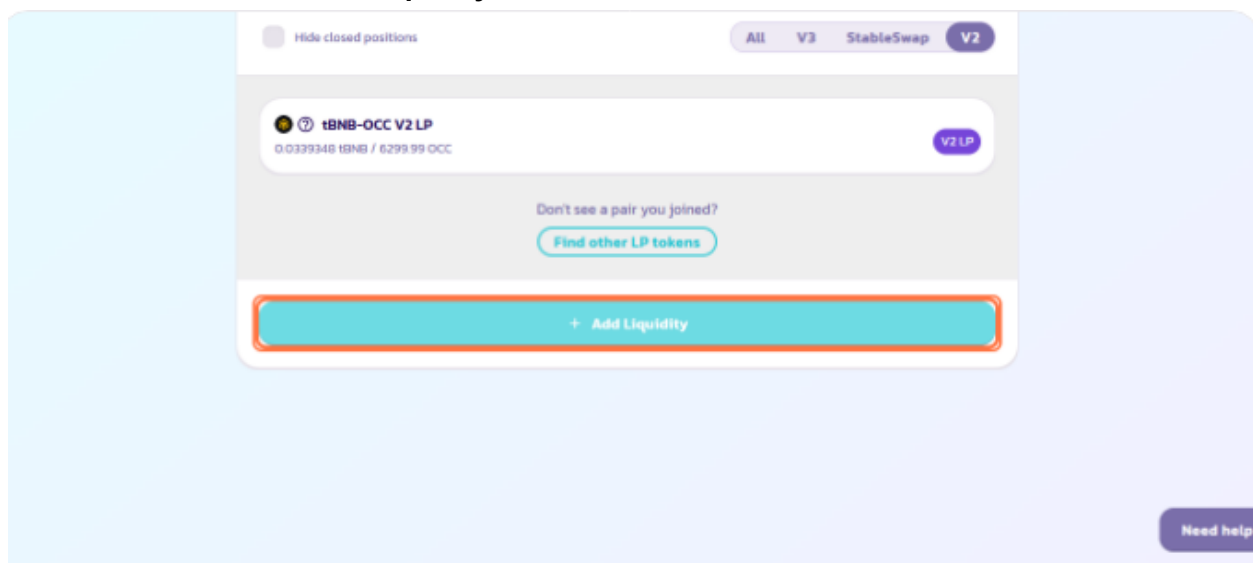
5. In the navigation bar, hover the “Trade” and click on **Liquidity**.



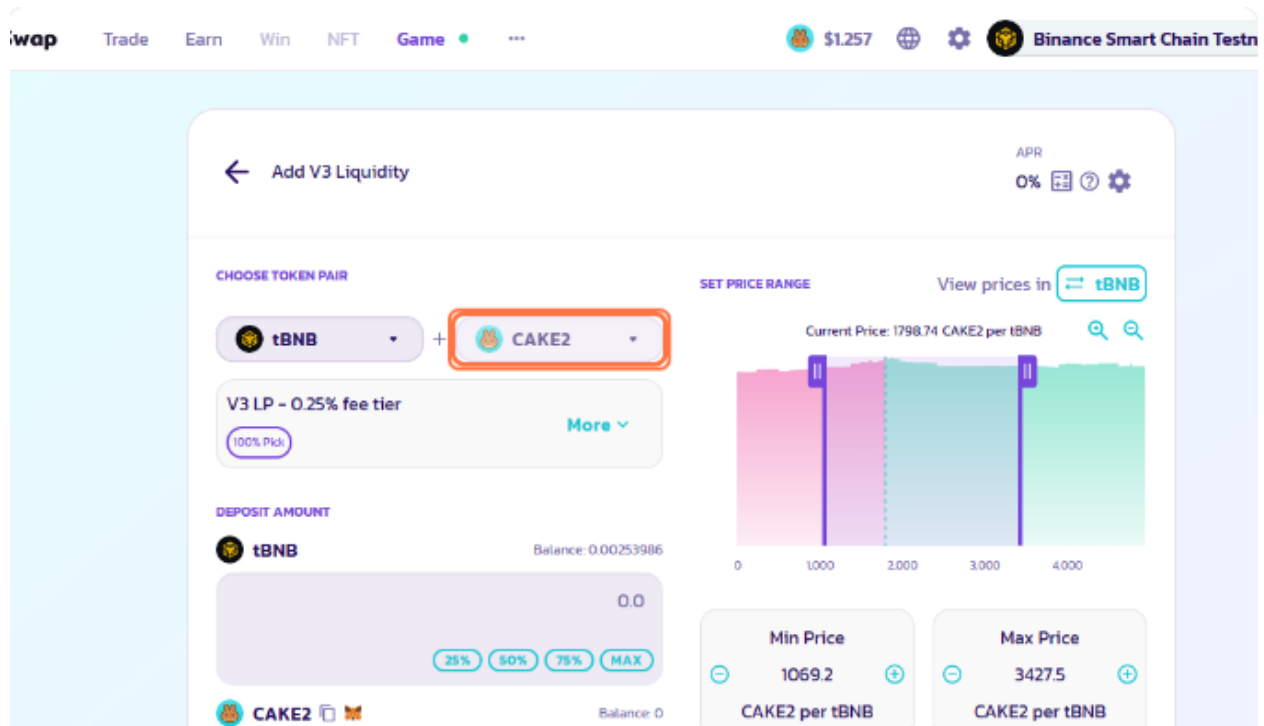
6. Choose the **V2** option.



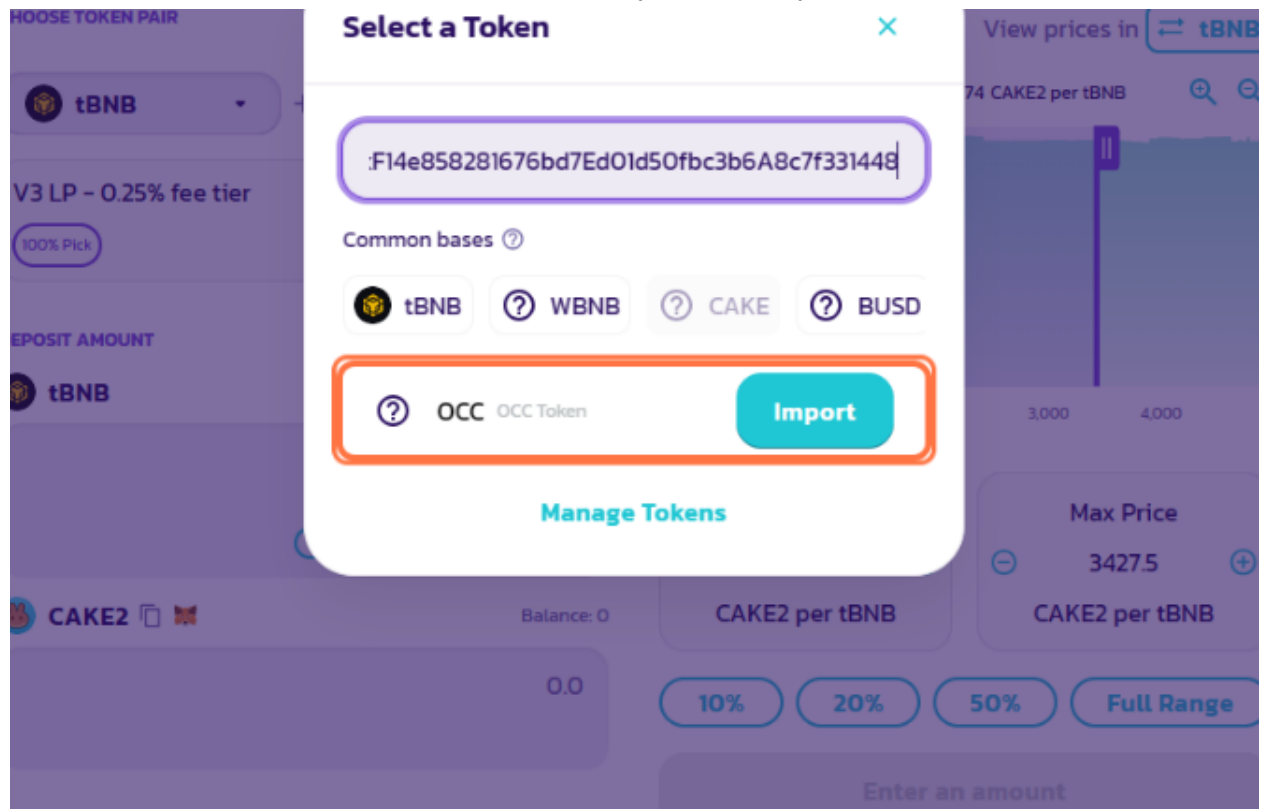
7. Then click the **“Add Liquidity”** button.



