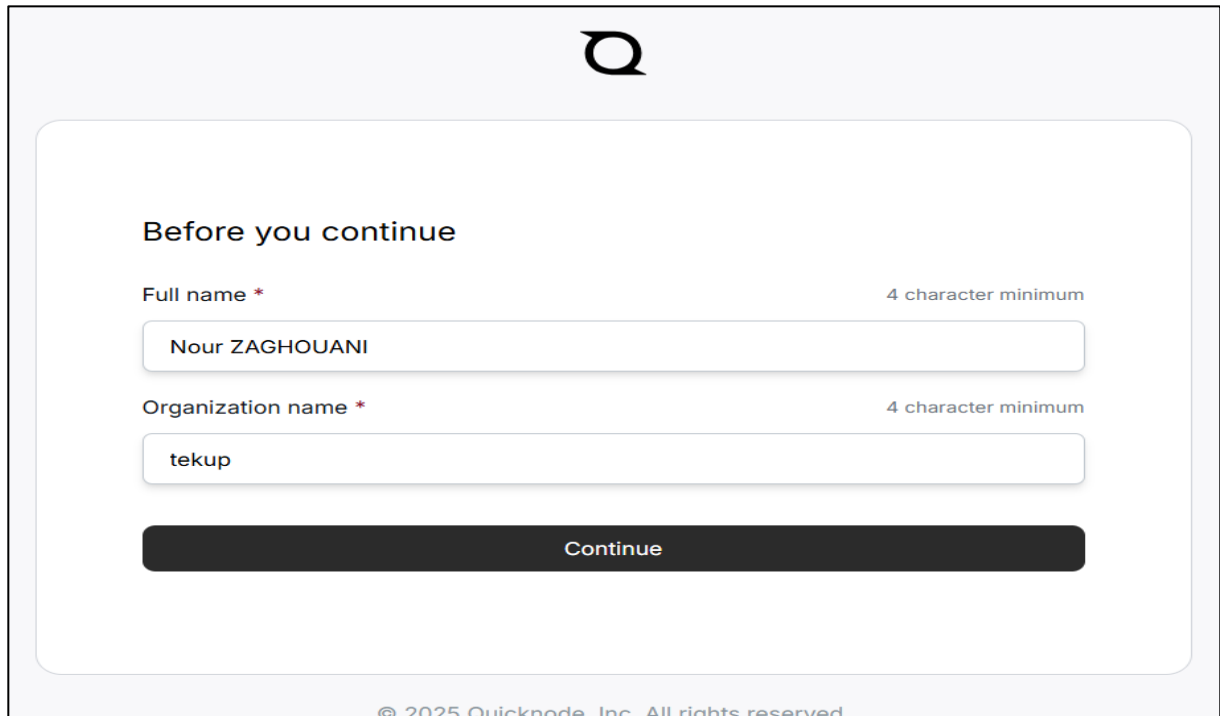


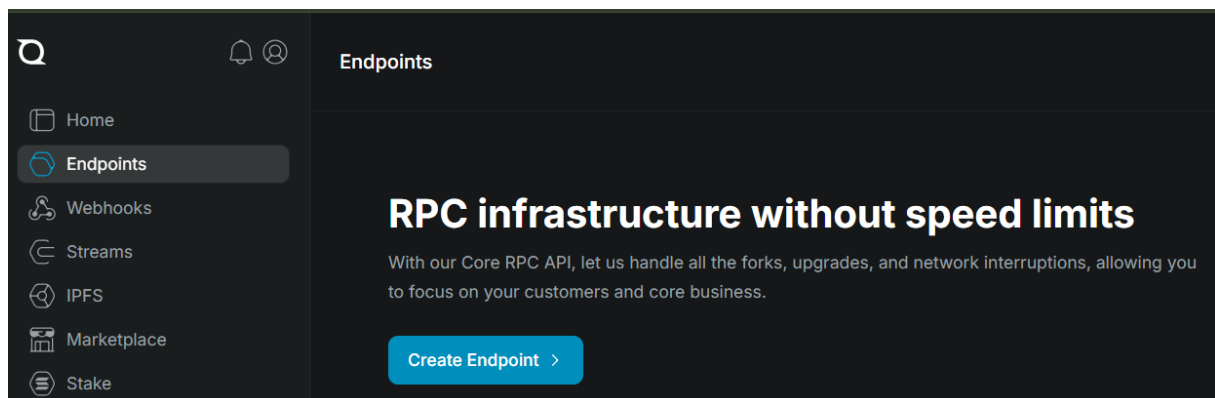
CREATE TOKENS

STEP1: Configuring Blockchain Infrastructure (QuickNode)