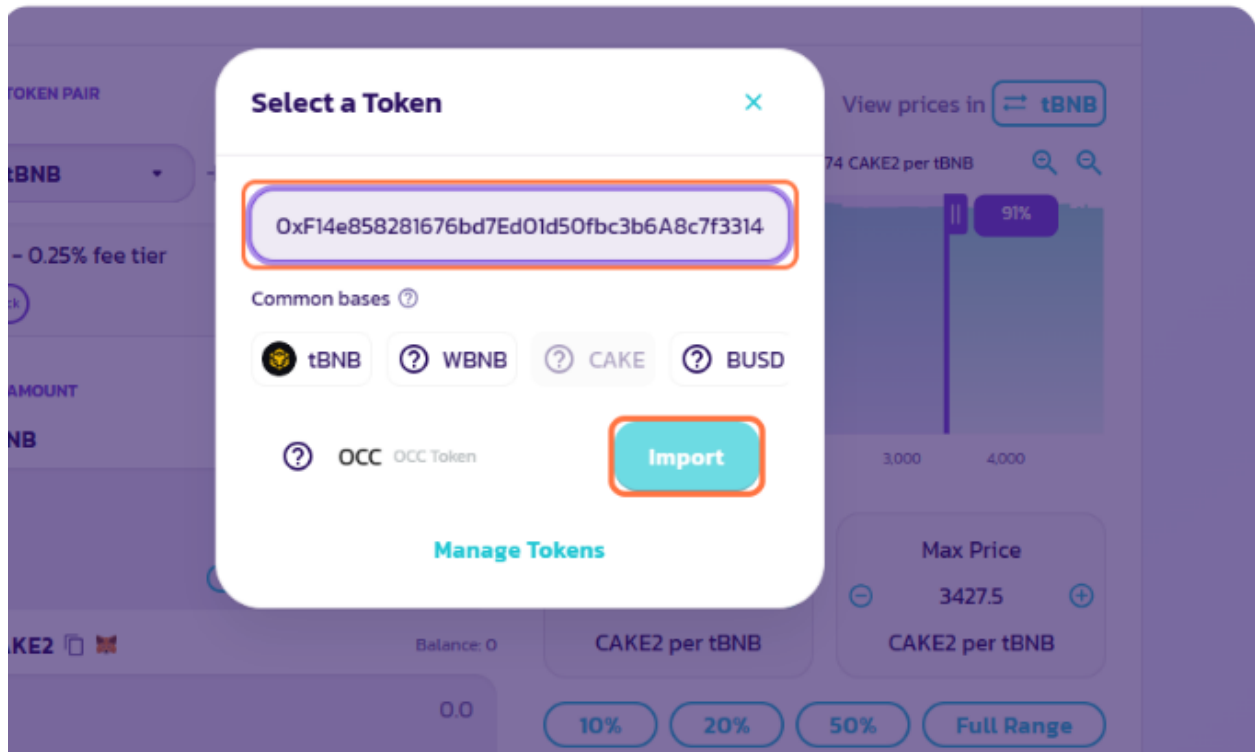
8. We can choose any kind of token pair. Click on the second token,



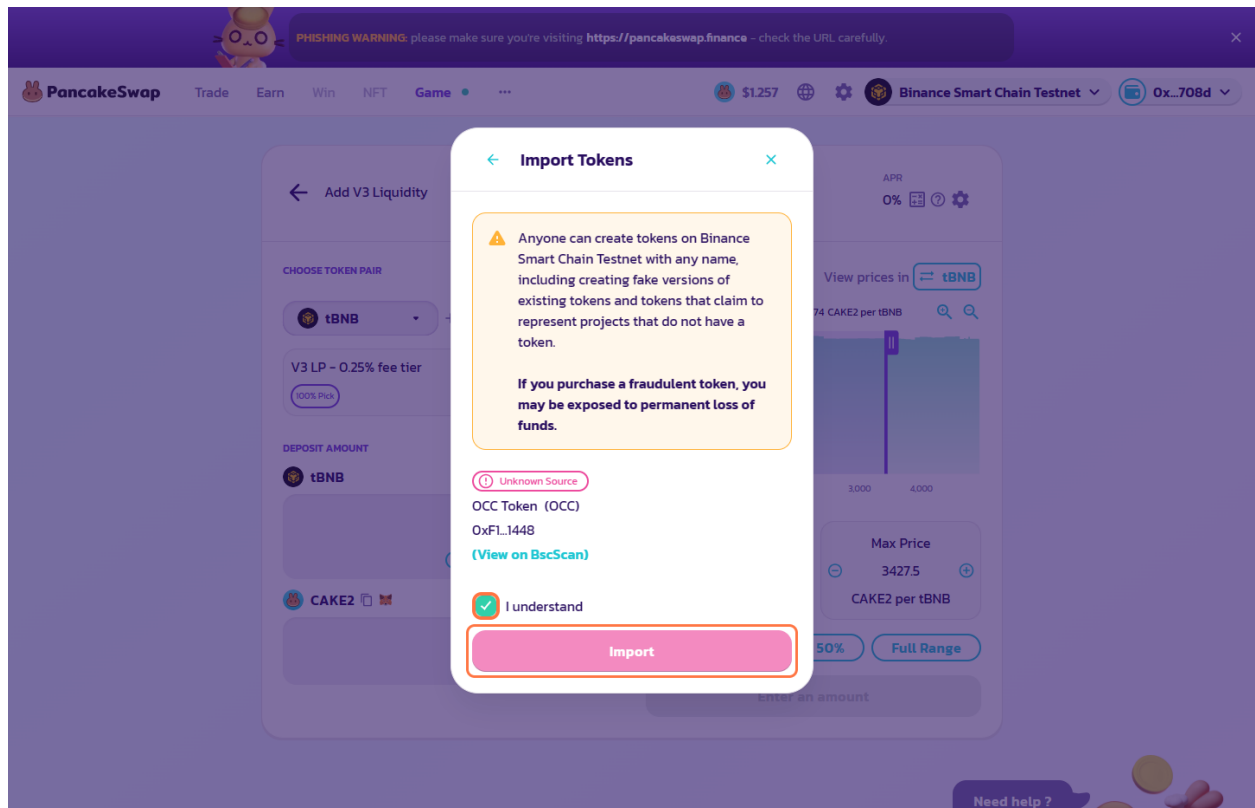
9. This will allow us to select any token or add our own token. Paste your Contract ID inside the input field. You should be able to see your token symbol and token name.



10. Click the “**Import**” icon.



11. Check the “**I understand**” box and then click on the “**Import**” button again.



12. Click on the “Add V2 Liquidity” button.

CHOOSE TOKEN PAIR

SET PRICE RANGE

tBNB + ? OCC

V3 LP

0.01% 0.05% 0.25% 1%

Not Created Not Created Not Created Not Created

Add V2 Liquidity

DEPOSIT AMOUNT

tBNB Balance: 0.0913495

Min Price 0.0

13. Enter any amount or choose any percentage. Make sure that the amount you entered is not exceeding the balance.

DEPOSIT AMOUNT

tBNB Balance: 0.0913495

0.045174765

25% 50% 75% MAX

? OCC Balance: 10010

6000

~903,136,067,744.36 USD

25% 50% 75% MAX

Min Price 0.0

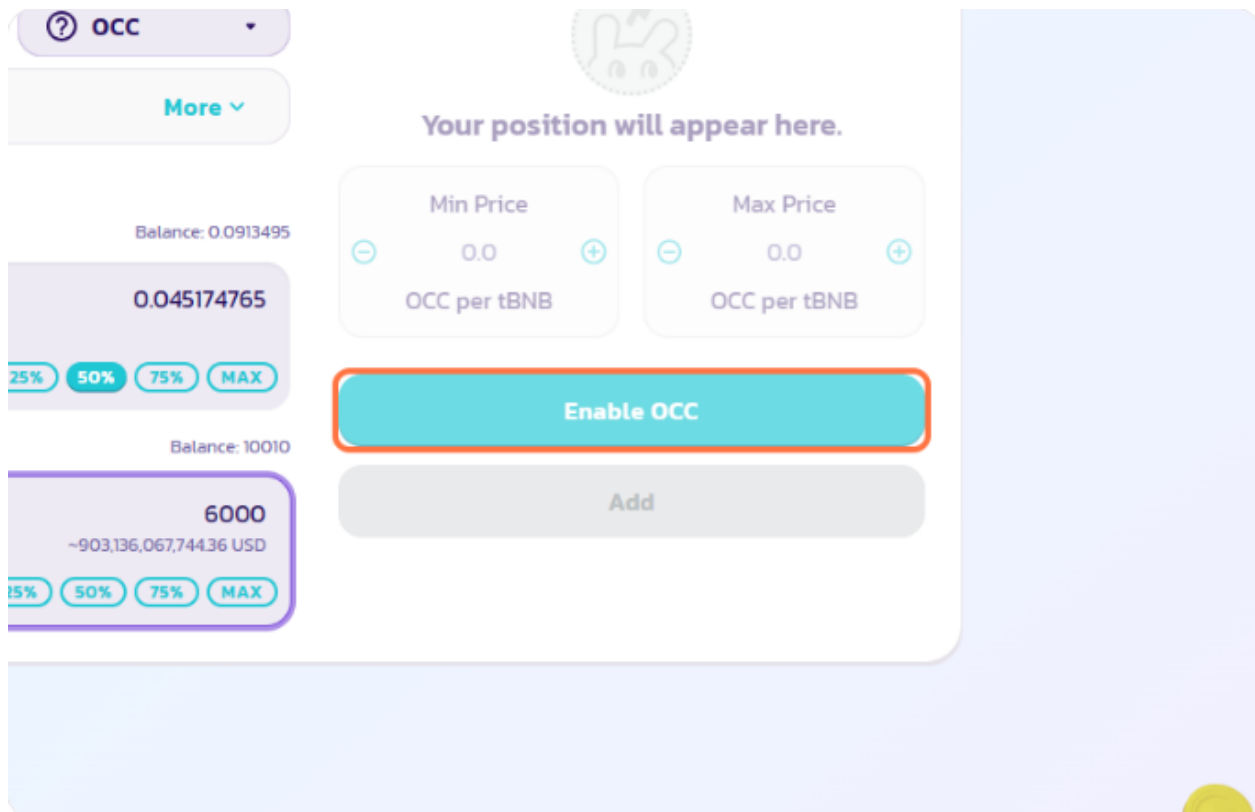
OCC per tBNB

Enter

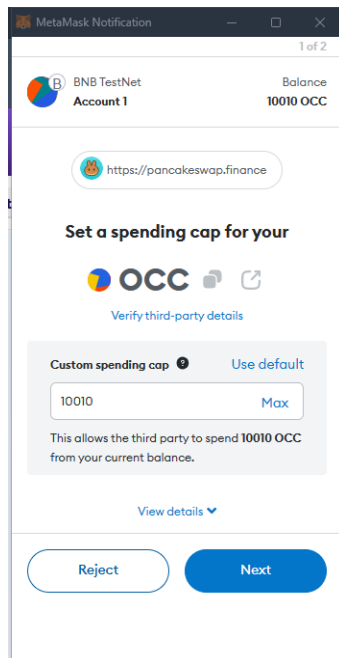
Enable OCC

Add

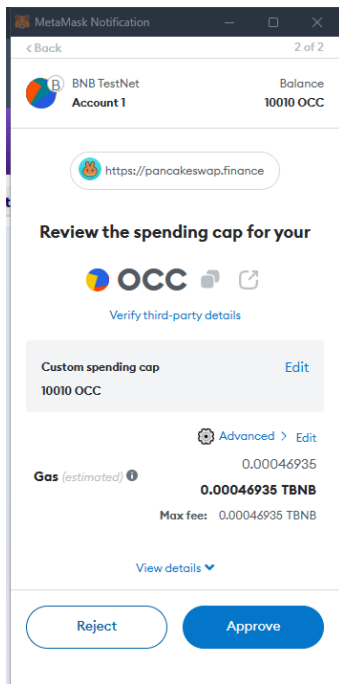
14. Click on “**Enable OCC**” button.



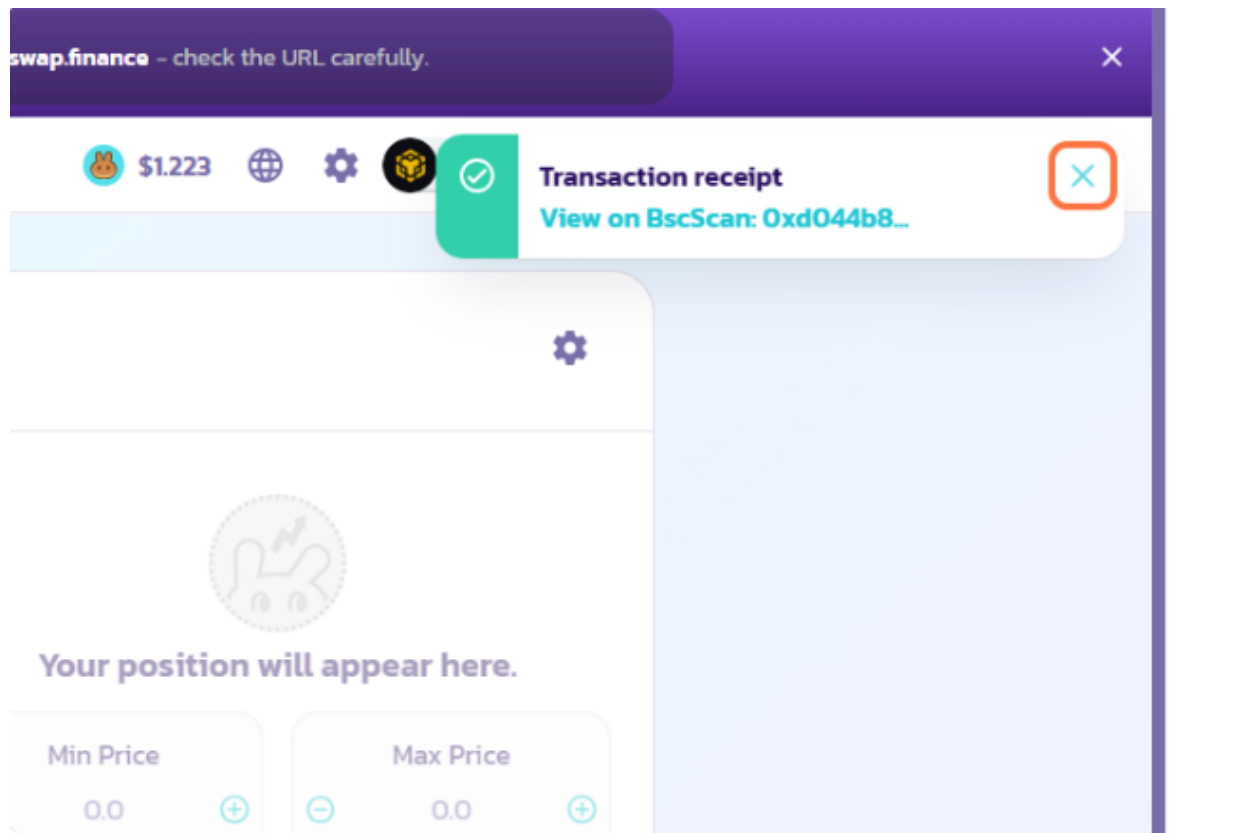
15. A Metamask prompt will ask for the spending cap. Click on “**Max**” and then click on the “**Next**” button.