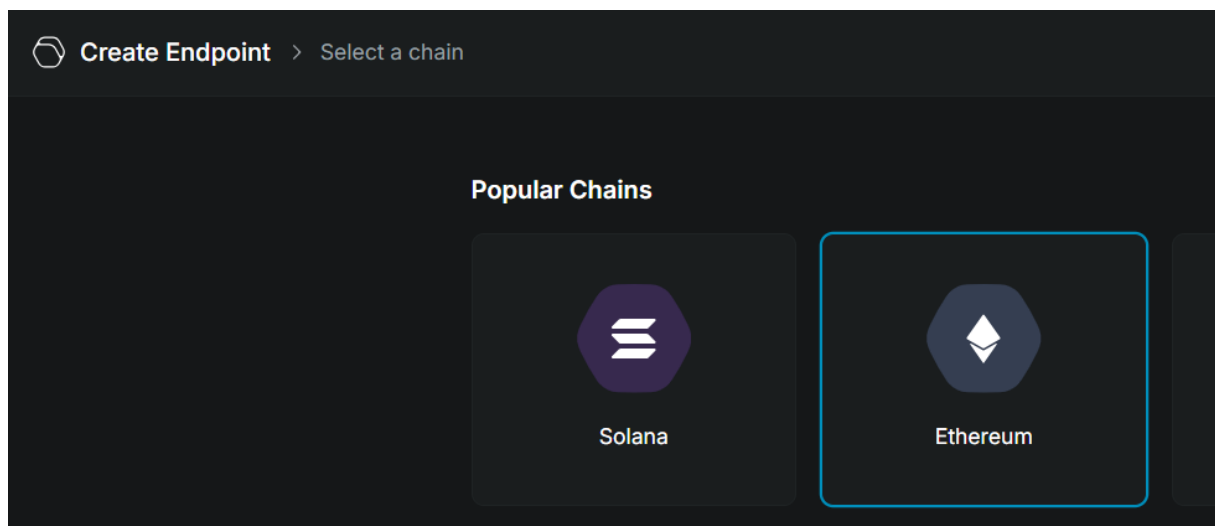
Create account in Quicknode.com:



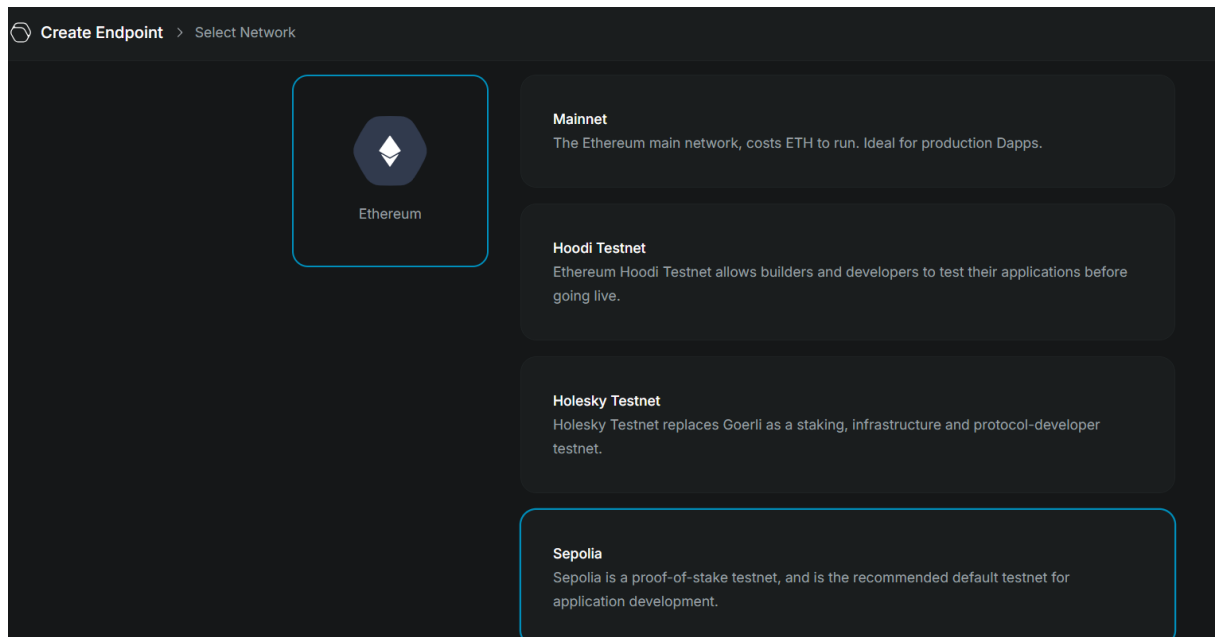
The image shows the QuickNode account creation form. At the top is the QuickNode logo. Below it, the heading "Before you continue" is displayed. There are two input fields: "Full name *" with the value "Nour ZAGHOUBANI" and "Organization name *" with the value "tekup". Both fields have a "4 character minimum" requirement. A "Continue" button is located at the bottom of the form. At the very bottom of the page, the copyright notice "© 2025 Quicknode, Inc. All rights reserved." is visible.



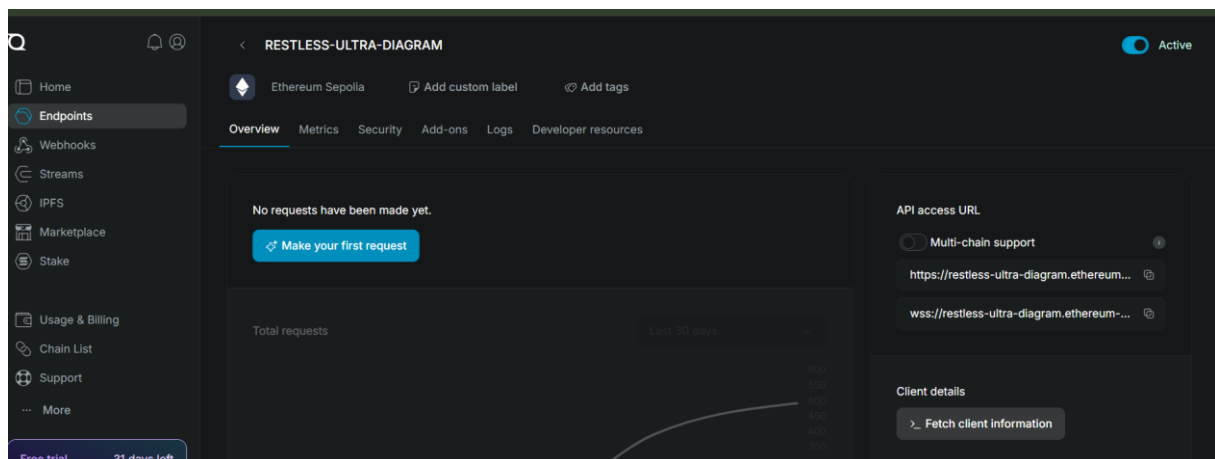
Selection chain



Choose of sepolia as a network

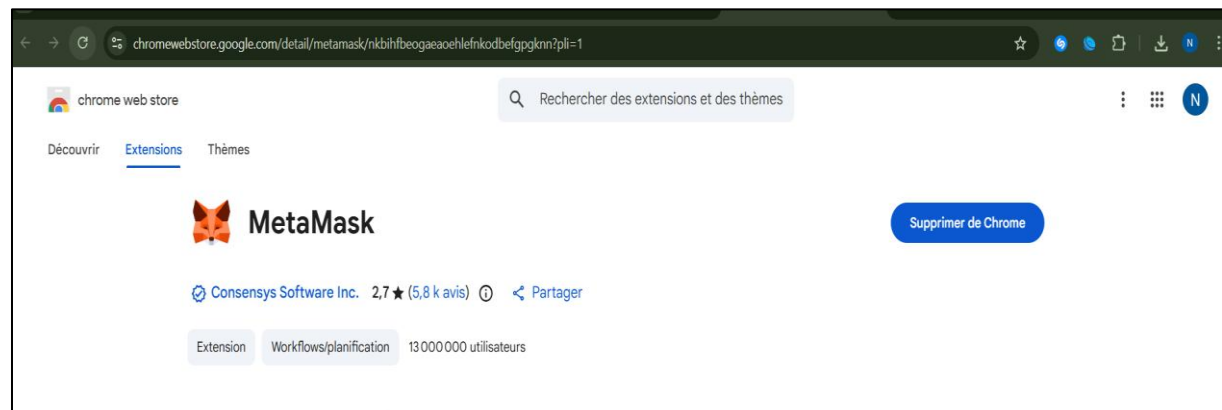


Generate of two URL link that will be useful for accessing to network