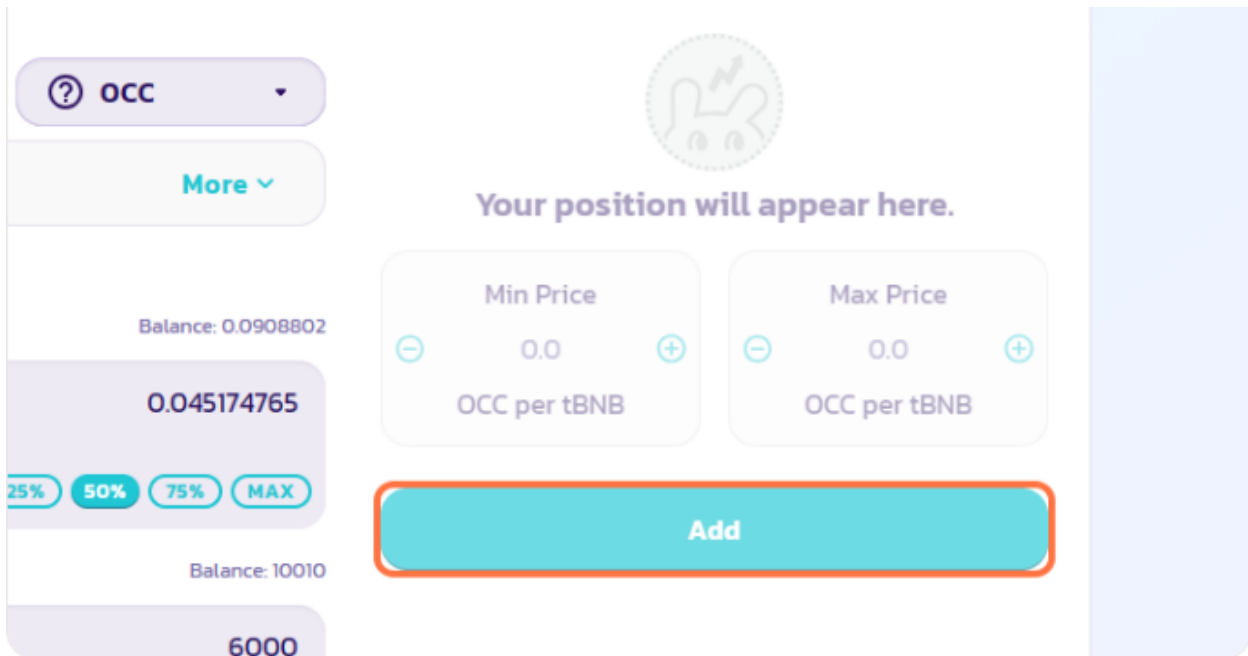
16. Metamask will then ask for approval. Click on the “**Approve**” button.



17. A Transaction Receipt notification should appear.

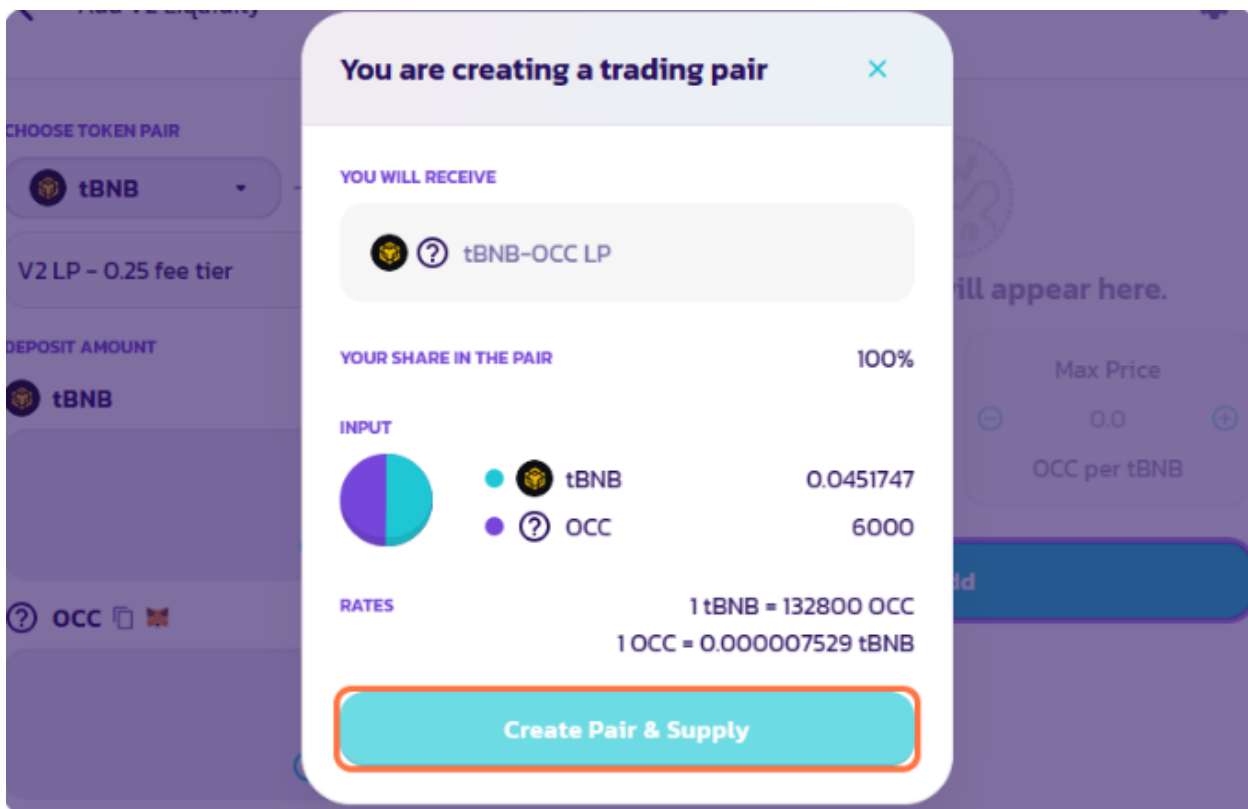


18. Create a trading pair by clicking the **“Add”** button.



The image shows the PancakeSwap interface for creating a new trading pair. At the top, there's a dropdown menu with a question mark and 'OCC'. Below it is a 'More' button. The main area displays 'Your position will appear here.' with two input fields for 'Min Price' and 'Max Price', both set to '0.0' and labeled 'OCC per tBNB'. A large teal 'Add' button is highlighted with an orange border. On the left, there's a balance section showing 'Balance: 0.0908802' and a value of '0.045174765' with buttons for '25%', '50%', '75%', and 'MAX'. At the bottom, another balance section shows 'Balance: 10010' and a value of '6000'.

19. Pancake Swap will show the details of the trade. Click the **“Create Pair & Supply”** button.

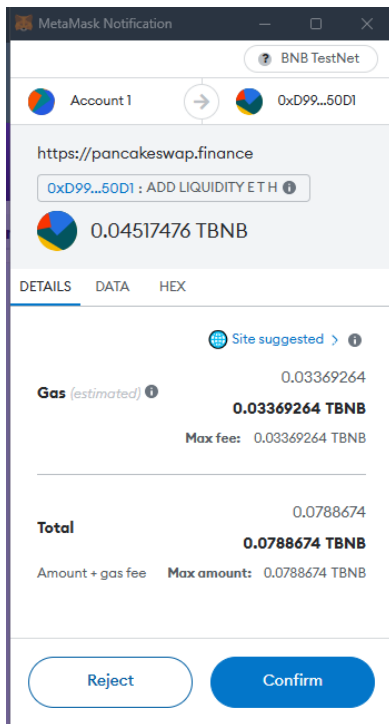


The image shows a modal dialog titled 'You are creating a trading pair' with a close button (X). The dialog contains the following information:

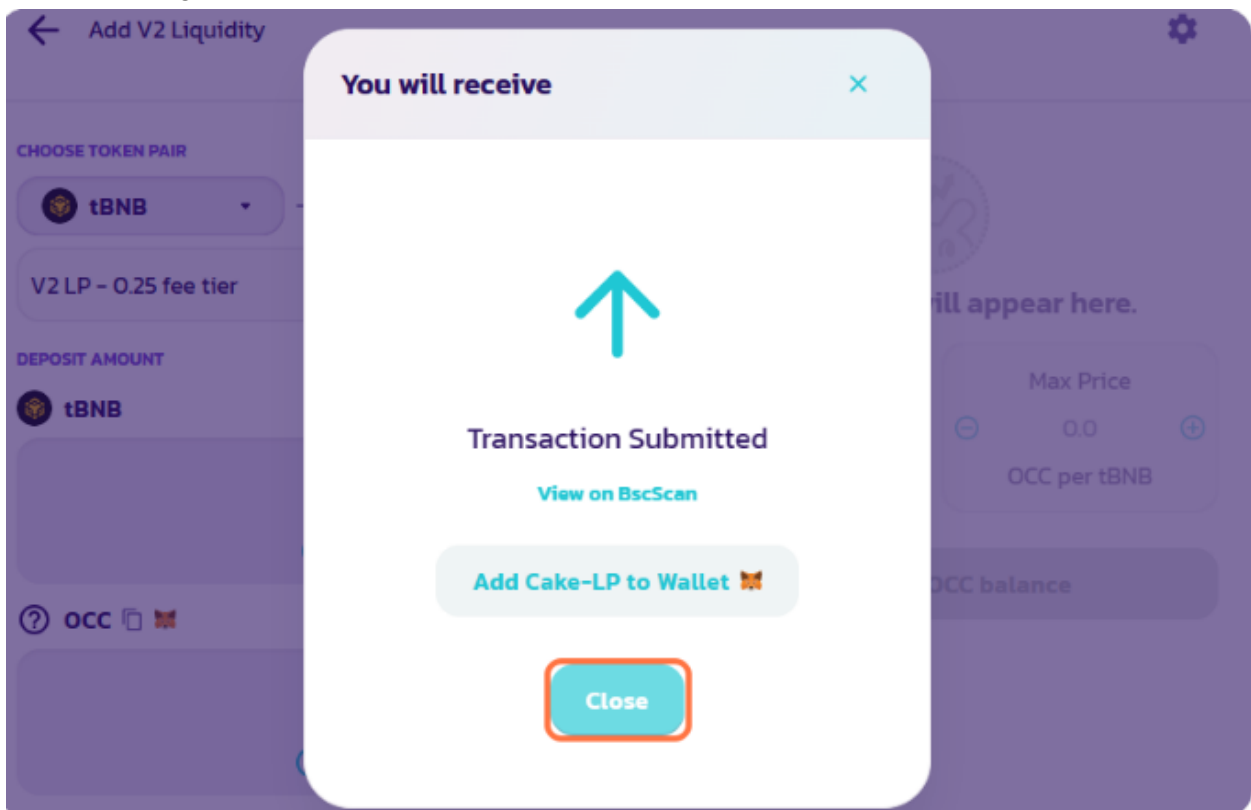
- YOU WILL RECEIVE**: tBNB-OCC LP
- YOUR SHARE IN THE PAIR**: 100%
- INPUT**: A pie chart showing the distribution of tBNB and OCC. The inputs are:
 - tBNB: 0.0451747
 - OCC: 6000
- RATES**:
 - 1 tBNB = 132800 OCC
 - 1 OCC = 0.000007529 tBNB

A large teal 'Create Pair & Supply' button is highlighted with an orange border at the bottom of the dialog.