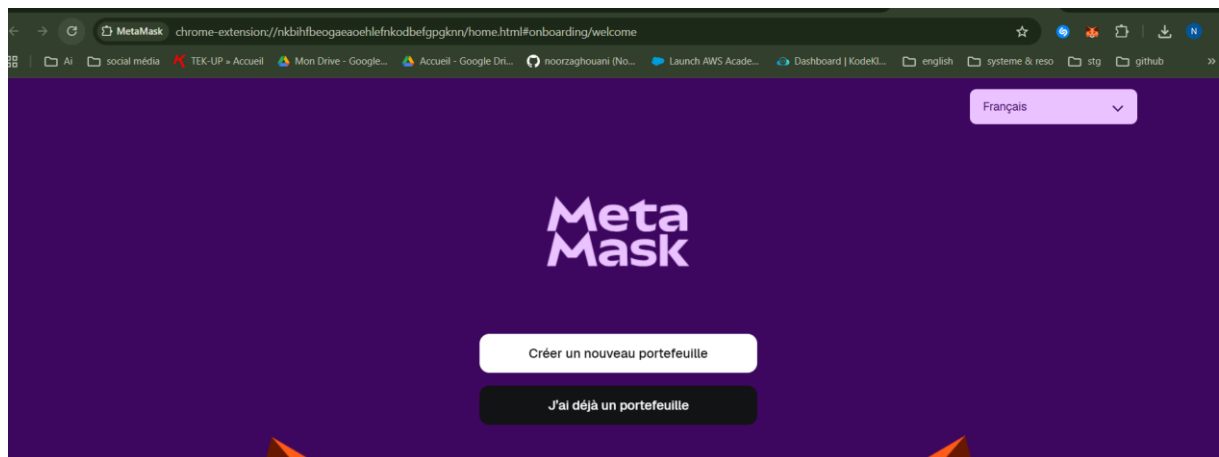


STEP2: Wallet (MetaMask) Configuration

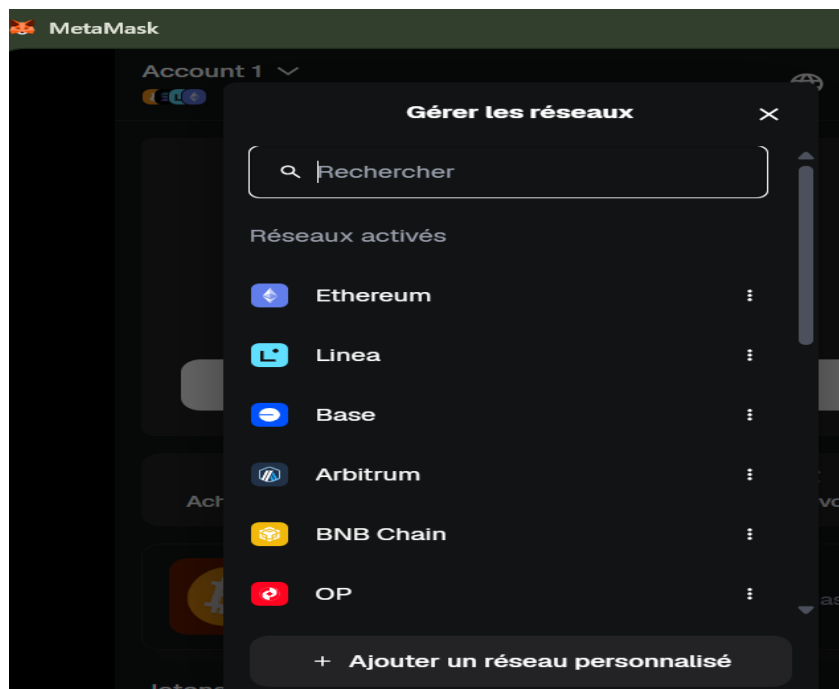
Add extension MetaMask for navigator

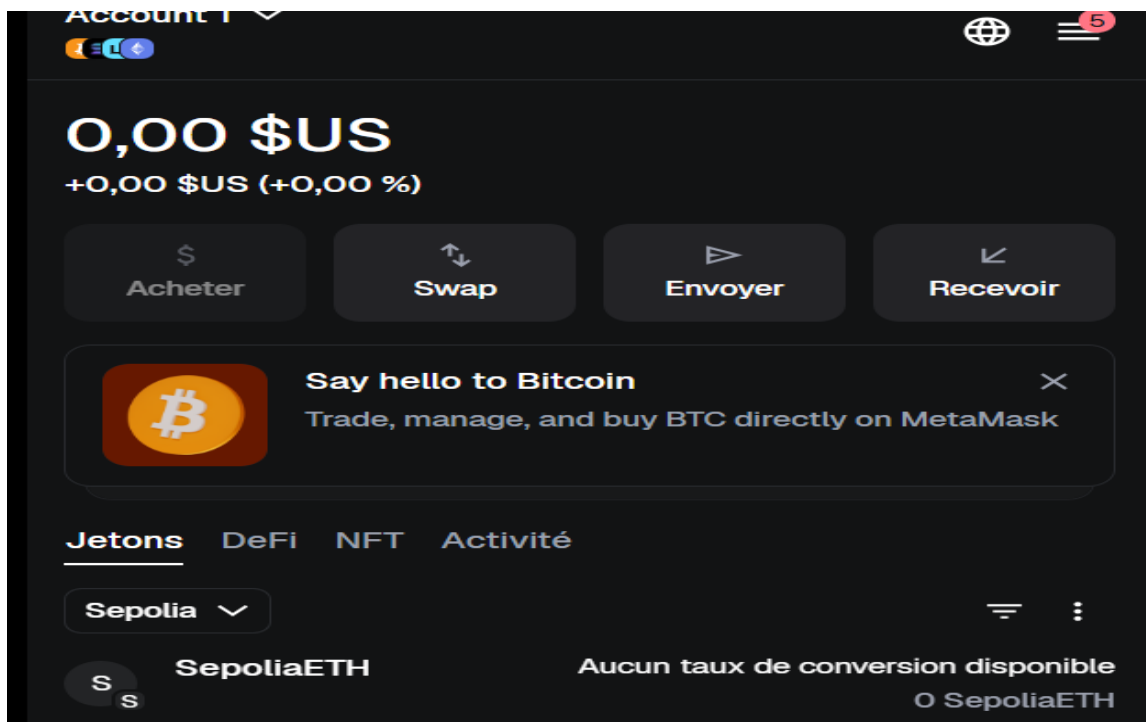
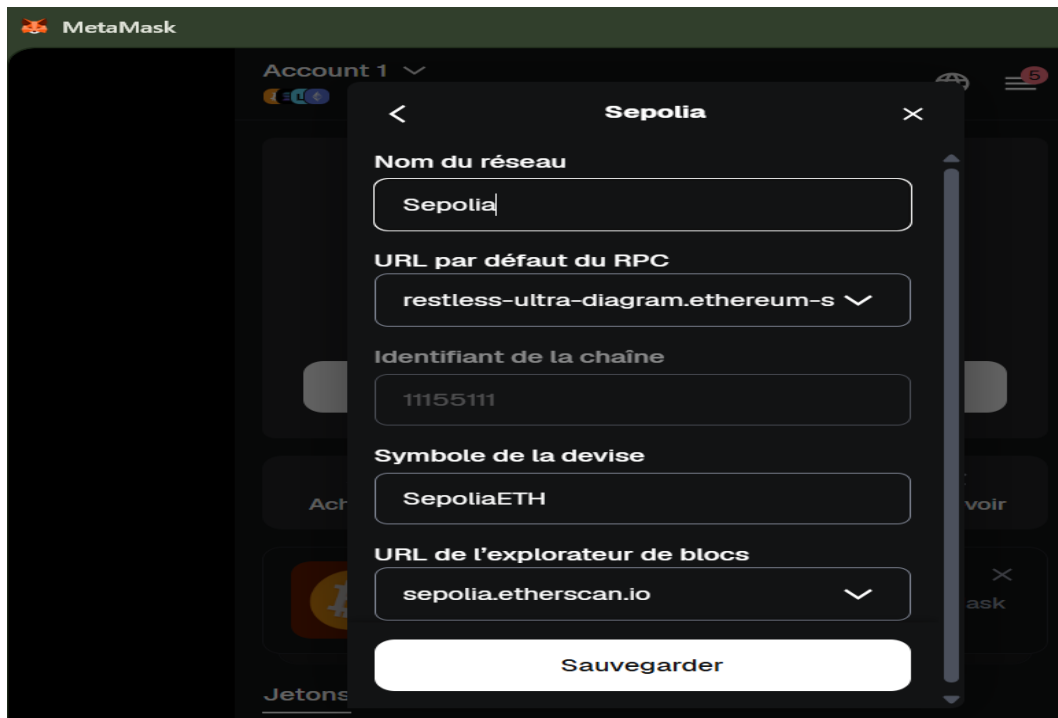


Creation of new wallet



Add a personalized network





Means that we are on the Sepolia test network via Quick Node, at beginning our wallet 0 \$

We copy the address of account Ethereum and we use Sepolia Faucet like

“google faucet “to recharge the wallet

Ethereum Sepolia Faucet

BETA

Get free Sepolia ETH sent directly to your wallet. Brought to you by [Google Cloud for Web3](#).

Select network*

Ethereum Sepolia

*required

Wallet address or ENS name*

OxA4d176418Ef9E458Fab2Bd68192A5C8C237eCa43

Enter the account address or ENS name where you want to receive tokens

Get 0.05 Sepolia ETH

Ethereum Sepolia Faucet

BETA

Get free Sepolia ETH sent directly to your wallet. Brought to you by [Google Cloud for Web3](#).

Get 0.05 Sepolia ETH

×



Transaction complete! Check your wallet address

Network

Ethereum S...

Recipient

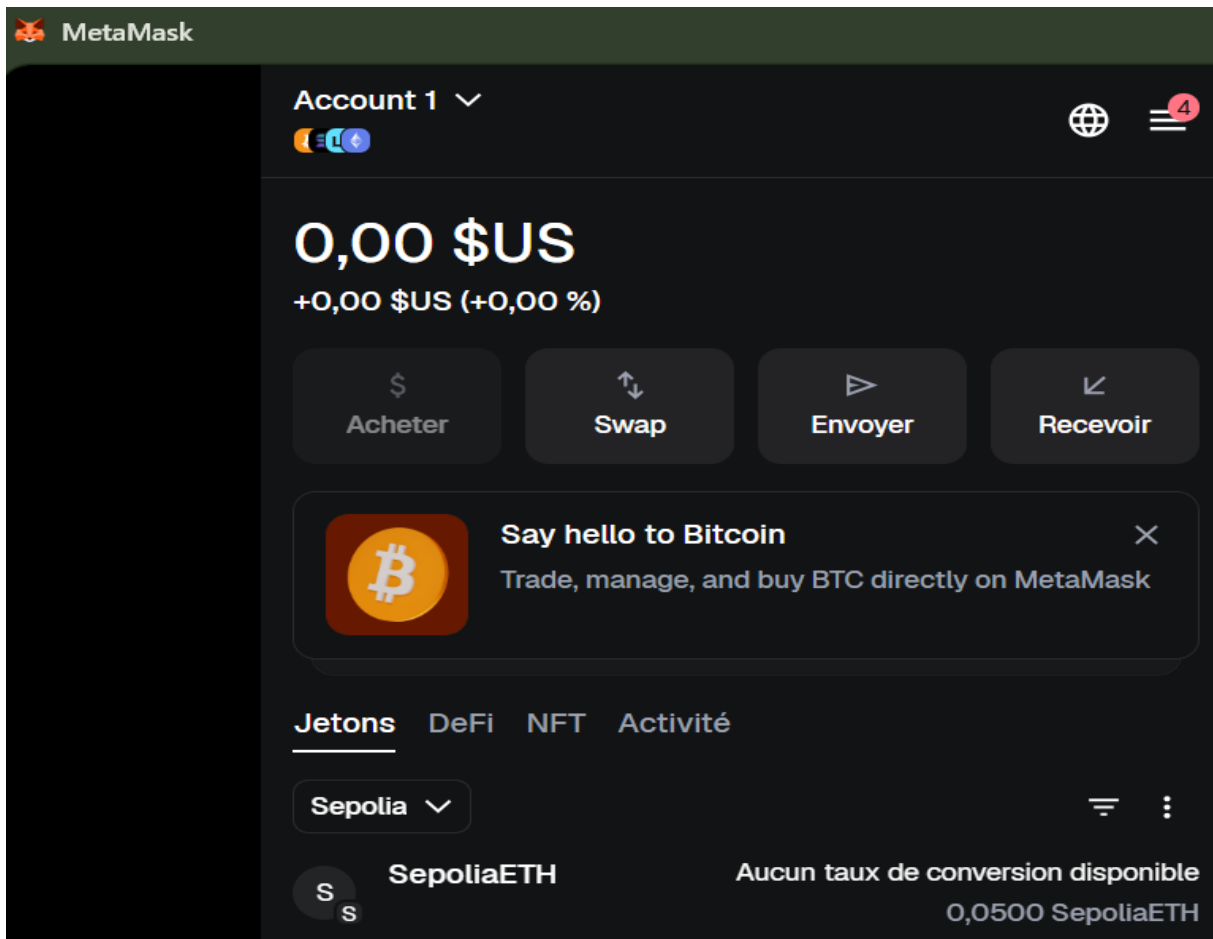
OxA4d17641...