20. A Metamask prompt will ask for confirmation. Click the “**Confirm**” button.

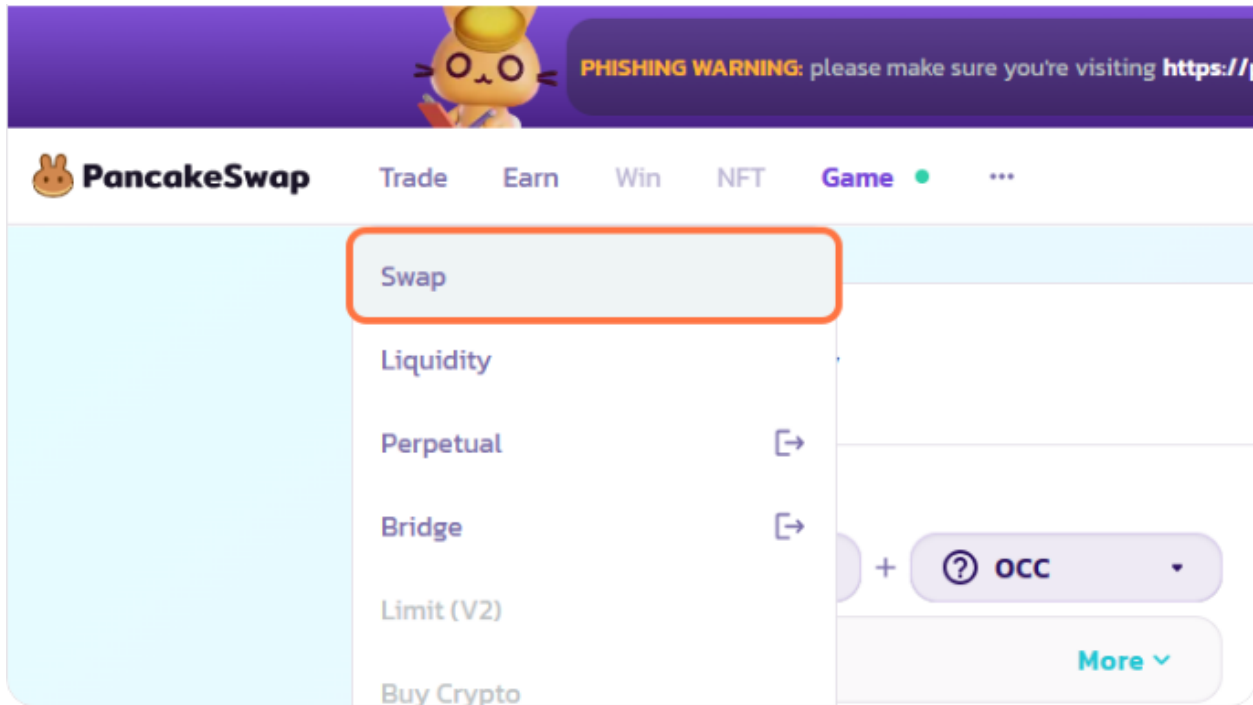


21. Pancake Swap will inform us that the transaction has been submitted. Close this by clicking the “**Close**” button.

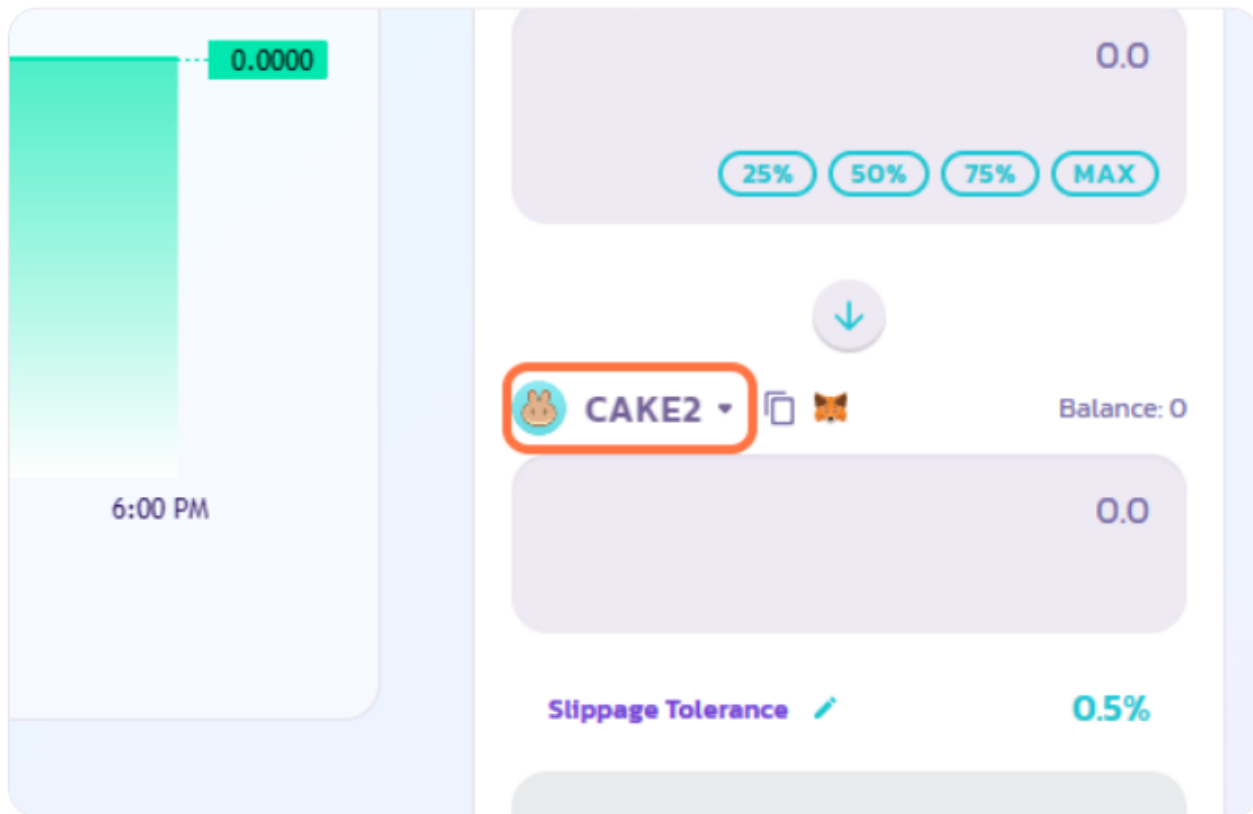


Step 4: Swapping Tokens

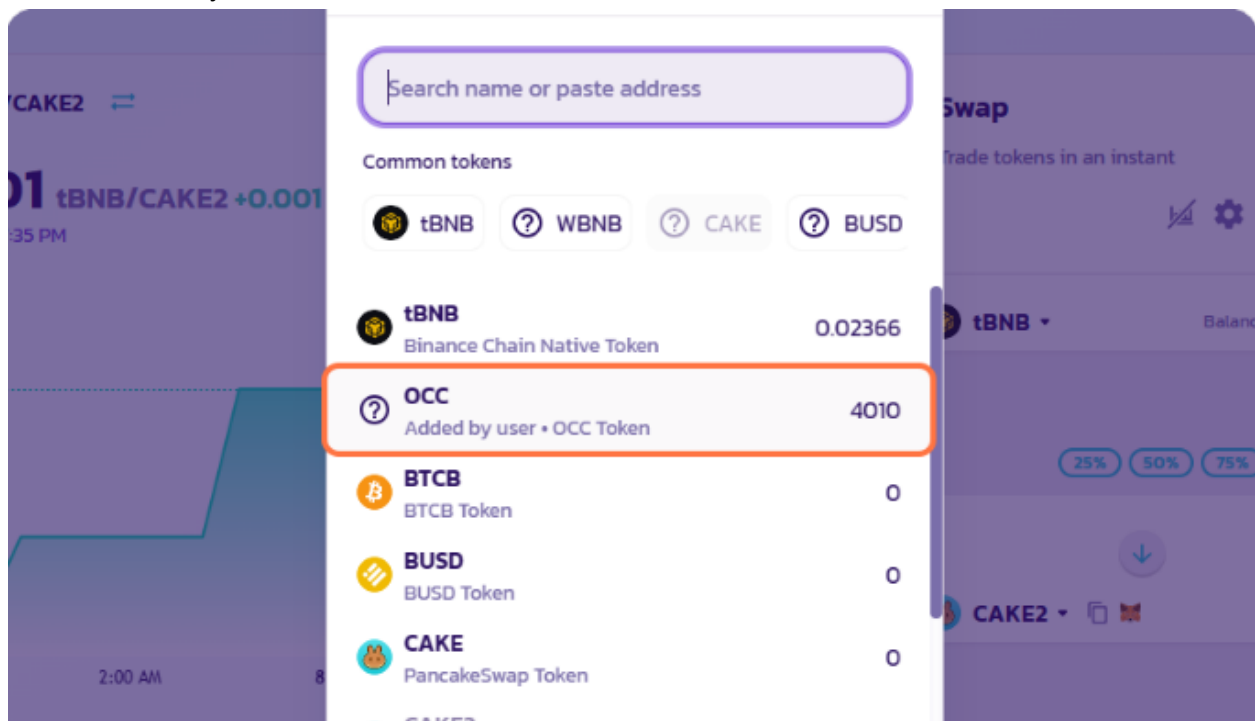
1. In the navigation bar, hover the “Trade” and click on **Swap**.



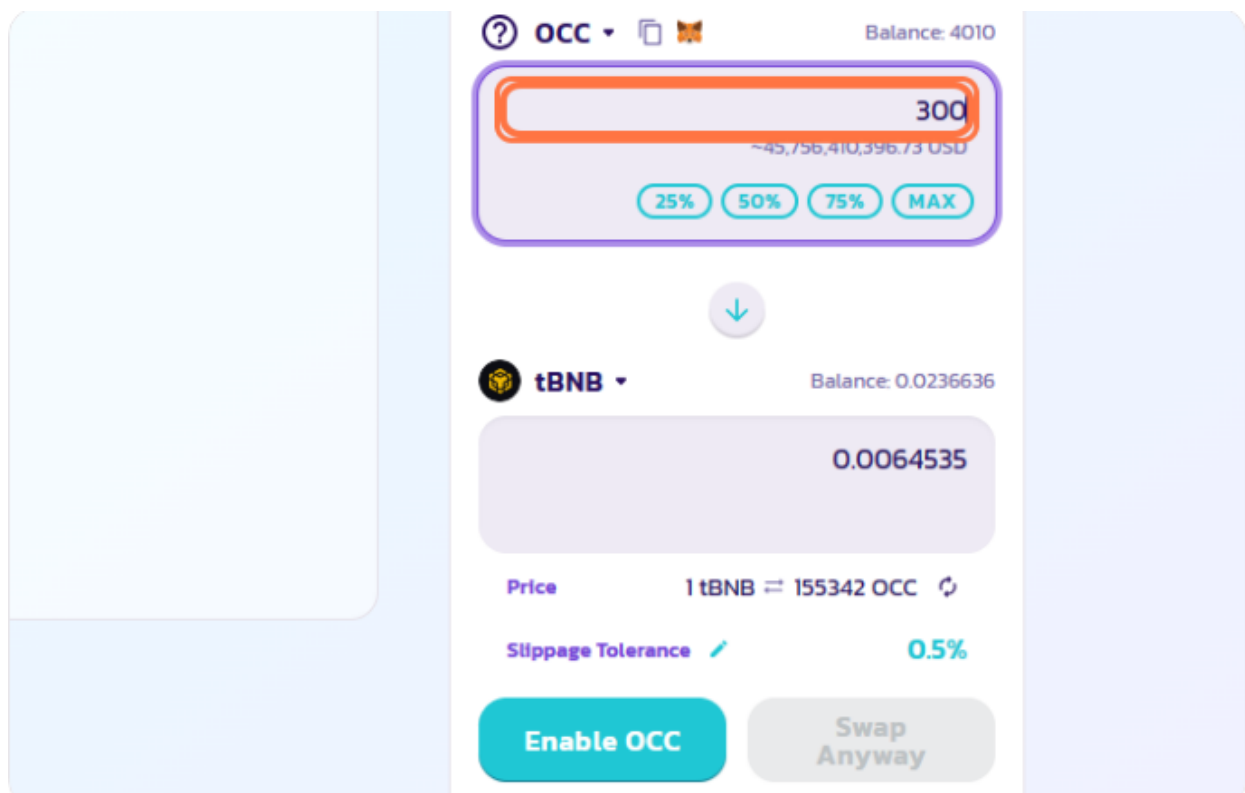
2. Change the token to your imported token. Click any of the token names.