Transaction hash

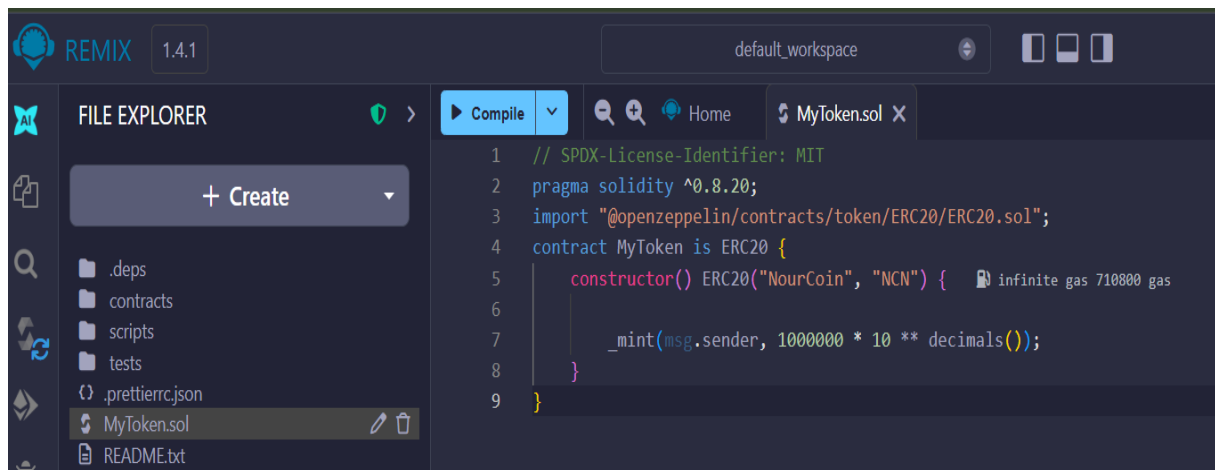
[0x6df03f62...](#)





0.05 ETH faucets have been recharged properly

STEP3: Development of Smart Contract



import "@openzeppelin/contracts/token/ERC20/ERC20.sol";

It's like importing an "engine part" already manufactured and secured by experts. Instead of reinventing the wheel, we use the "ERC20" standard model (the standard for tokens on Ethereum). This guarantees that the token will be compatible with all wallets.

contract MyToken is ERC20

"My contract is called MyToken and it's a copy of the ERC20 standard model."

constructor() ERC20("NourCoin", "NCN")

This is the label for my **NourCoin** currency.

"NCN" (Nour CoiN); This is the stock symbol (like BTC for Bitcoin or EUR for Euro).

_mint(msg.sender, 1000000 * 10 ** decimals());

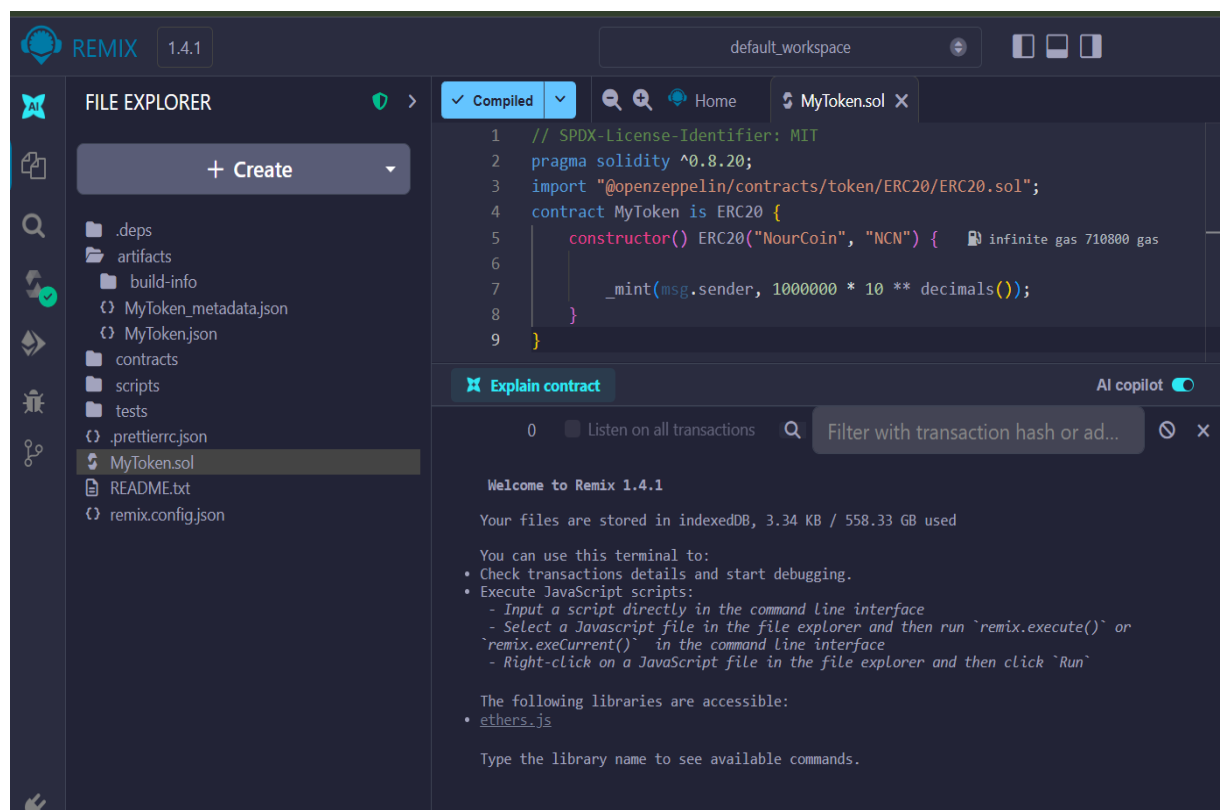
_mint: This means "print coins".

msg.sender: This means "Give them to ME" (the one who executes the contract).

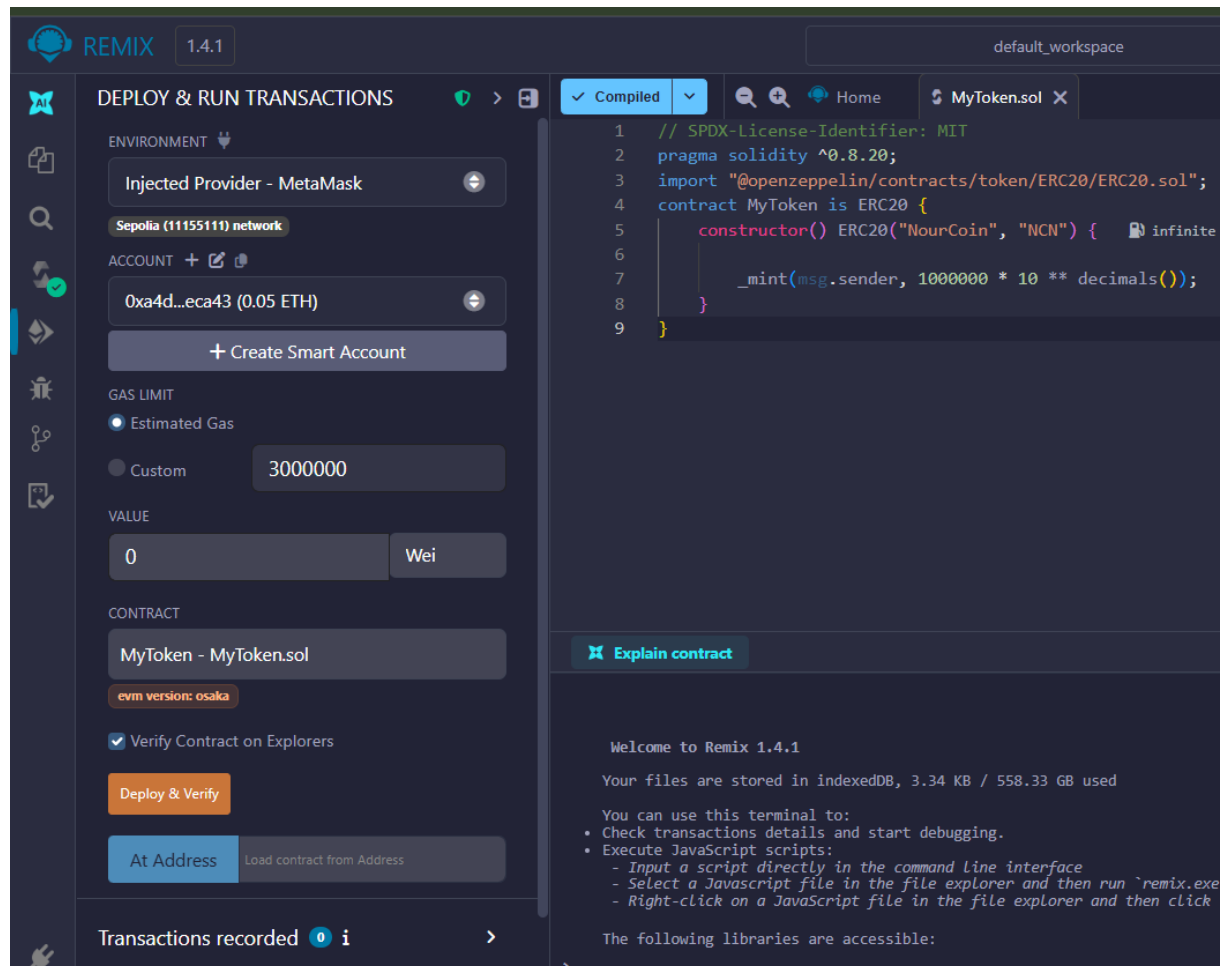
1000000: We print 1 million coins.