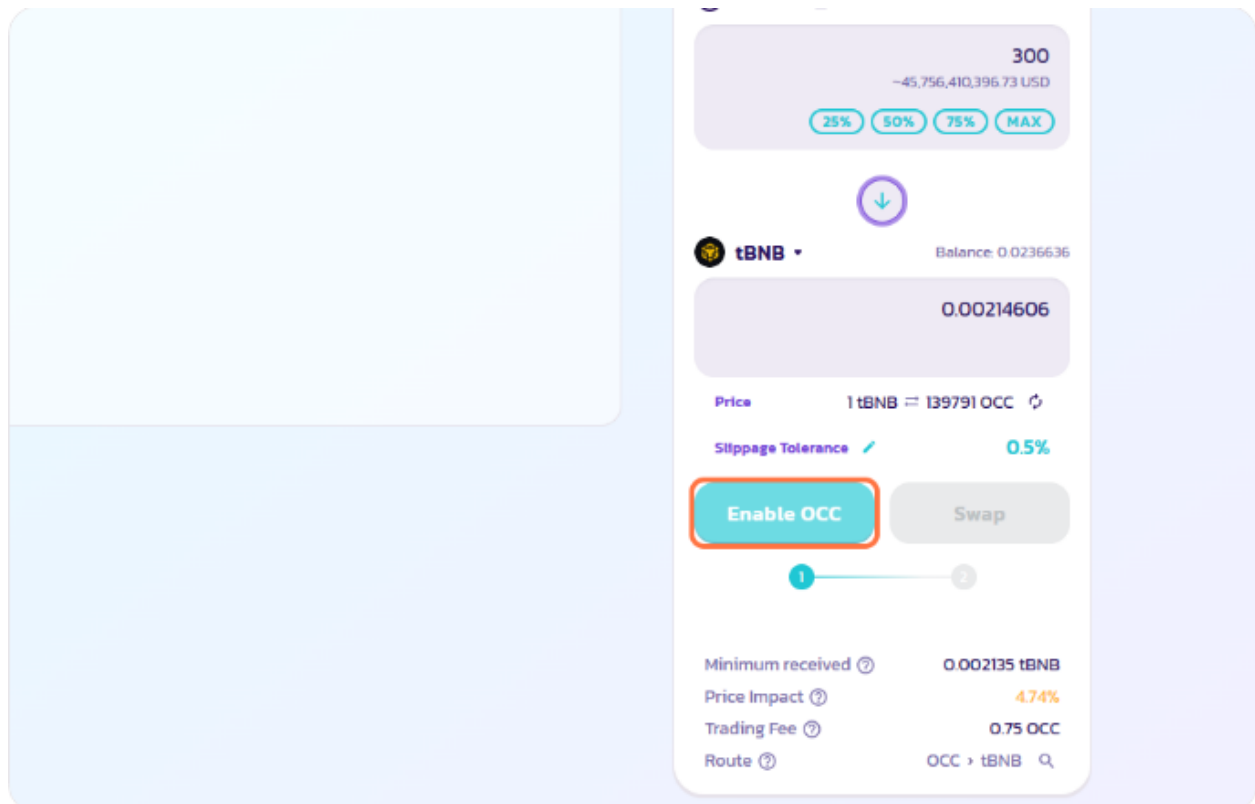
3. Choose your token.



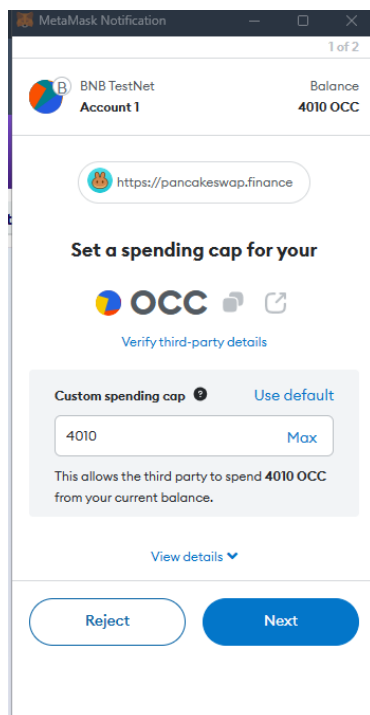
4. Enter any amount or click on any percentage on both fields. Make sure it doesn't exceed the total balance indicated on the top right of each field. Notice below that the **Price** shows the conversion of the value of your token against the value of the other token you chose.



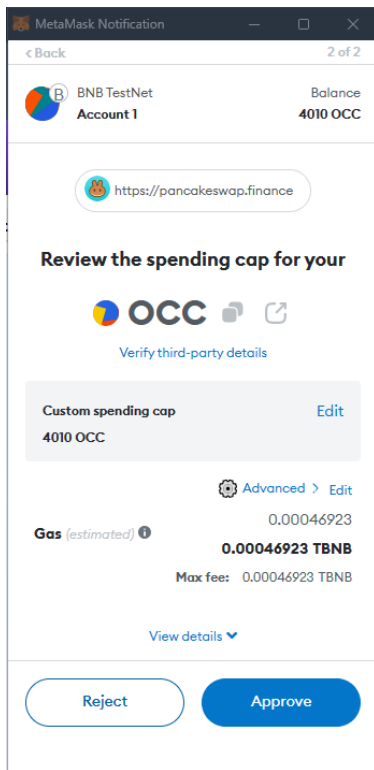
5. Swapping will take 2-steps. First step is to enable OCC. Click on the **“Enable OCC”** button.



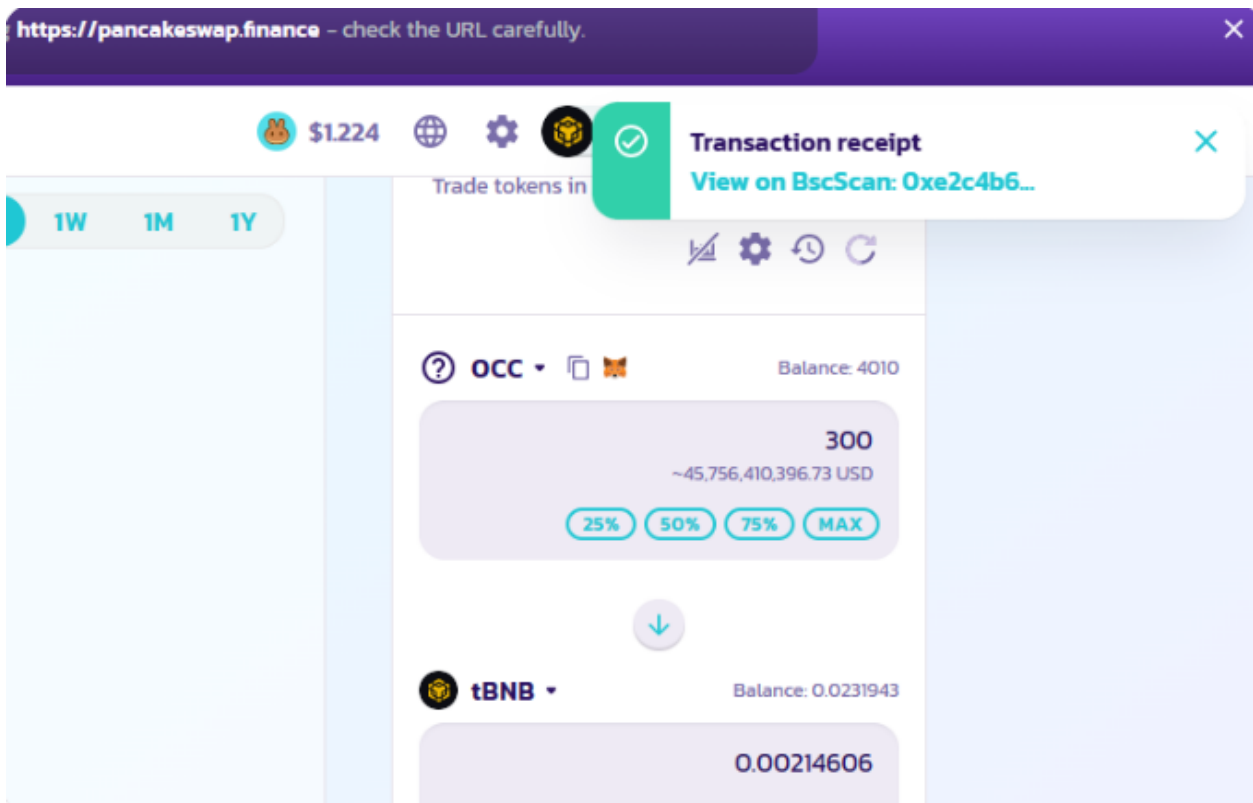
6. A Metamask prompt will ask for the spending cap. Click on **“Max”** and then click on the **“Next”** button.



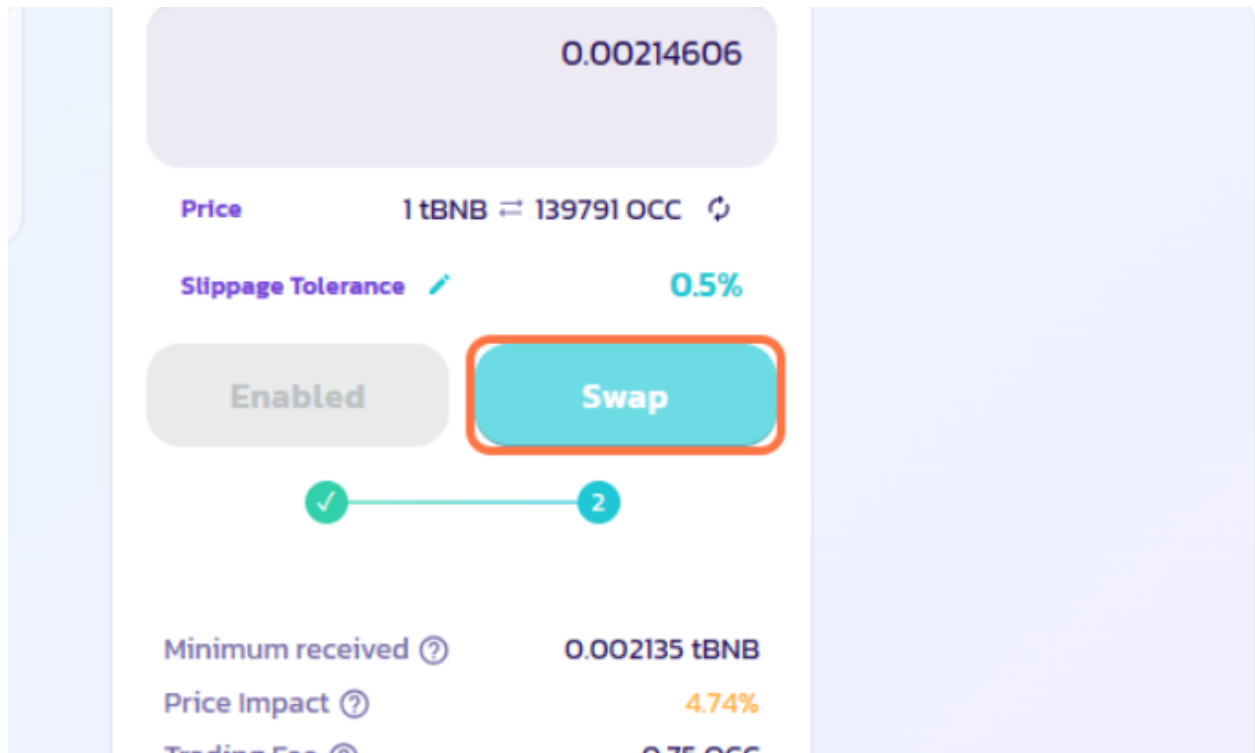
7. Metamask will then ask for approval. Click on the “**Approve**” button.



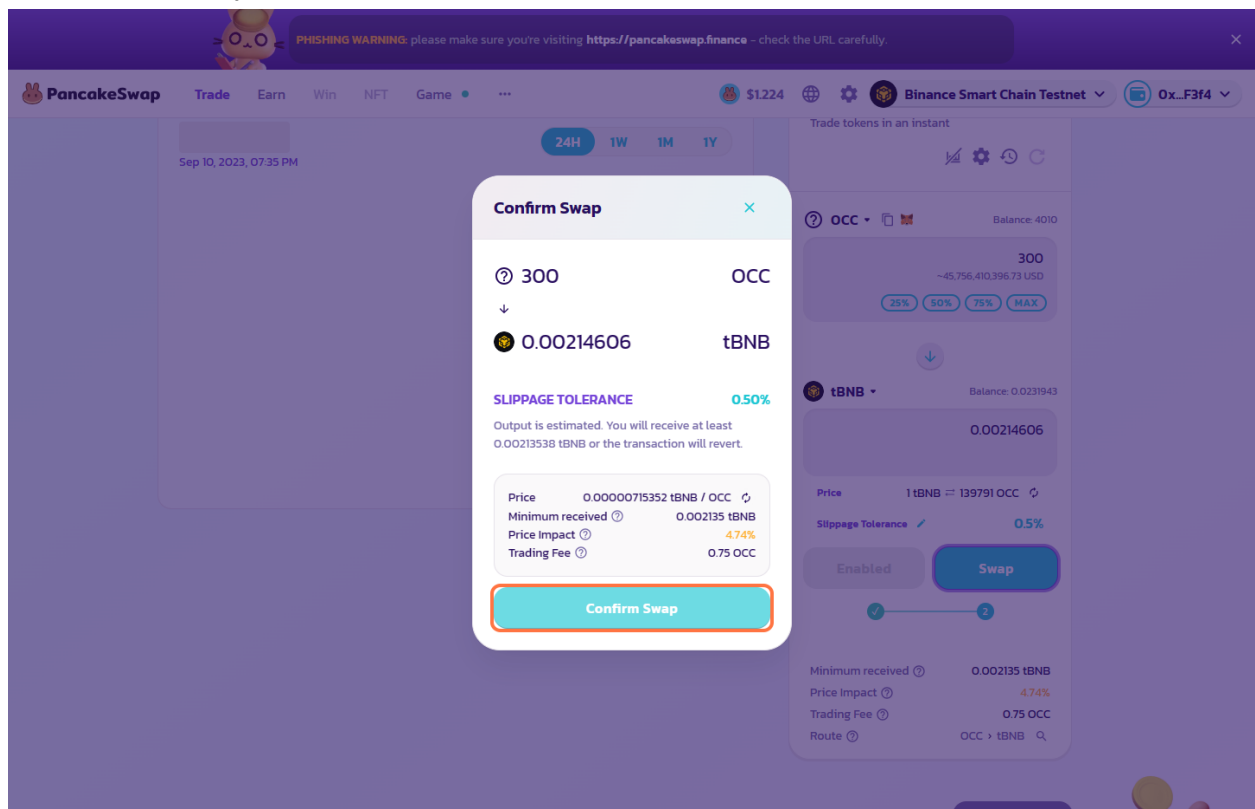
8. A Transaction Receipt should appear.



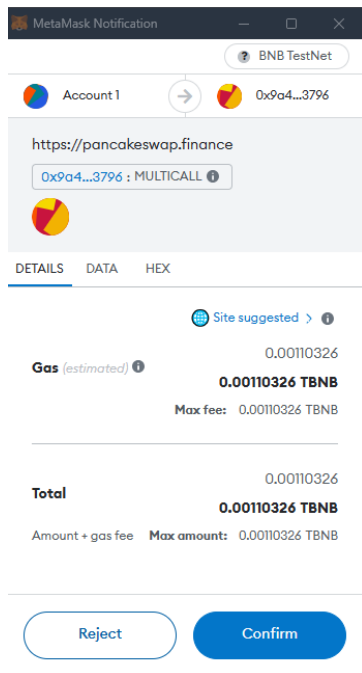
9. Next step, click on the “**Swap**” button.



10. A summary of details will appear. Click the “**Confirm Swap**” button.



11. A Metamask prompt will ask for confirmation. Click the “**Confirm**” button.



12. PancakeSwap will show that the transaction has been submitted. Congrats! You were able to add liquidity to your token and also perform a swap on other tokens.