STEP4: Deploy token

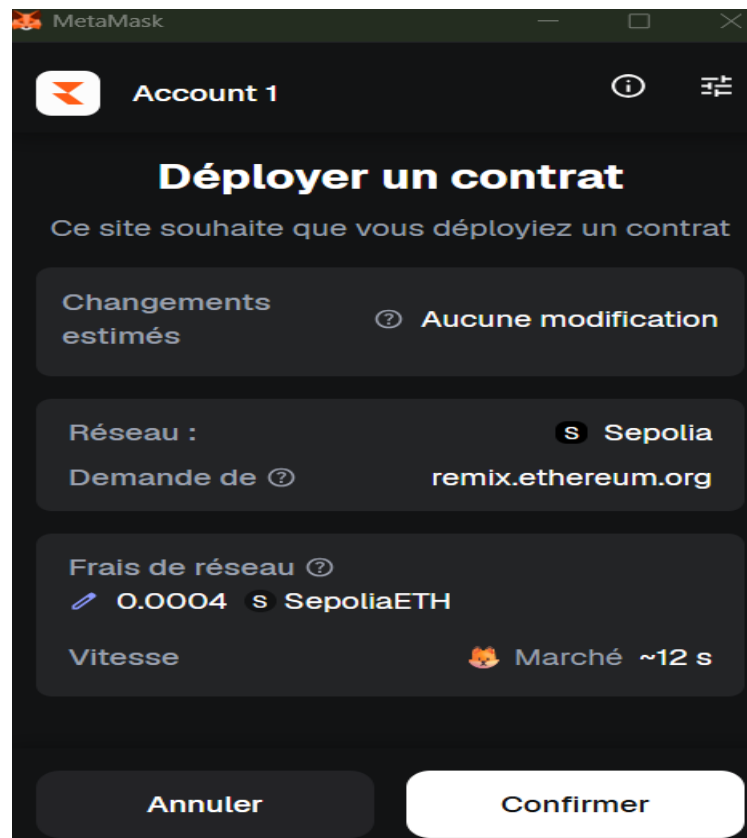
1. Compilation:



2. Deploy:



3. Confirmation



```

[Blockscout] Verification submitted. Awaiting confirmation...
[Sourcify] Verification submitted. Awaiting confirmation...
[Routescan] Verification submitted. Awaiting confirmation...
[Sourcify] Verification Successful! View Code
[Blockscout] Verification Successful! View Code

```

Step 5: Token Verification and Import

1. Verification:

The contract is now "live" on the global network. Anyone with my address can see my contract and even interact with it.

Address of contract: 0x8D890F3bb23C85706E3Afa87153a1bBe6Bfc1214

EtherScan : [TESTNET Sepolia \(ETH\) Blockchain Explorer](#)

The screenshot shows the Etherscan Sepolia Testnet interface. At the top, there's a search bar and navigation links for Home and Blockchain. The main header displays the contract address: 0x8D890F3bb23C85706E3Afa87153a1bBe6Bfc1214. Below this, there's a 'Source Code' tab. The 'Overview' section shows an 'ETH BALANCE' of 0 ETH. The 'More Info' section includes 'CONTRACT CREATOR' (0xA4d17641...C237eCa43, 15 mins ago) and a 'TOKEN TRACKER' for NourCoin (NCN). The 'Multichain Info' section is currently empty (N/A). At the bottom, there are tabs for Transactions, Token Transfers (ERC-20), Contract (which is active), and Events. Below the tabs is a table header with columns: Transaction Hash, Method, Block, Age, From, To, and Amount.

2. Import: we simply enter the address of contract end then import

